2017-2018 CATALOG













- THREADED FASTENERS & HARDWARE
- FITTINGS/HYDRAULICS & HOSE
- CHEMICALS/PAINTS & ACCESSORIES
- ABRASIVES/DRILL BITS & SHOP SUPPLIES
- HAND TOOLS & SHOP SUPPLIES
- ELECTRICAL HARDWARE & PRODUCTS
- FLEET MAINTENANCE











Here is a short list of the many industries we supply:

FLEET and TRANSPORTATION

Buses
Construction Materials
Local Trucks
Departments of Transportation
Law Enforcement
Over-the-Road Trucks
Quarries & Mines
Utilities
Airports

BUILDING MAINTENANCE

Commercial Buildings
Hospitals
Hotels/Motels
Government
Schools
Institutions

MANUFACTURING PLANTS

Food & Beverage
Lumber & Wood
Poultry
Paper
Petroleum Refining
Printing & Publishing
Rubber & Plastic
Stone & Concrete
Fabrication

GENERAL EQUIPMENT

Contractors
Equipment Rental
Marine
Construction
Quarries & Mines
Welding Shops

AGRICULTURAL

Farms
Cemeteries
Golf Courses

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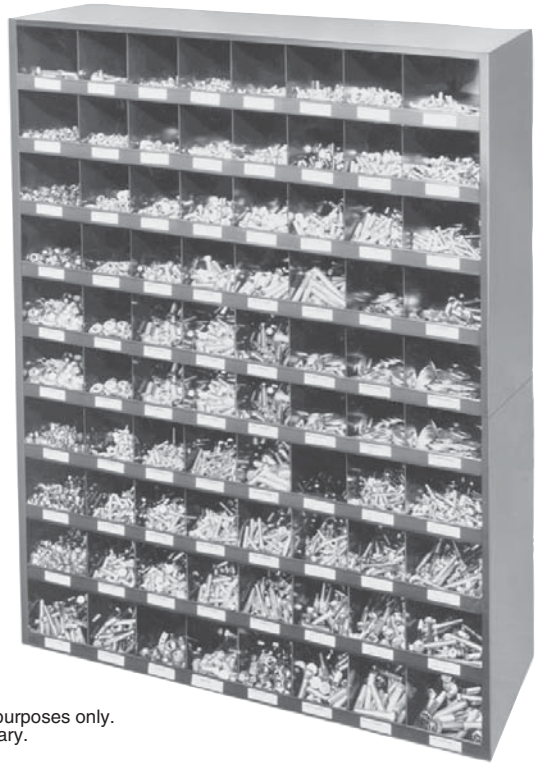
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***Half quantities available, use "M" instead of "L"**

TOP SELLING ASSORTMENTS

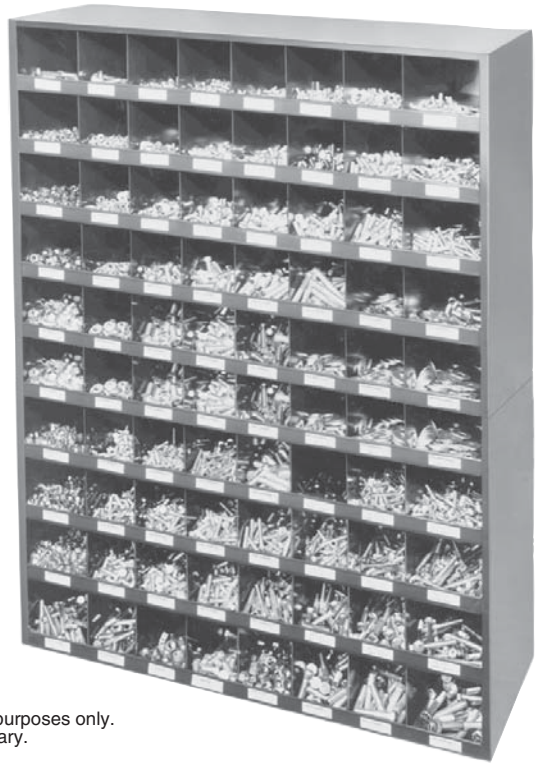
- **Grade 5 USS Popular Fasteners**
- **Sizes from 1/4" through 3/4" diameters 1/2" to 4" in length**



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Actual Contents may vary.

Part No. 501098 **1296 PIECES • 77 ITEMS • 80 BIN** CATALOG SECTION **A10**

- **Grade 8 USS Popular Fasteners**
- **Sizes from 1/4" through 3/4" diameters 1/2" to 4" in length**

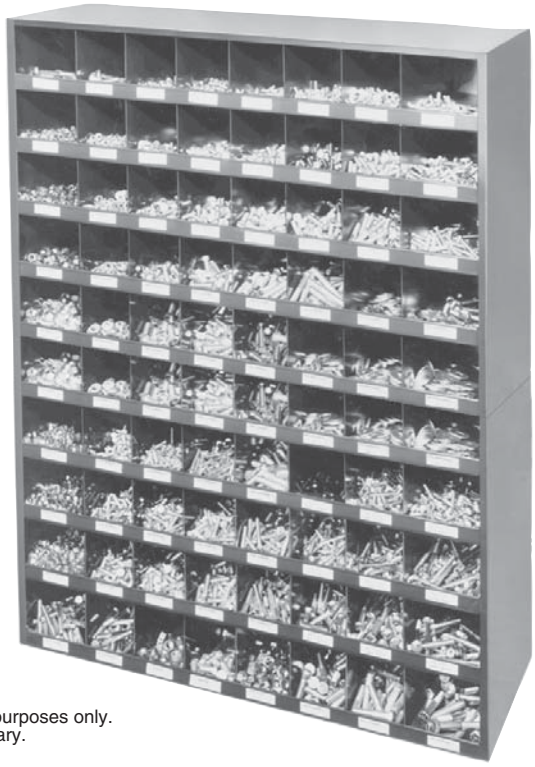


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Actual Contents may vary.

Part No. 501099 **1296 PIECES • 77 ITEMS • 80 BIN** CATALOG SECTION **A10**

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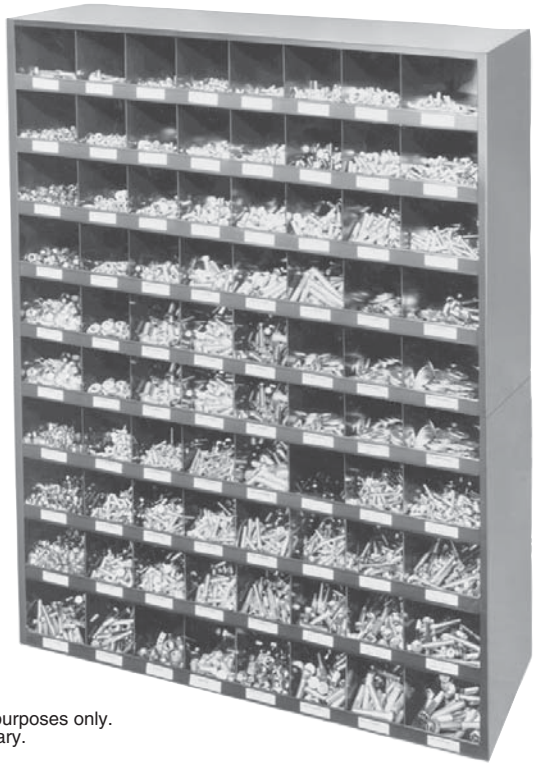
- **Grade 8 USS & Fine Popular Fasteners**
- **Sizes from 1/4" through 1/2" diameters 1/2" to 3" in length**



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Actual Contents may vary.

Part No. 501087 **1475 PIECES • 72 ITEMS • 80 BIN** CATALOG SECTION **A10**

- **Grade 8 USS & SAE Popular Fasteners**
- **Sizes from 1/4" through 3/4" diameters 1/2" to 6" in length**

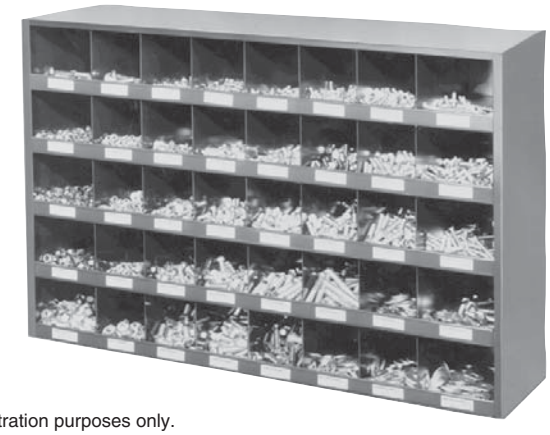


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Part No. 501460 **1176 PIECES • 72 ITEMS • 80 BIN** CATALOG SECTION **A10**

TOP SELLING ASSORTMENTS

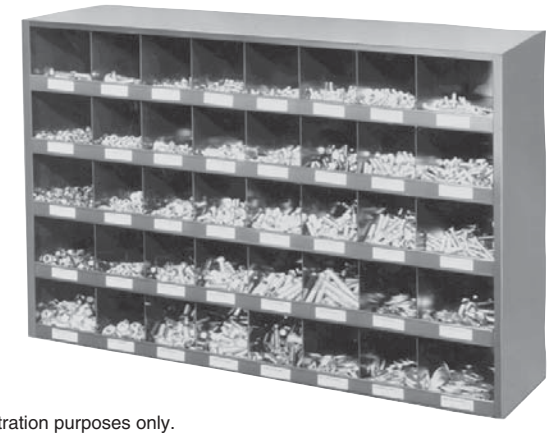
- **Grade 8 USS Popular Fasteners**
- **Sizes from 1/4" through 1/2" diameters 1/2" to 3" in length**



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Actual Contents may vary.

Part No. 501091 **799 PIECES • 40 ITEMS • 40 BIN** CATALOG SECTION **A10**

- **Grade 8 SAE Popular Fasteners**
- **Sizes from 1/4" through 1/2" diameters 1/2" to 3" in length**

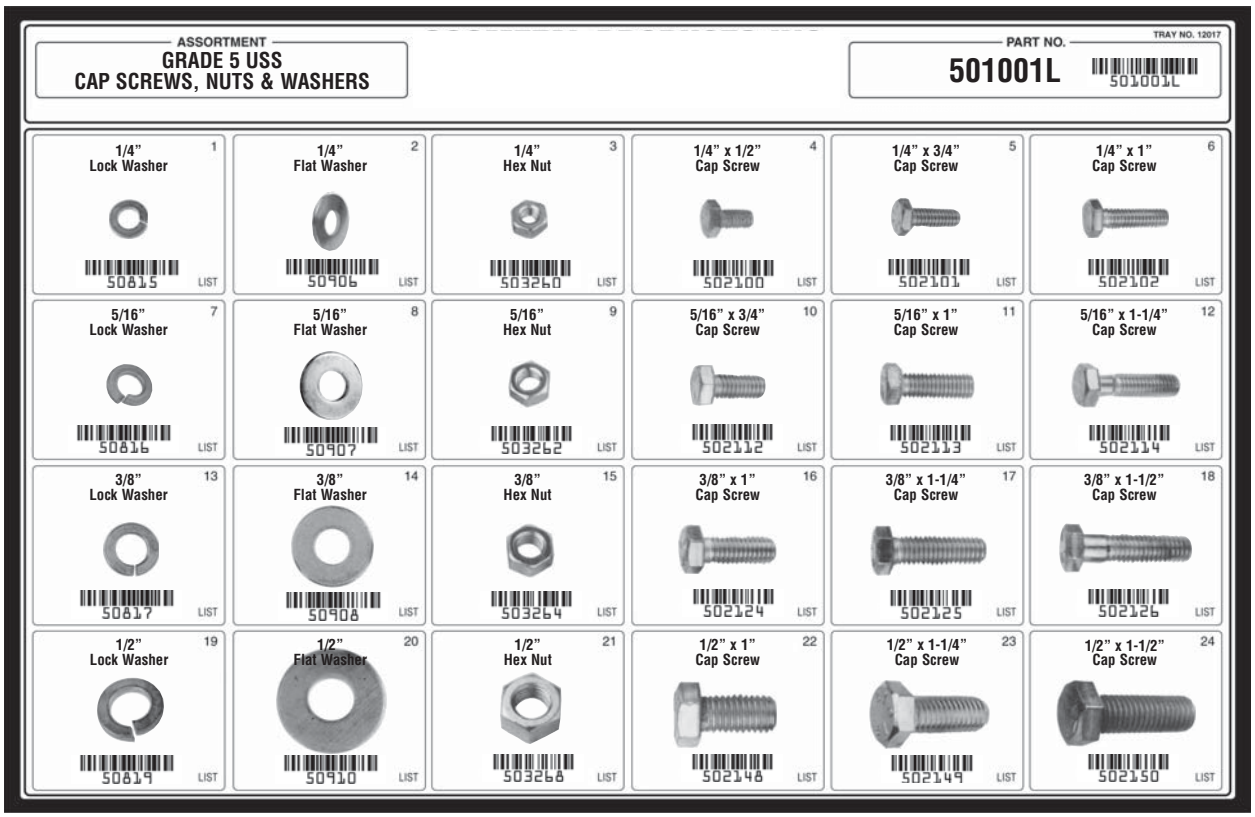


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Actual Contents may vary.

Part No. 501097 **799 PIECES • 40 ITEMS • 40 BIN** CATALOG SECTION **A10**

TOP SELLING ASSORTMENTS

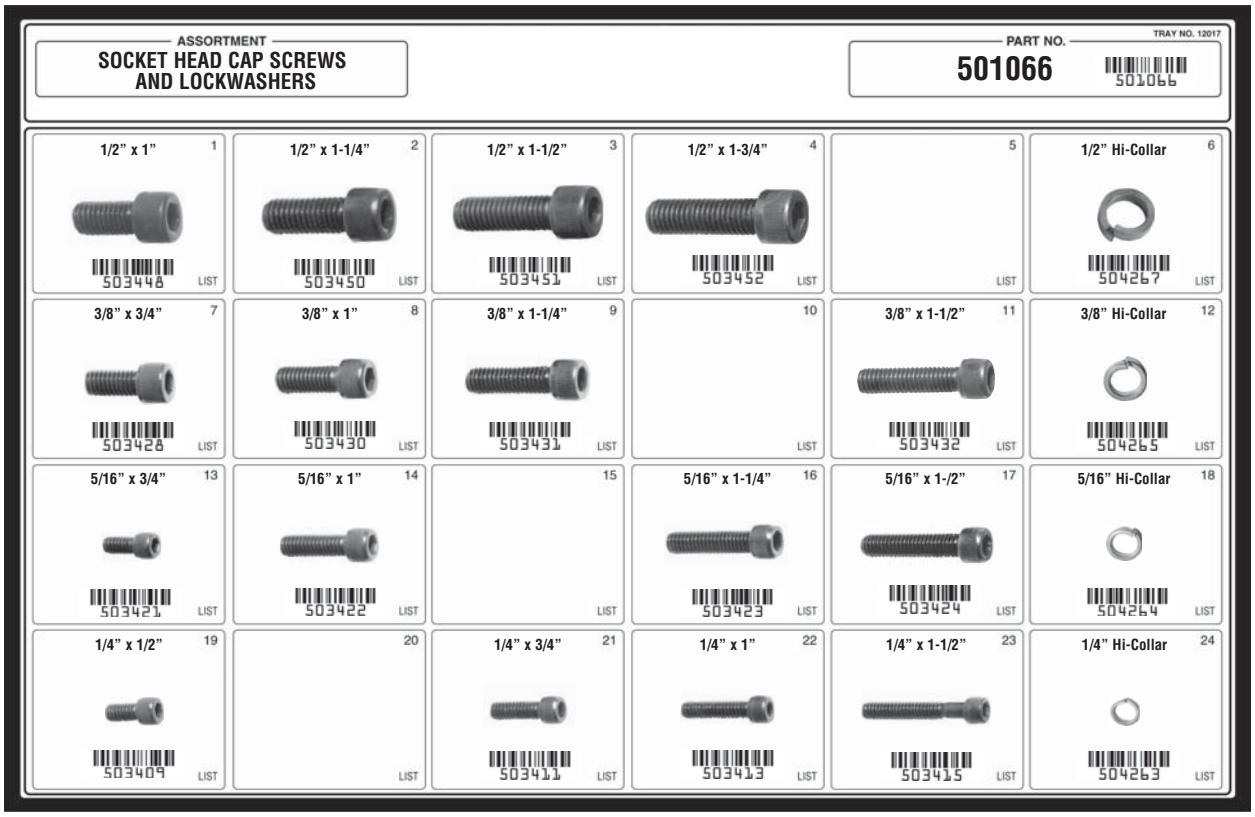
*Half quantities available, use "M" instead of "L"



Part No. 501001L*

1042 PIECES • 24 ITEMS • 12017 TRAY

CATALOG SECTION A10



Part No. 501066

344 PIECES • 20 ITEMS • 12017 TRAY

CATALOG SECTION A10

*Half quantities available, use "M" instead of "L"

TOP SELLING ASSORTMENTS

ASSORTMENT
FLAT HEAD SOCKET CAP SCREWS

PART NO. **501316** TRAY NO. 12050

1 1/4-20 x 1/2 — 503525 LIST	2 5/16-18 x 3/4 — 503532 LIST	3 3/8-16 x 1 — 503537 LIST	4 3/8-16 x 2-1/2 — 503541 LIST
5 1/4-20 x 3/4 — 503526 LIST	6 5/16-18 x 1 — 503533 LIST	7 3/8-16 x 1-1/4 — 503538 LIST	8 1/2-13 x 1 — 503542 LIST
9 1/4-20 x 1 — 503527 LIST	10 5/16-18 x 1-1/4 — 503534 LIST	11 3/8-16 x 1-1/2 — 503539 LIST	12 1/2-13 x 1-1/2 — 503544 LIST
13 5/16-18 x 1/2 — 503531 LIST	14 3/8-16 x 3/4 — 503574 LIST	15 3/8-16 x 2 — 503540 LIST	16 1/2-13 x 2 — 503545 LIST

Part No. 501316 **285 PIECES • 16 ITEMS • 12050 TRAY** CATALOG SECTION A10

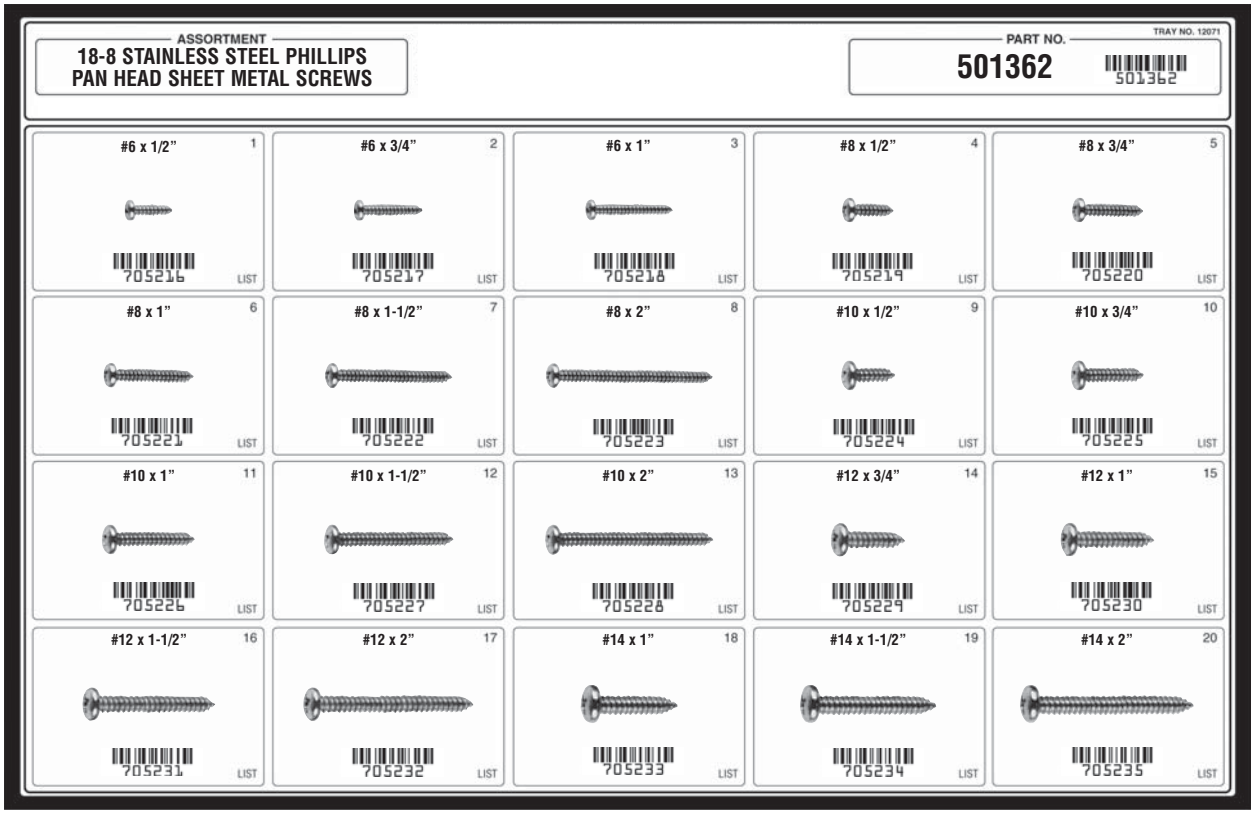
ASSORTMENT
GRADE 8 PREVAILING TORQUE LOCK NUTS

PART NO. **501095L** TRAY NO. 12050

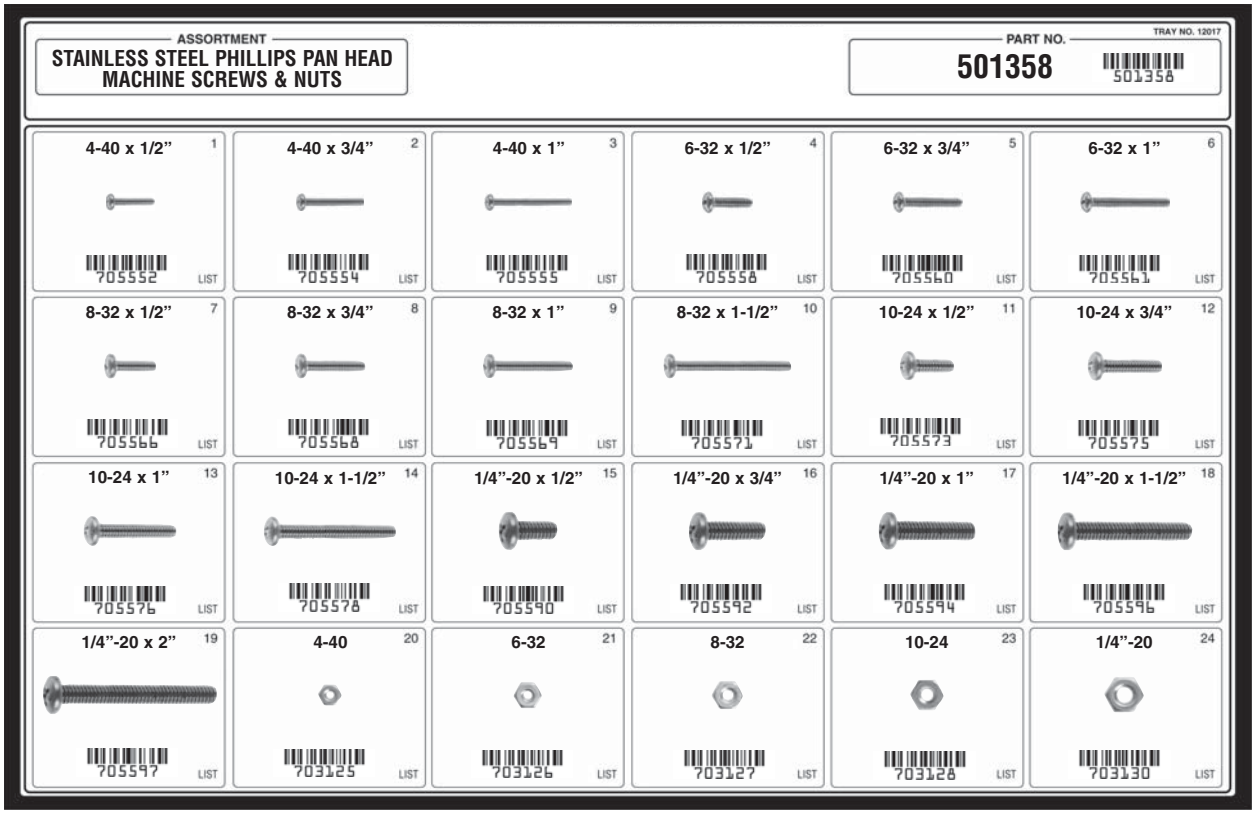
1 1/4" - 20 USS — 404101 LIST	2 5/16" - 18 USS — 404102 LIST	3 3/8" - 16 USS — 404103 LIST	4 7/16" - 14 USS — 404104 LIST
5 1/2" - 13 USS — 404105 LIST	6 9/16" - 12 USS — 404106 LIST	7 5/8" - 11 USS — 404107 LIST	8 3/4"- 10 USS — 404108 LIST
9 1/4" - 28 SAE — 404115 LIST	10 5/16" - 24 SAE — 405116 LIST	11 3/8 - 24 SAE — 404117 LIST	12 7/16" - 20 SAE — 404118 LIST
13 1/2" - 20 SAE — 404119 LIST	14 9/16" - 18 SAE — 404120 LIST	15 5/8" - 18 SAE — 404121 LIST	16 3/4"- 16 SAE — 404122 LIST

Part No. 501095L* **280 PIECES • 16 ITEMS • 12050 TRAY** CATALOG SECTION A11

TOP SELLING ASSORTMENTS

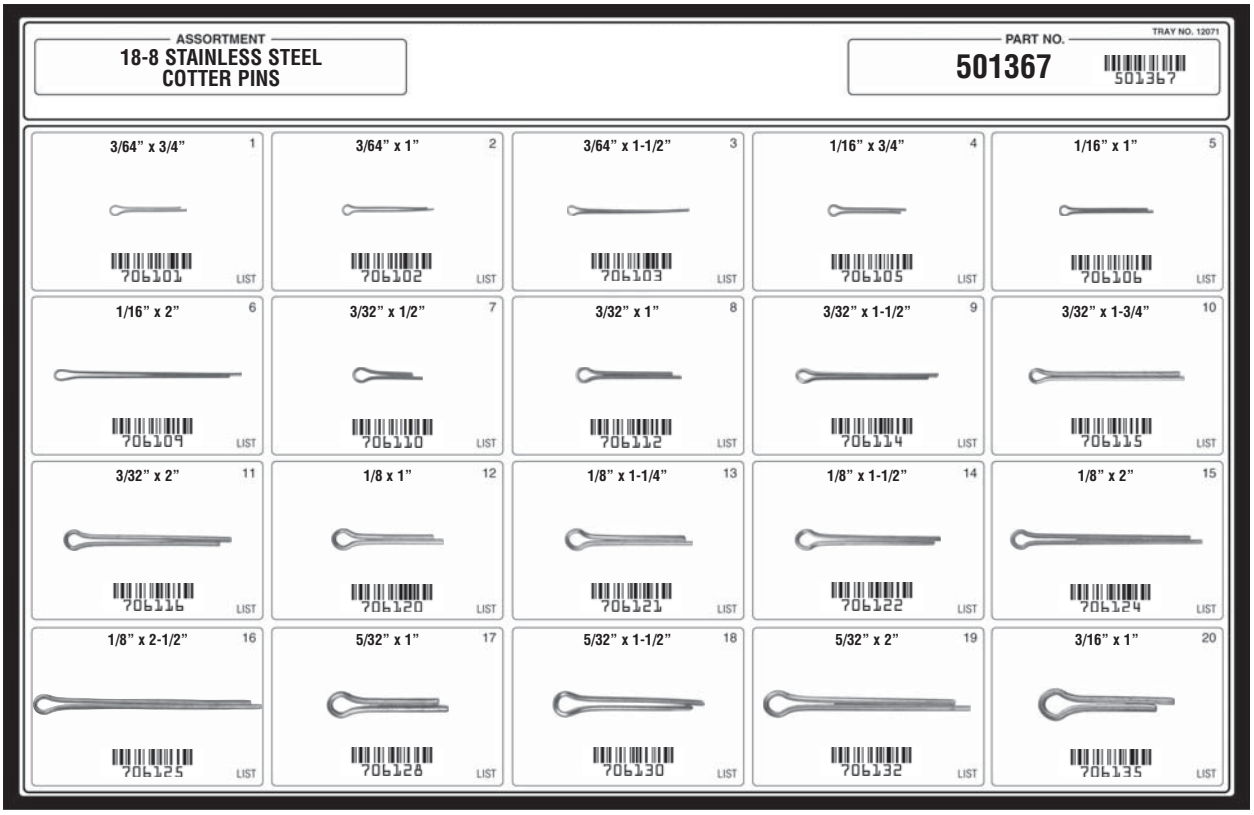


Part No. 501362 **1115 PIECES • 20 ITEMS • 12071 TRAY** CATALOG SECTION A13

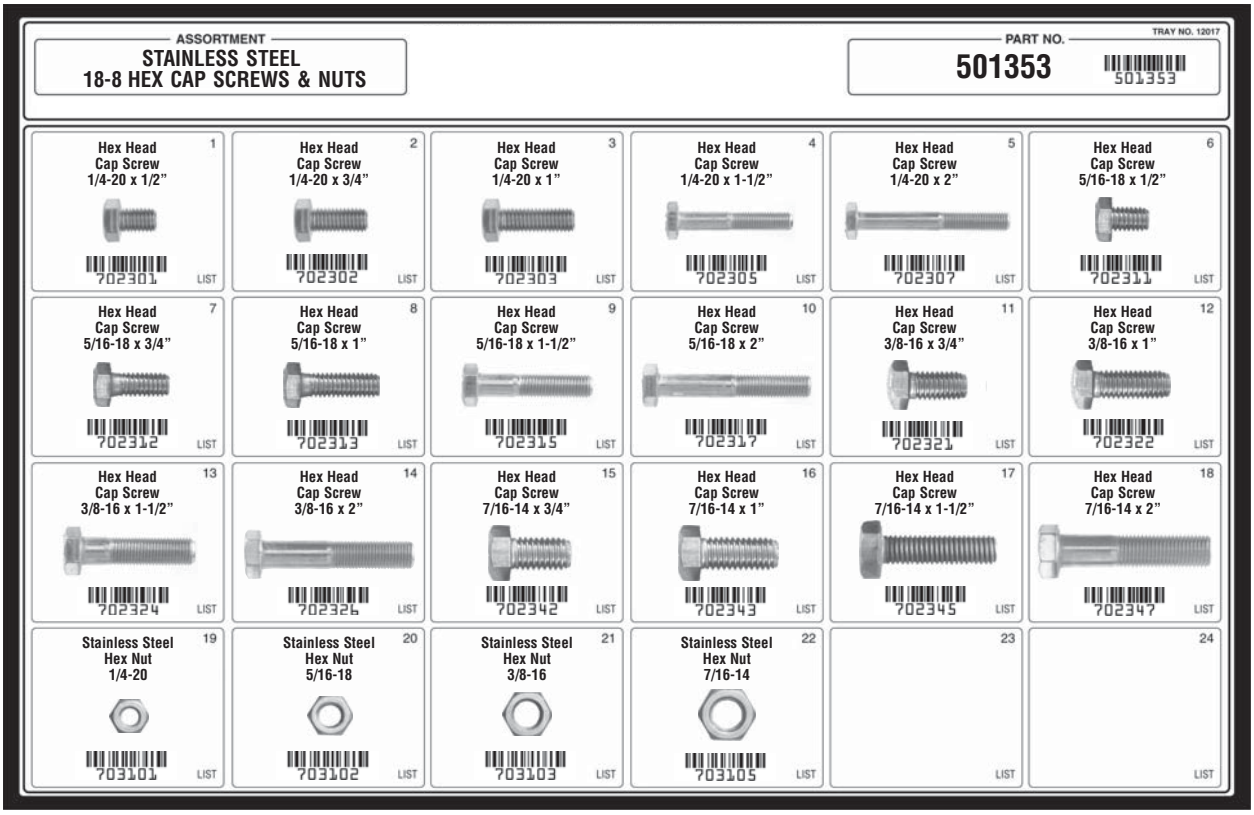


Part No. 501358 **3000 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION A13

TOP SELLING ASSORTMENTS

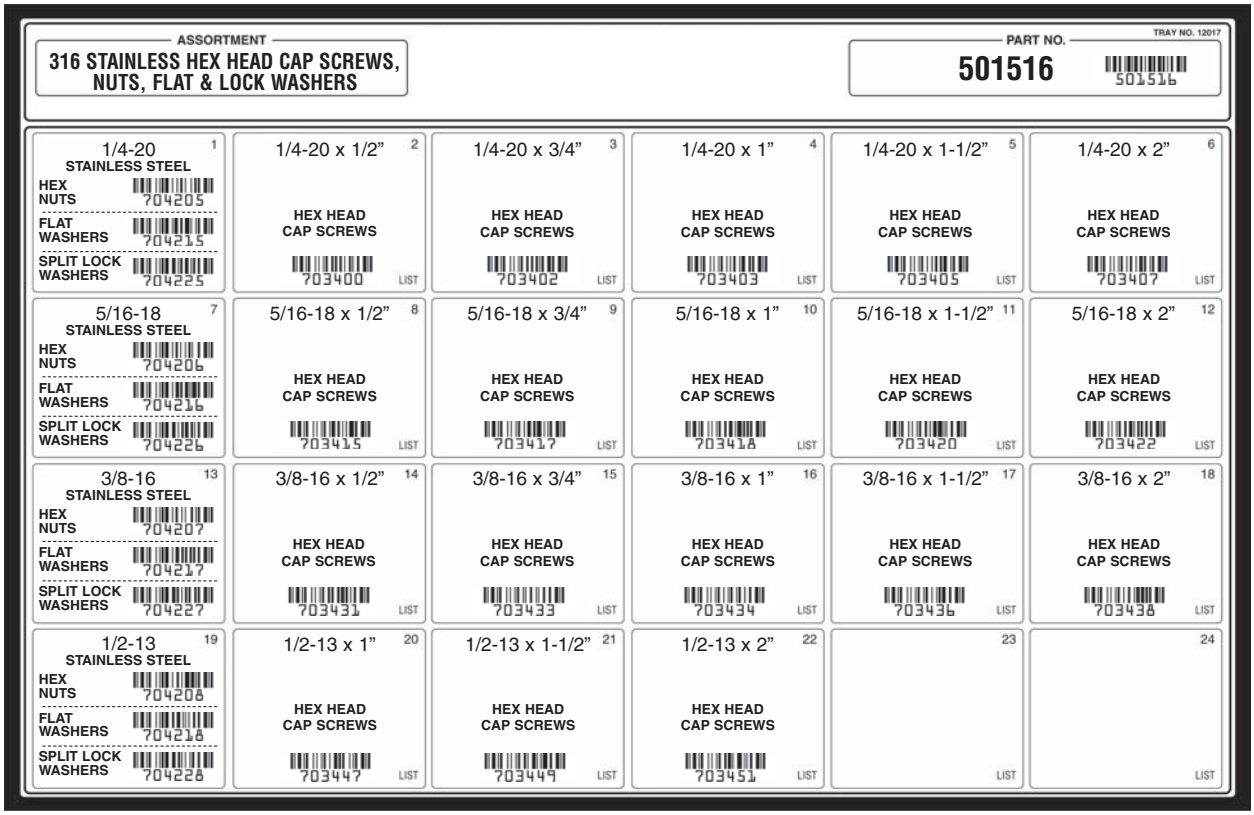


Part No. 501367 **1250 PIECES • 20 ITEMS • 12071 TRAY** CATALOG SECTION A13

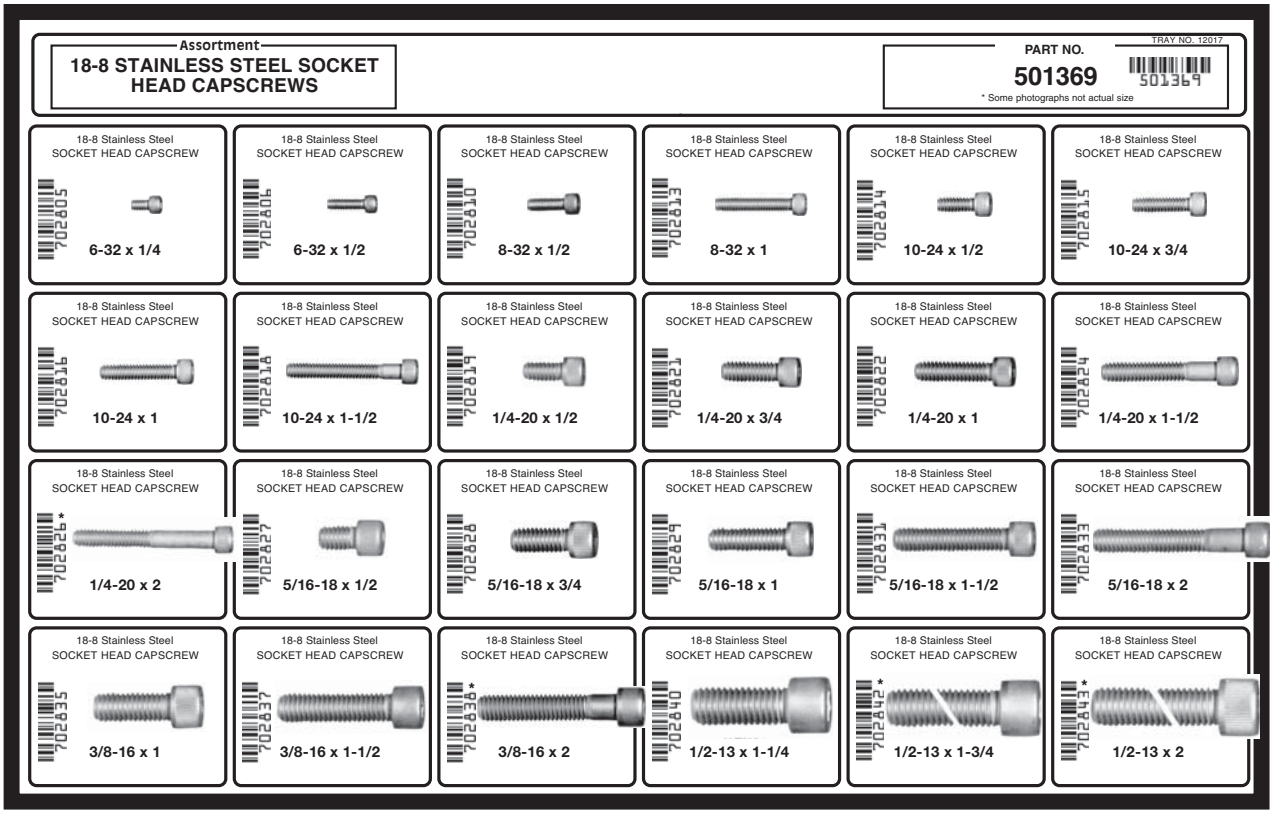


Part No. 501353 **450 PIECES • 22 ITEMS • 12017 TRAY** CATALOG SECTION A13

TOP SELLING ASSORTMENTS

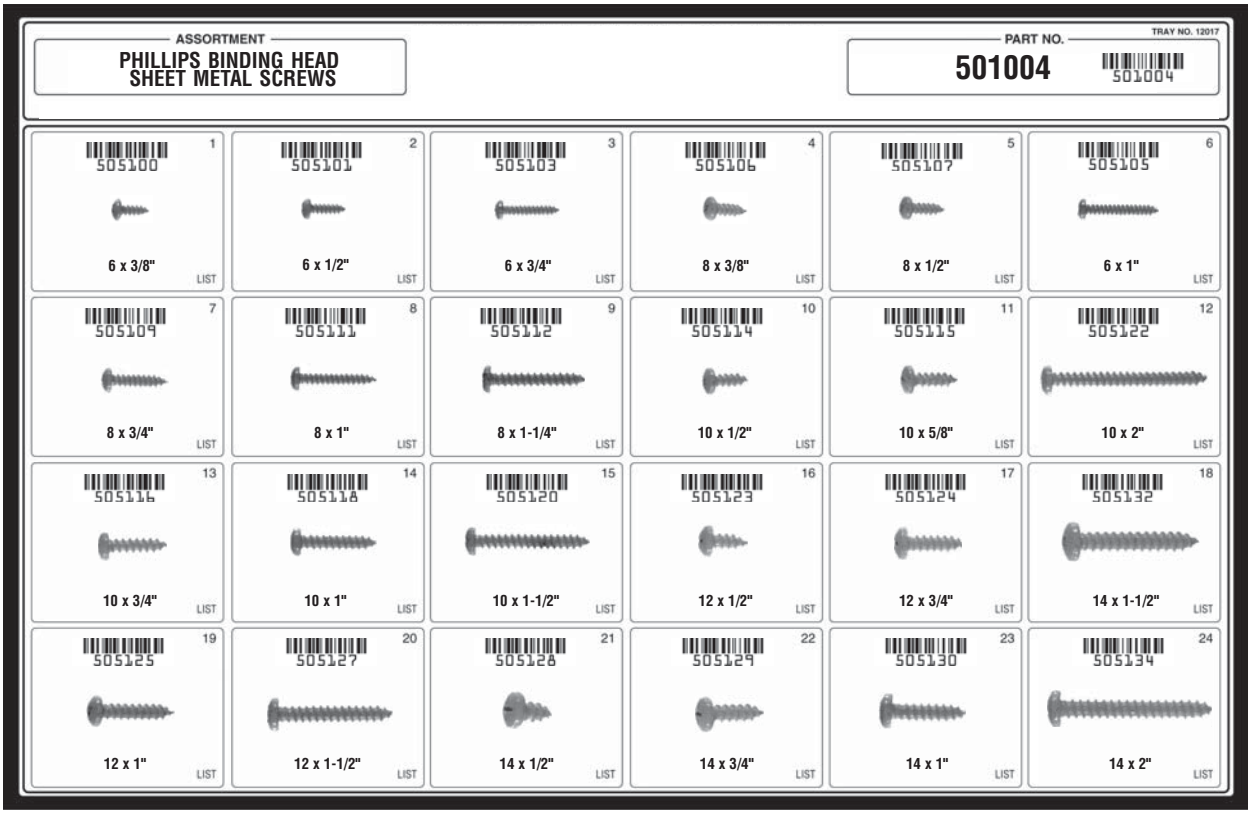


Part No. 501516 **440 PIECES • 30 ITEMS • 12017 TRAY** CATALOG SECTION A13

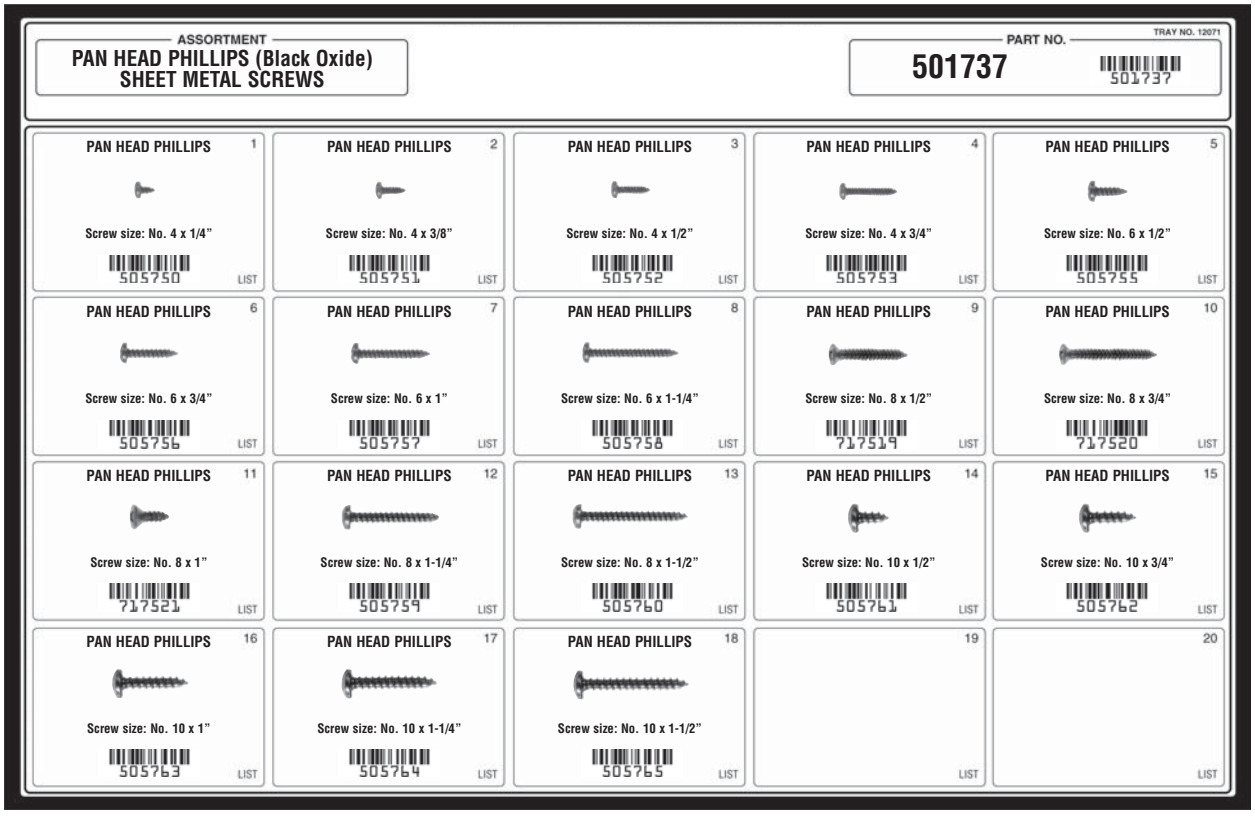


Part No. 501369 **405 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION A13

TOP SELLING ASSORTMENTS

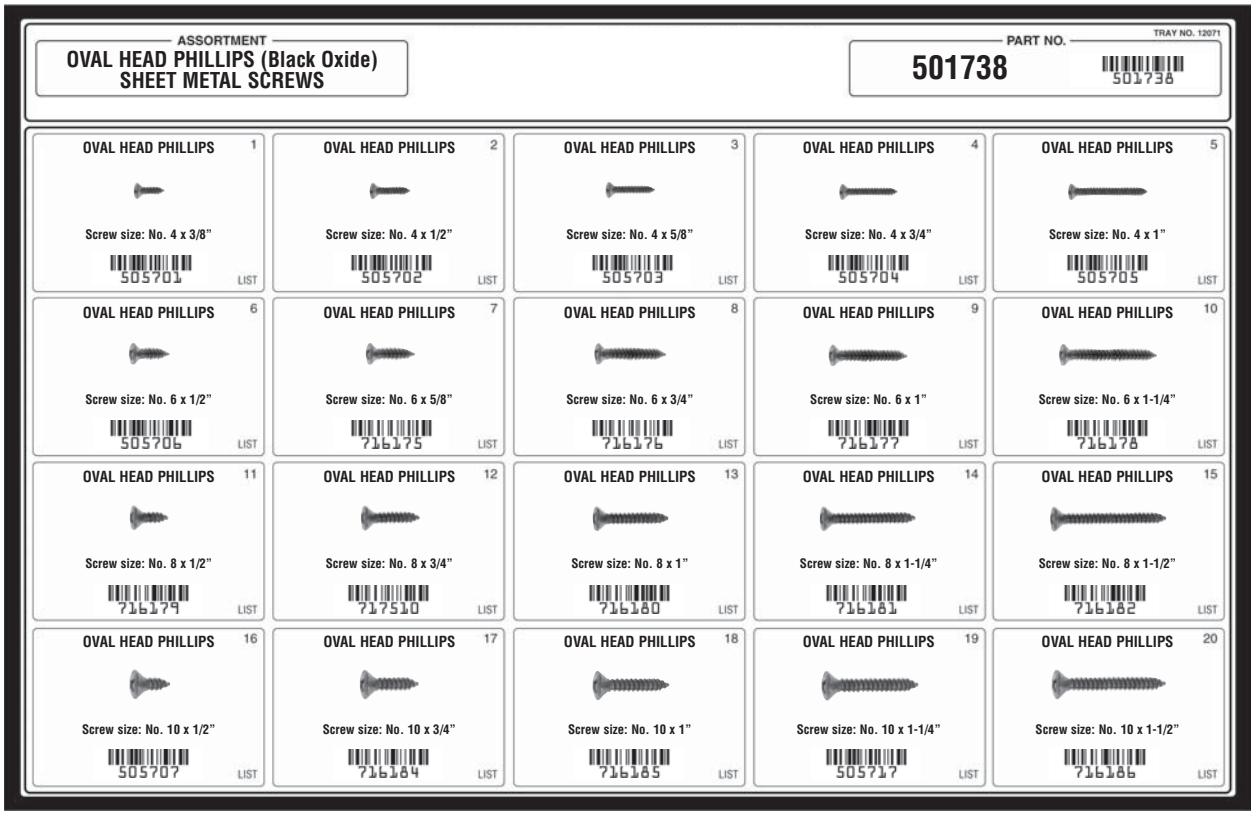


Part No. 501004 **540 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION A15

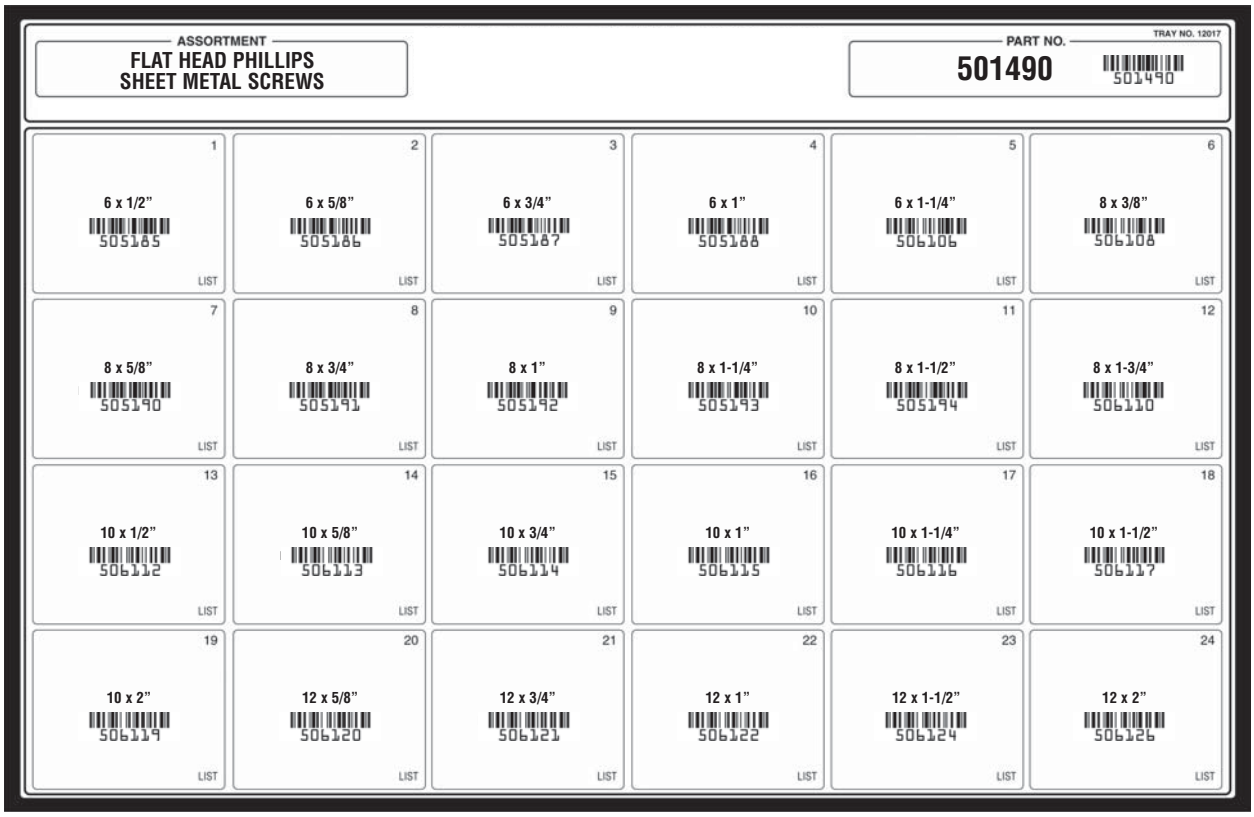


Part No. 501737 **525 PIECES • 18 ITEMS • 12071 TRAY** CATALOG SECTION A15

TOP SELLING ASSORTMENTS

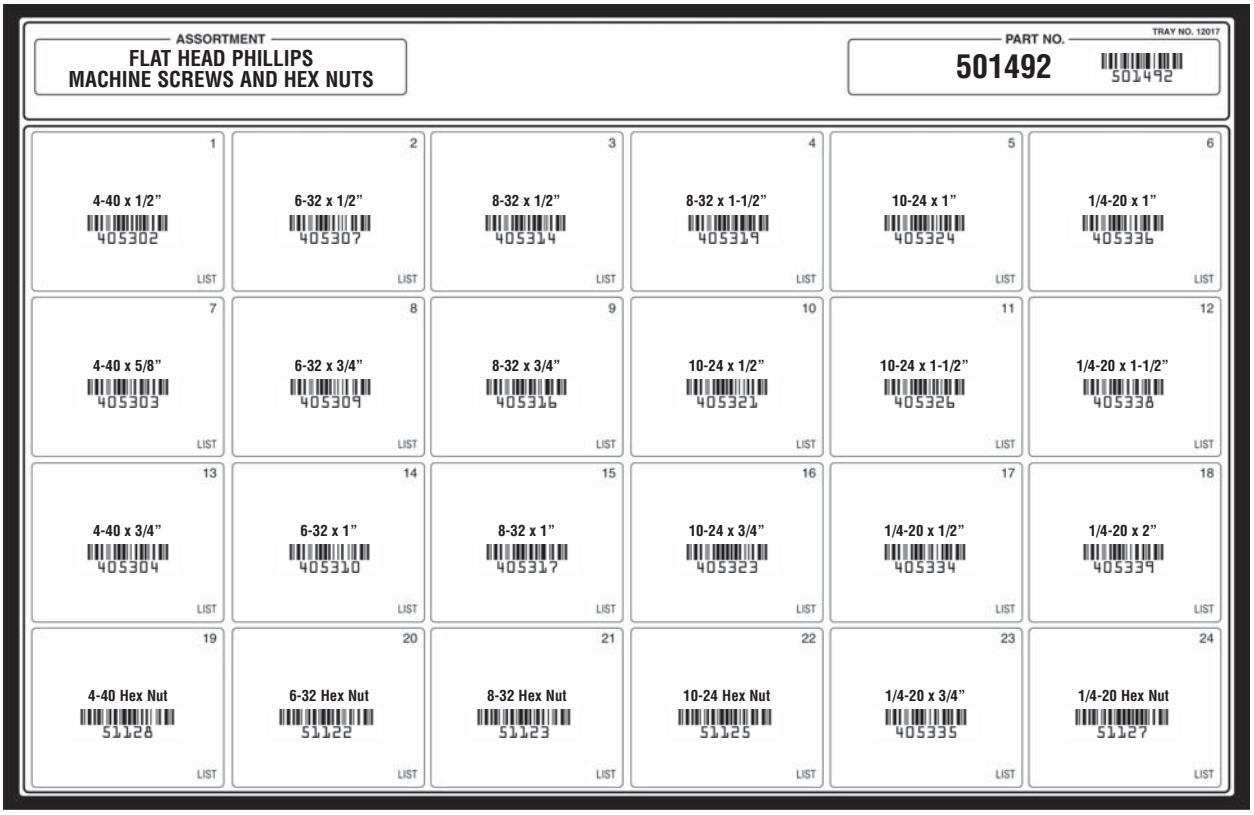


Part No. 501738 **575 PIECES • 20 ITEMS • 12071 TRAY** CATALOG SECTION A15

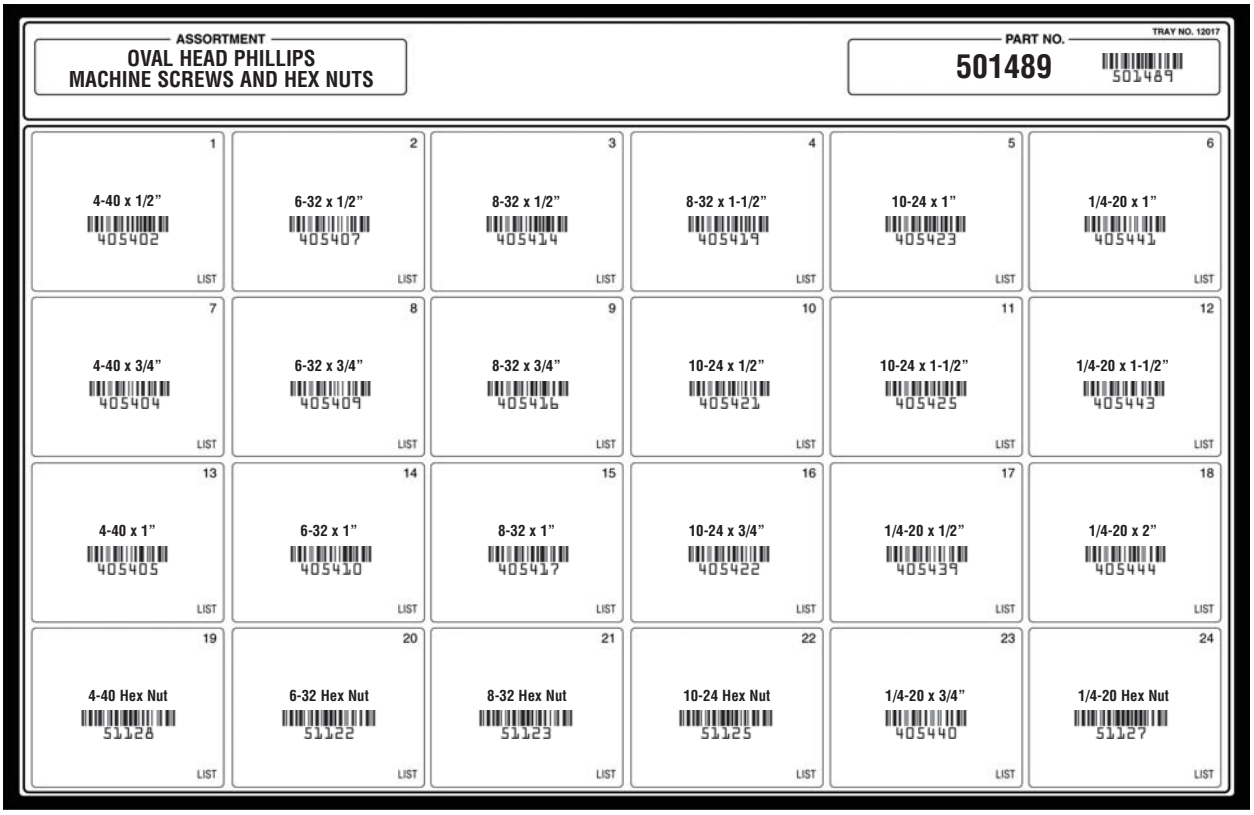


Part No. 501490 **1015 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION A15

TOP SELLING ASSORTMENTS

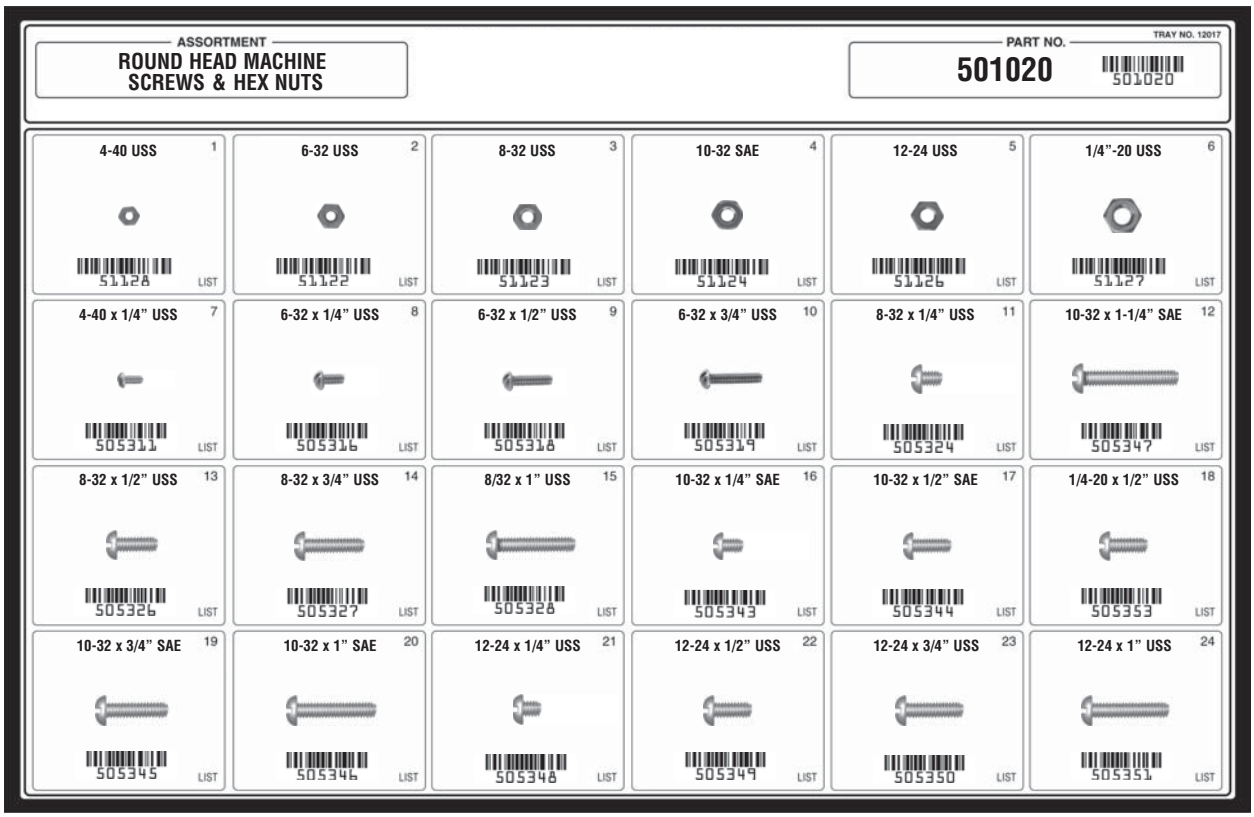


Part No. 501492 **1610 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION A15

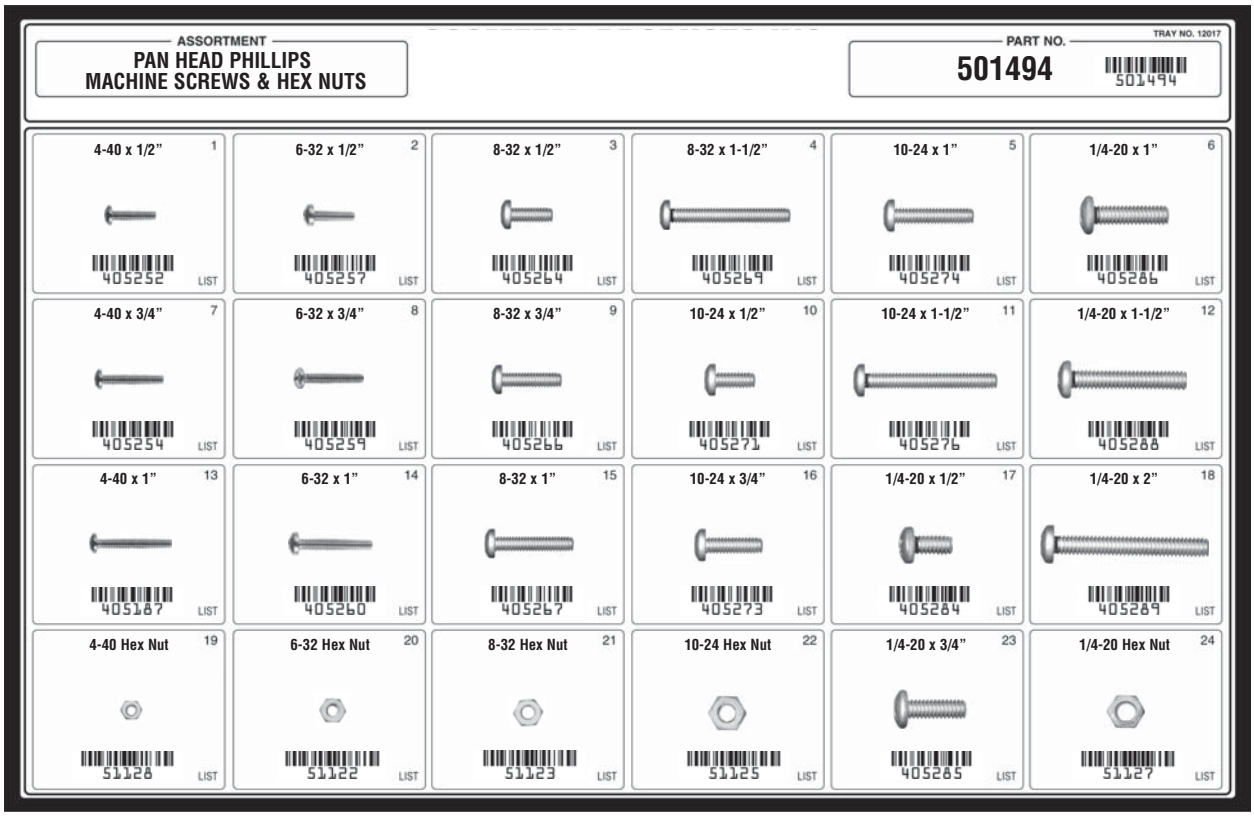


Part No. 501489 **1610 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION A15

TOP SELLING ASSORTMENTS

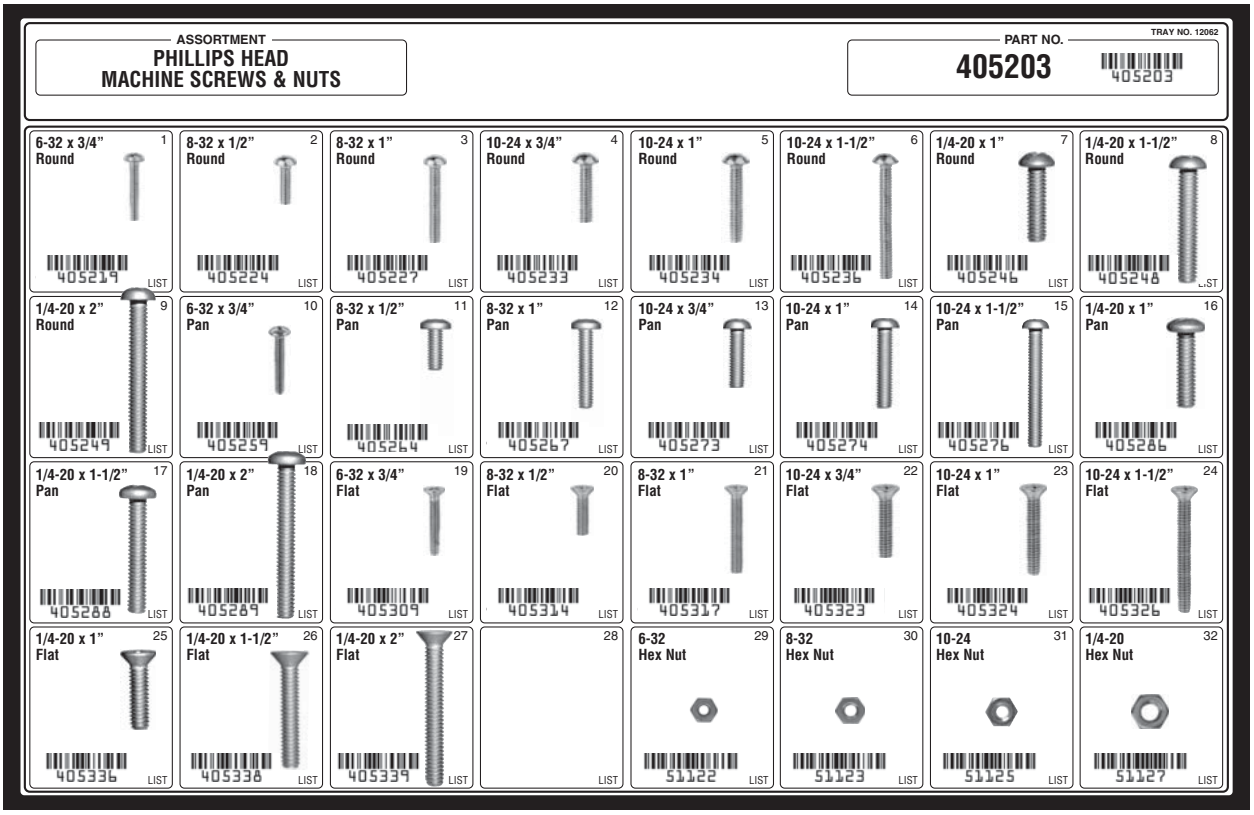


Part No. 501020 **736 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION A15

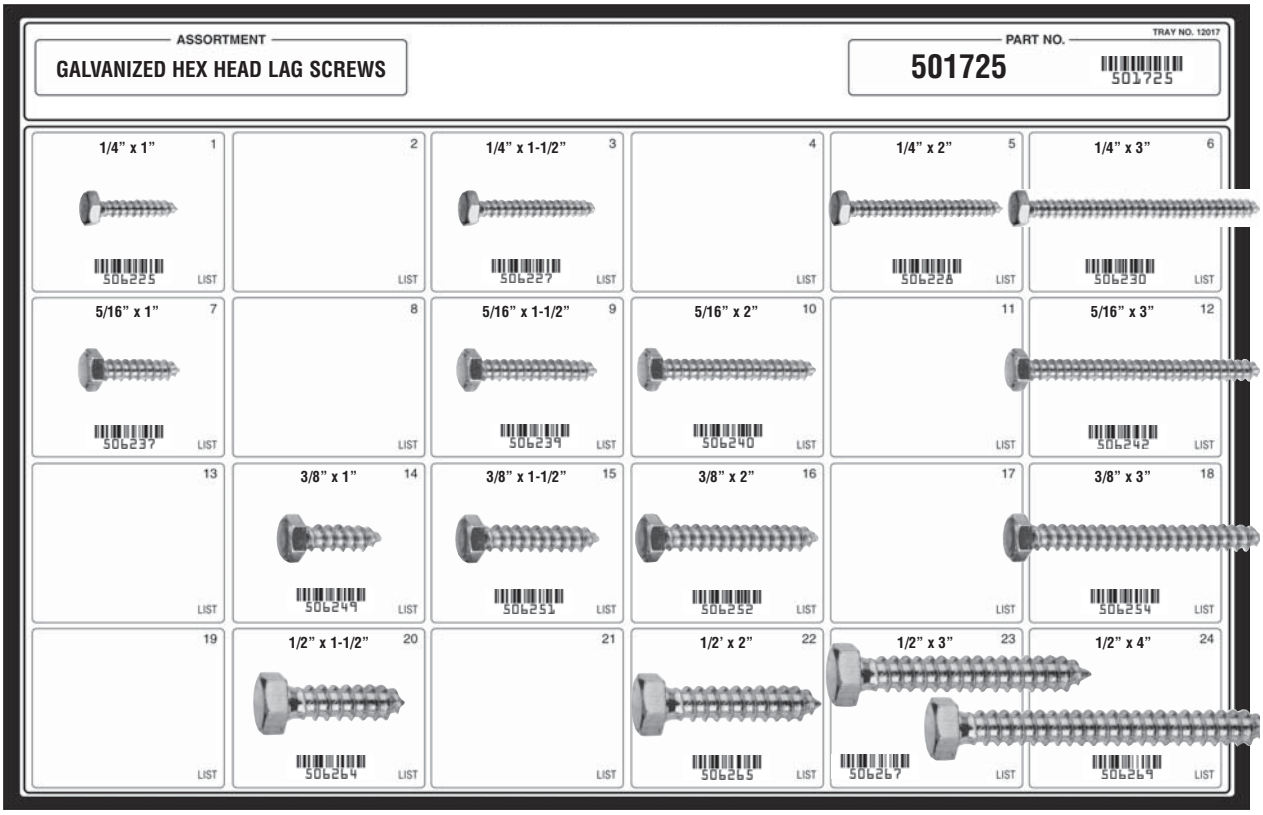


Part No. 501494 **2050 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION A15

TOP SELLING ASSORTMENTS

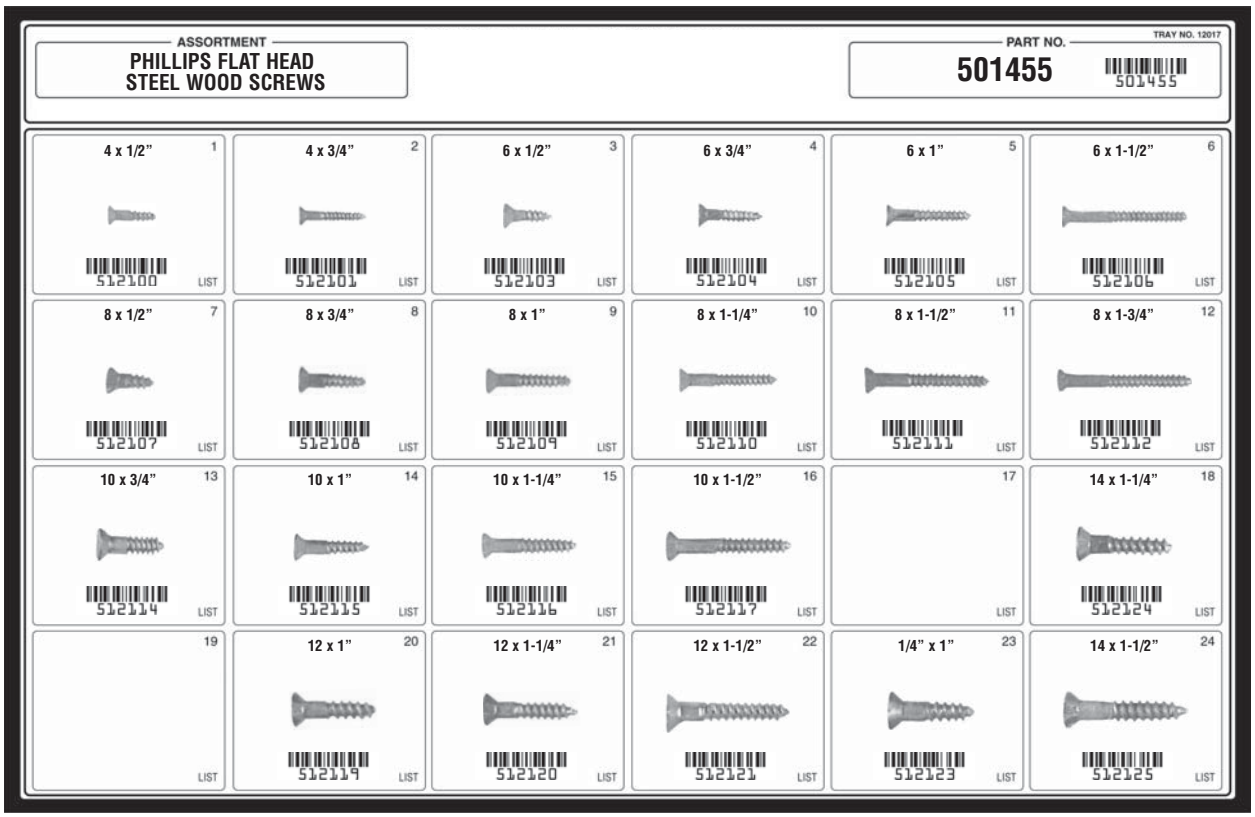


Part No. 405203 **1173 PIECES • 31 ITEMS • 12062 TRAY** CATALOG SECTION A15

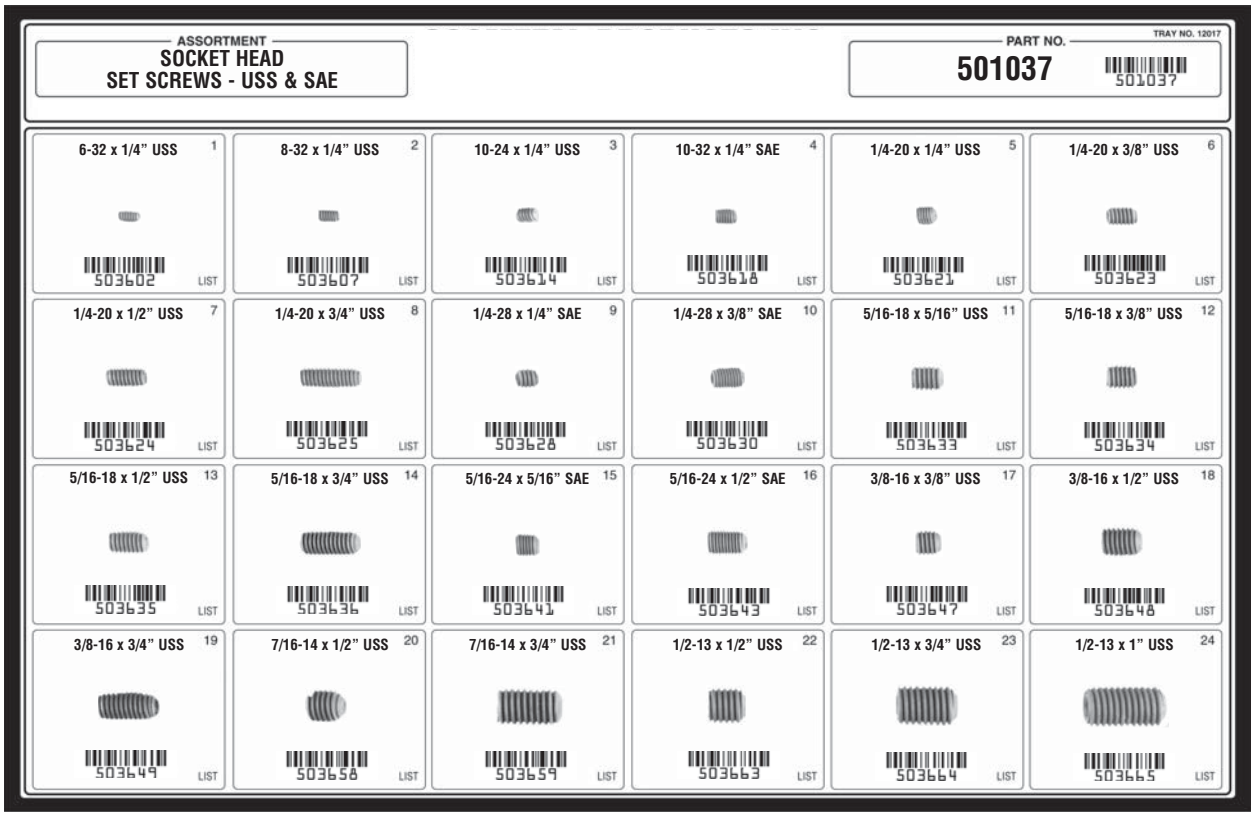


Part No. 501725 **112 PIECES • 16 ITEMS • 12017 TRAY** CATALOG SECTION A15

TOP SELLING ASSORTMENTS

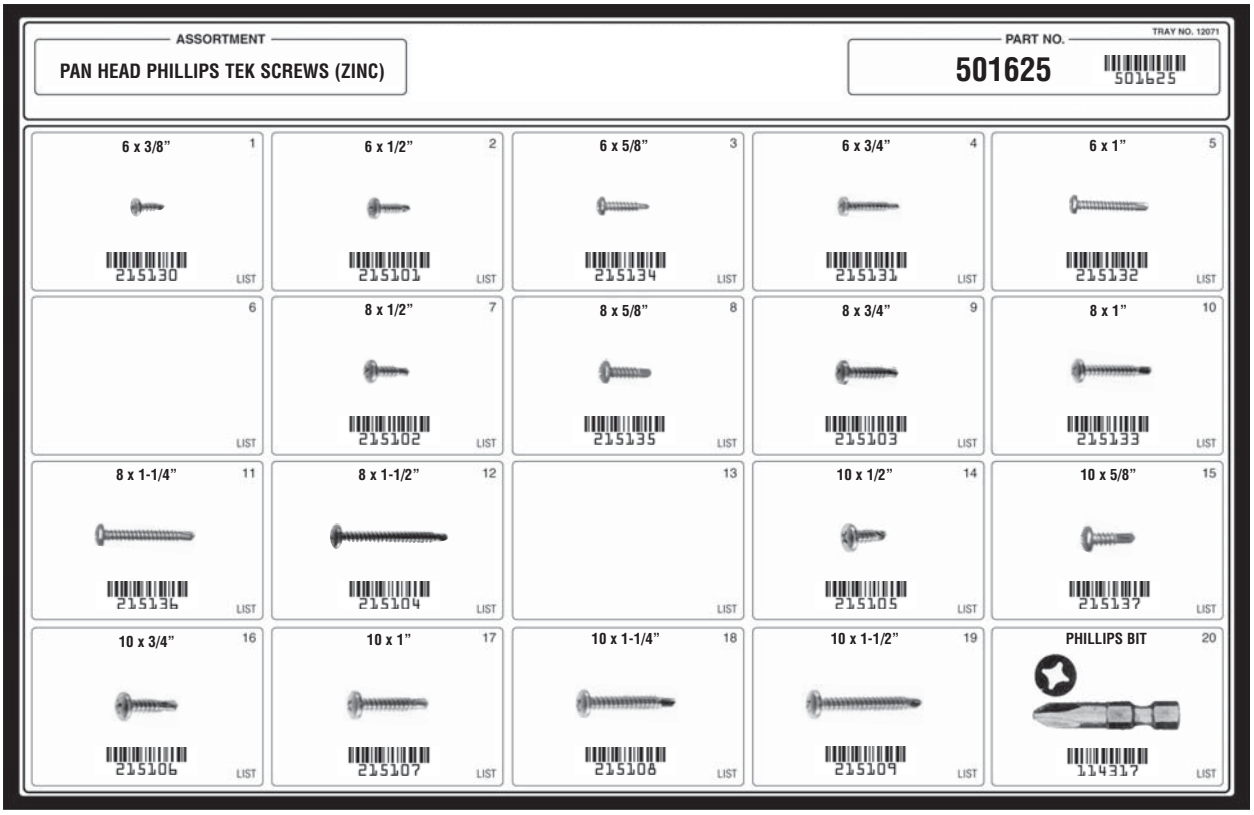


Part No. 501455 **415 PIECES • 22 ITEMS • 12017 TRAY** CATALOG SECTION A15

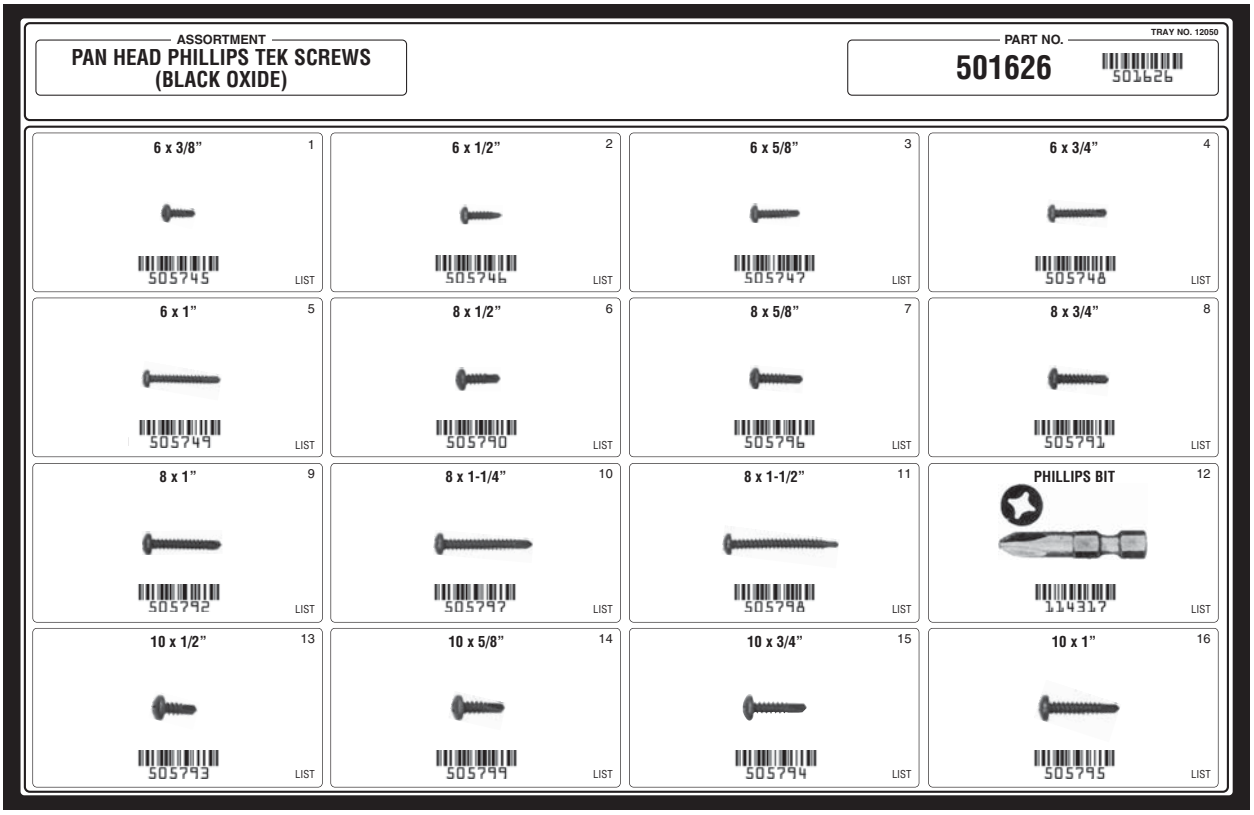


Part No. 501037 **433 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION A15

TOP SELLING ASSORTMENTS



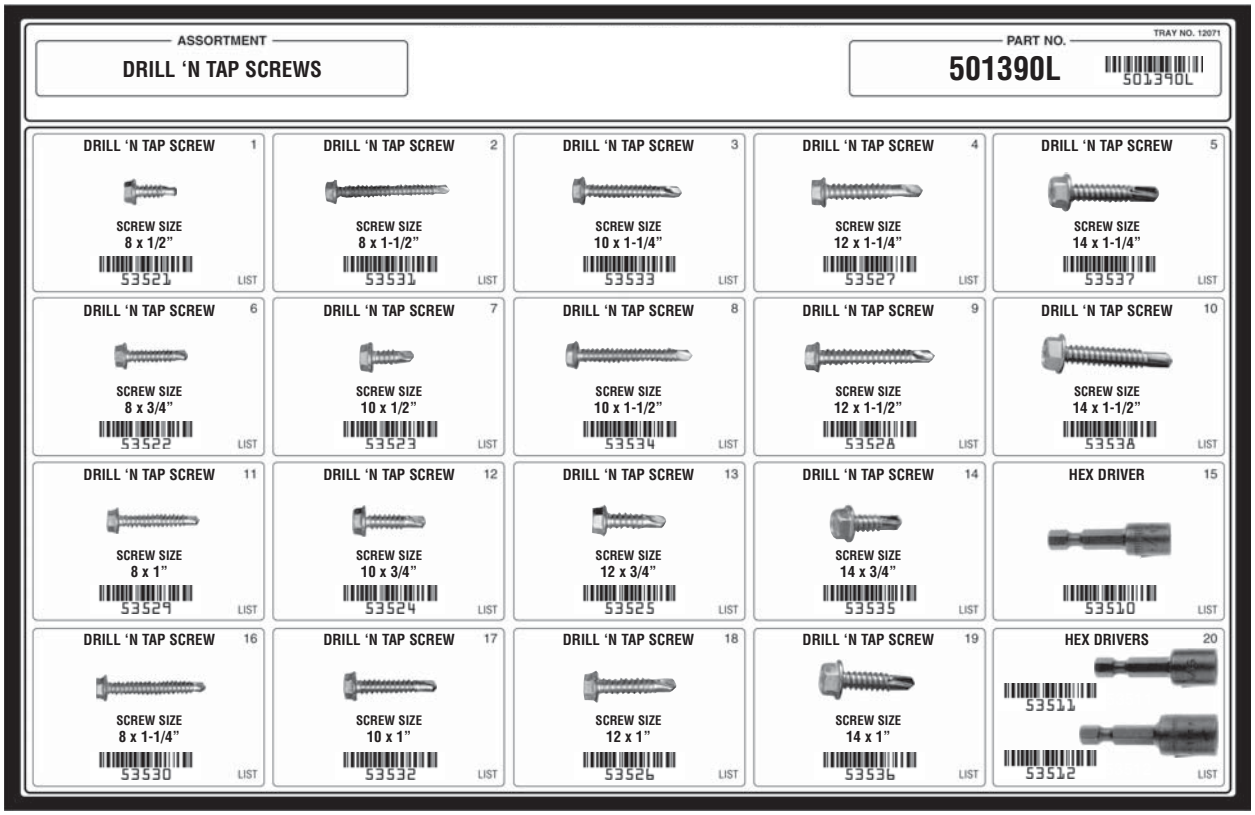
Part No. 501625 **1071 PIECES • 18 ITEMS • 12071 TRAY** CATALOG SECTION A15



Part No. 501626 **591 PIECES • 16 ITEMS • 12050 TRAY** CATALOG SECTION A15

TOP SELLING ASSORTMENTS

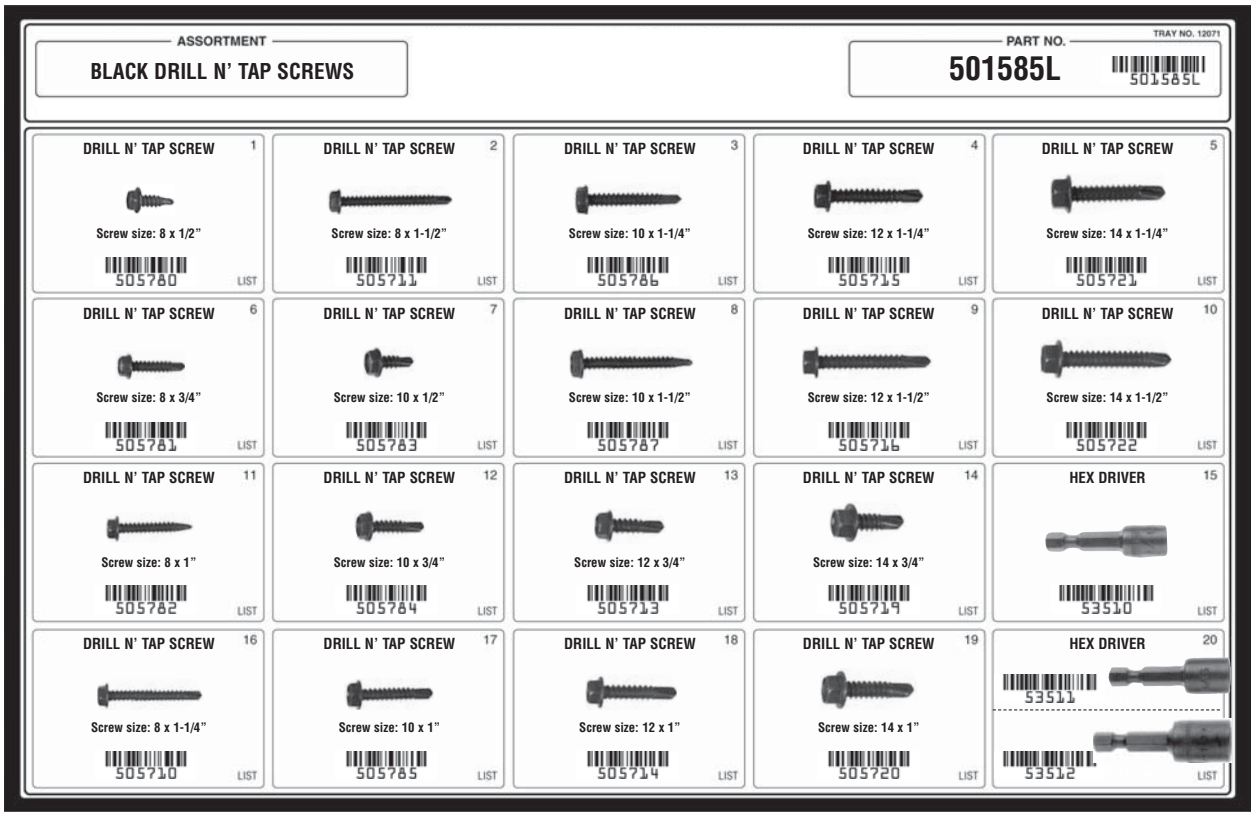
*Half quantities available, use "M" instead of "L"



Part No. 501390L*

546 PIECES • 21 ITEMS • 12071 TRAY

CATALOG SECTION A15

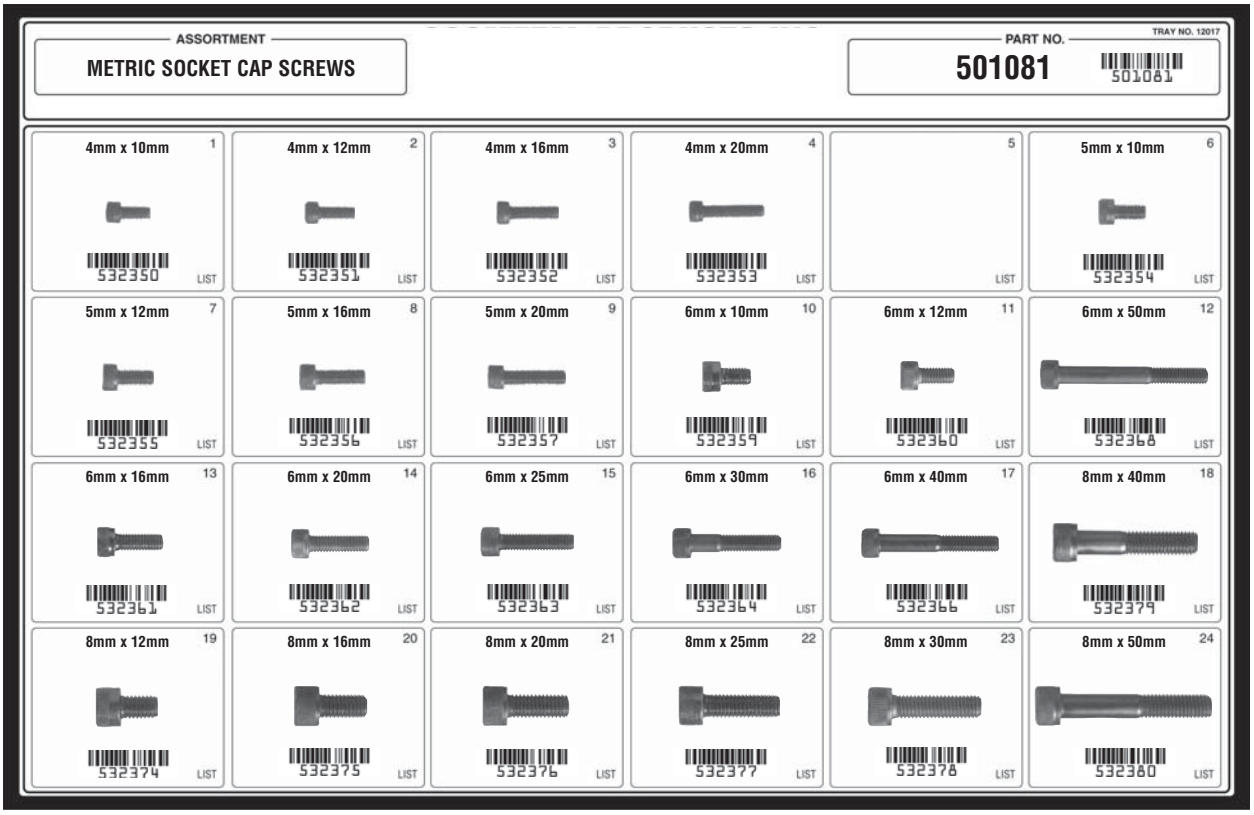


Part No. 501585L*

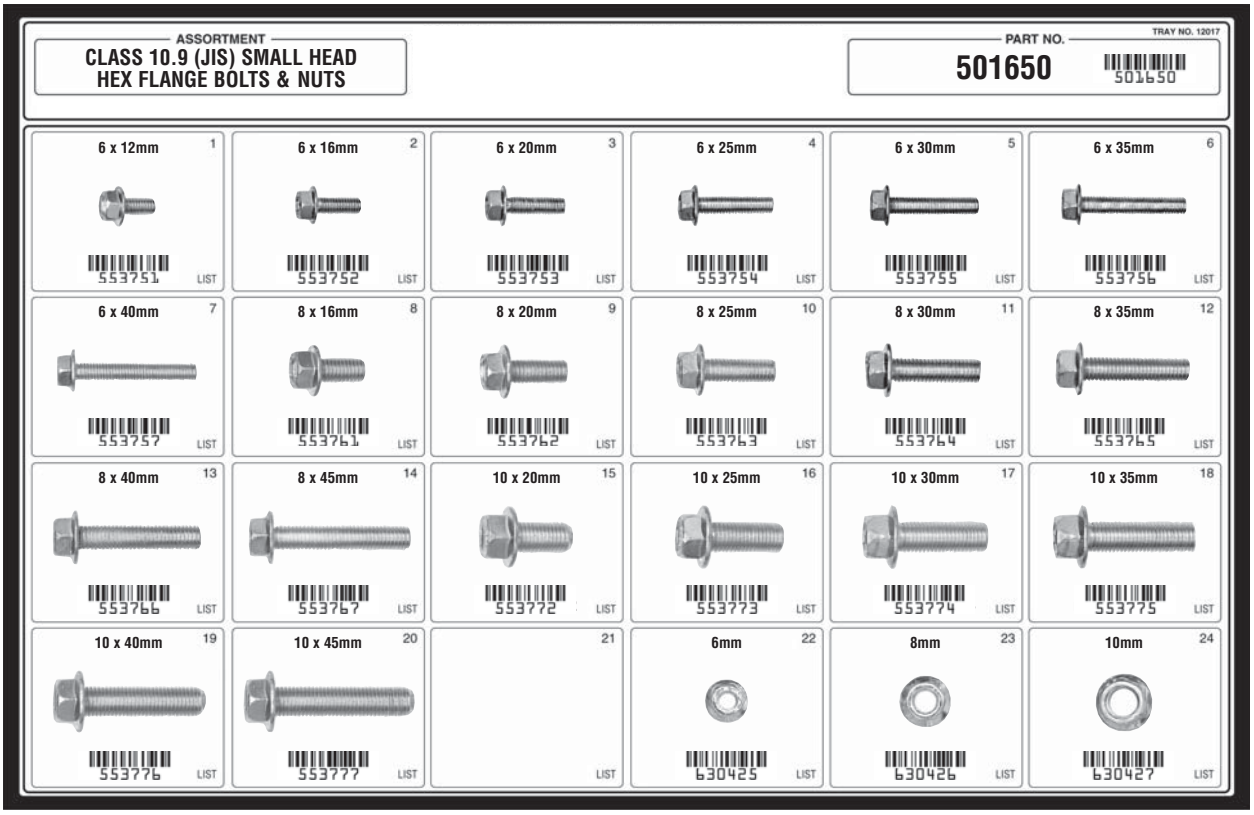
546 PIECES • 21 ITEMS • 12071 TRAY

CATALOG SECTION A15

TOP SELLING ASSORTMENTS

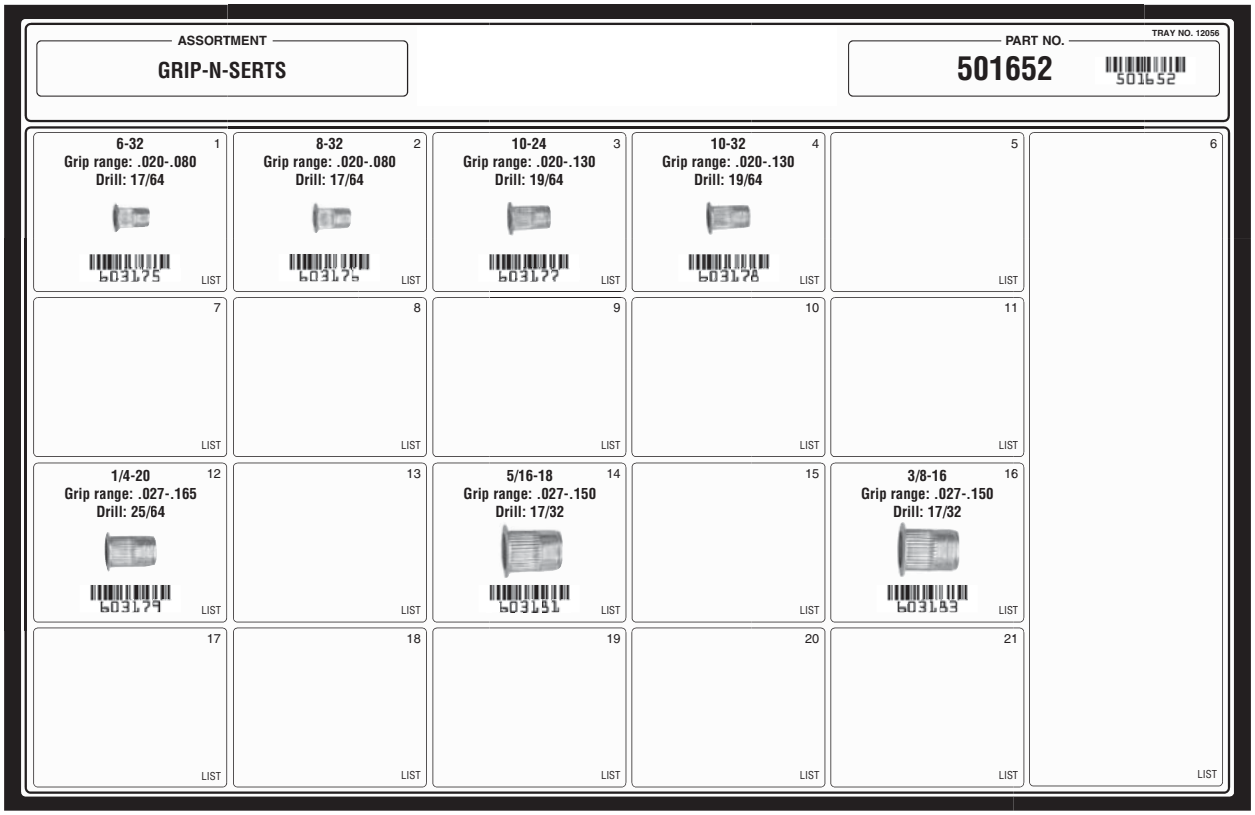


Part No. 501081 **460 PIECES • 23 ITEMS • 12017 TRAY** CATALOG SECTION A16

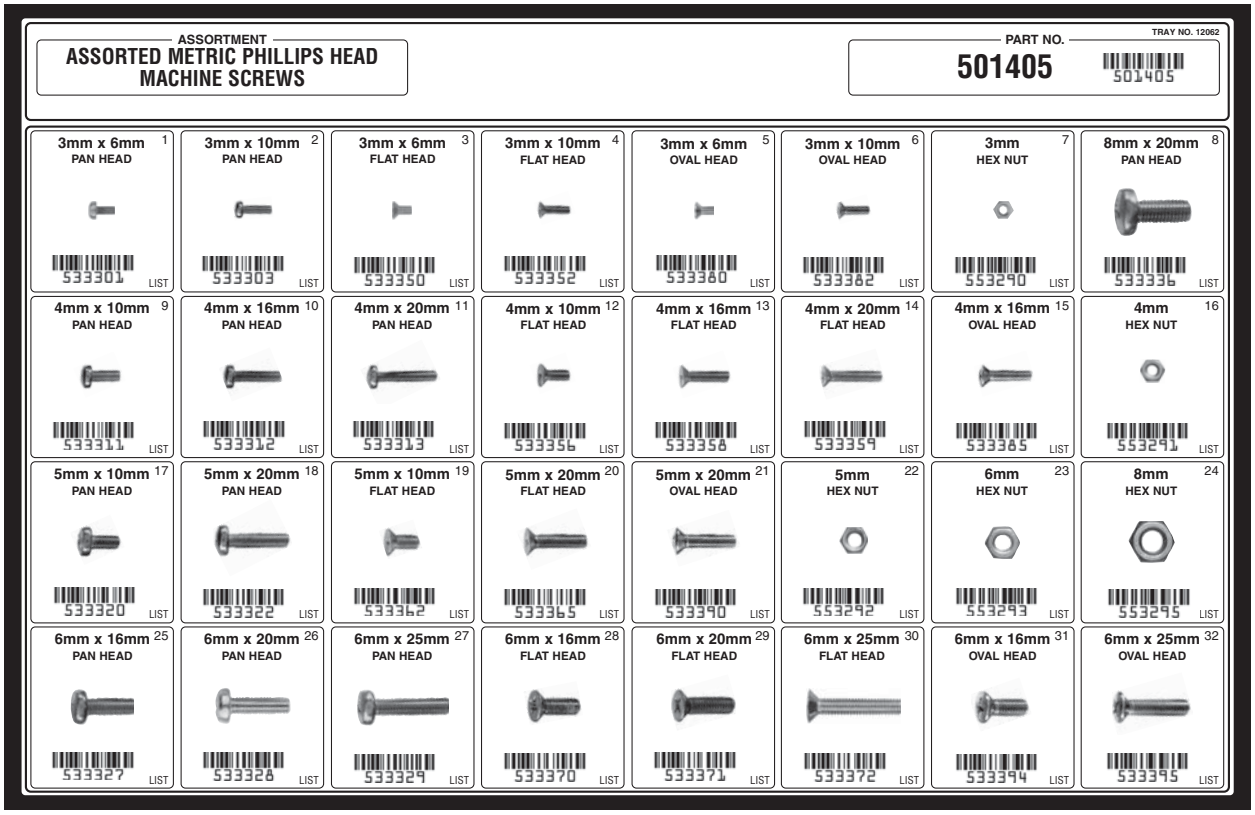


Part No. 501650 **447 PIECES • 23 ITEMS • 12017 TRAY** CATALOG SECTION A16

TOP SELLING ASSORTMENTS

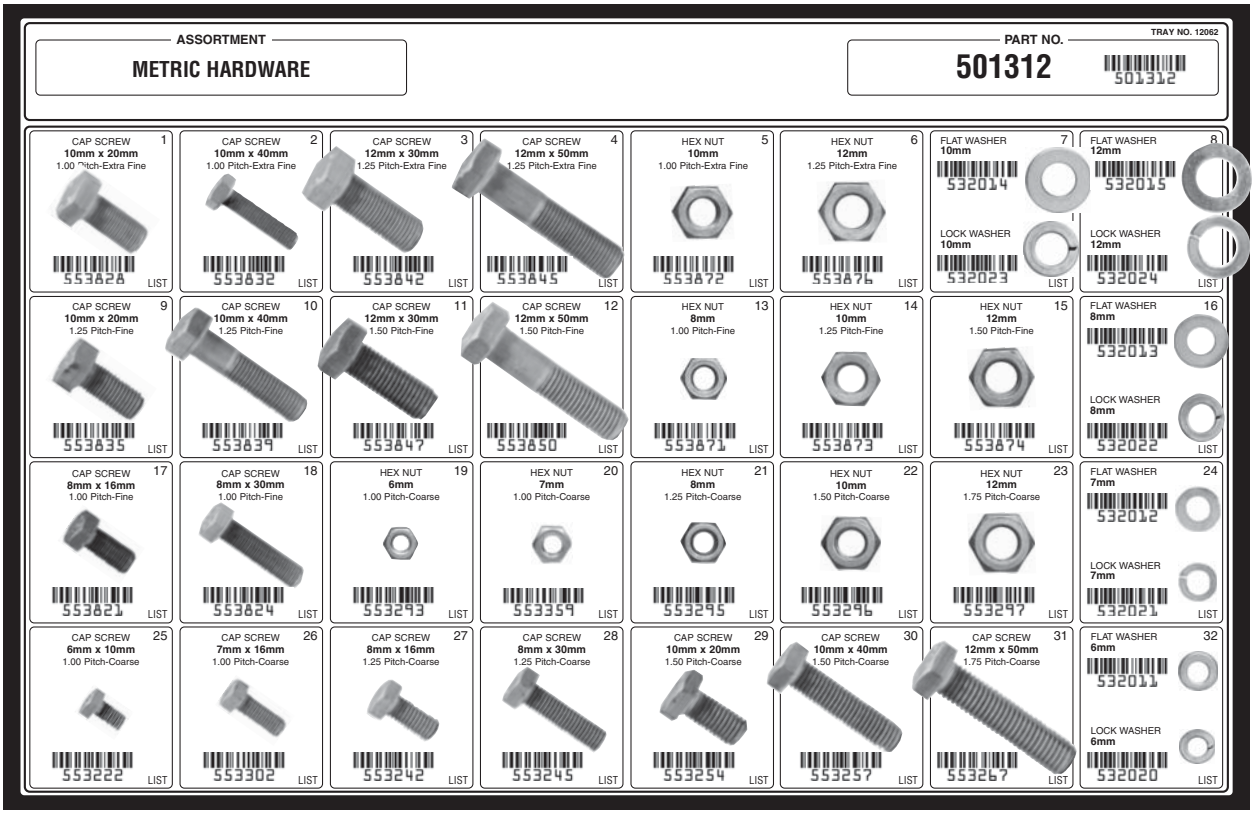


Part No. 501652 **160 PIECES • 7 ITEMS • 12056 TRAY** CATALOG SECTION **A17**

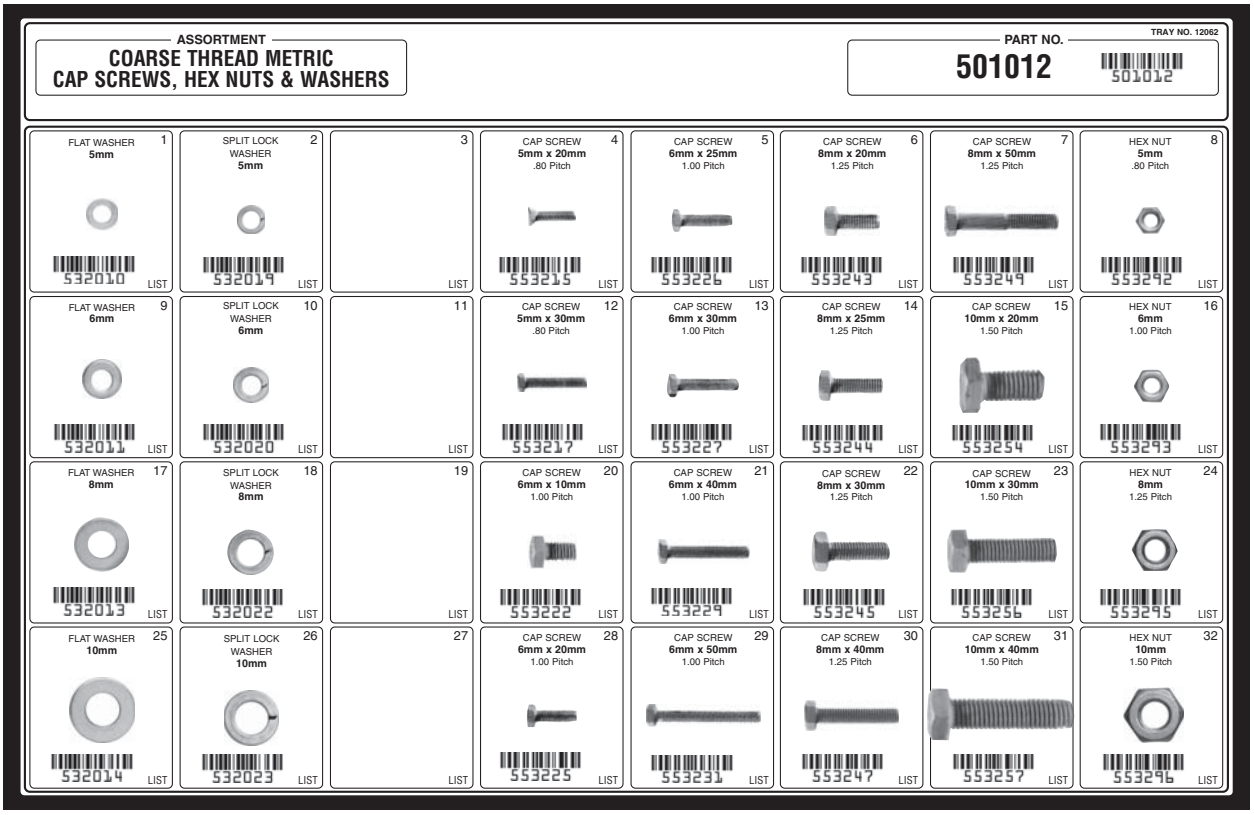


Part No. 501405 **1430 PIECES • 32 ITEMS • 12062 TRAY** CATALOG SECTION **A16**

TOP SELLING ASSORTMENTS

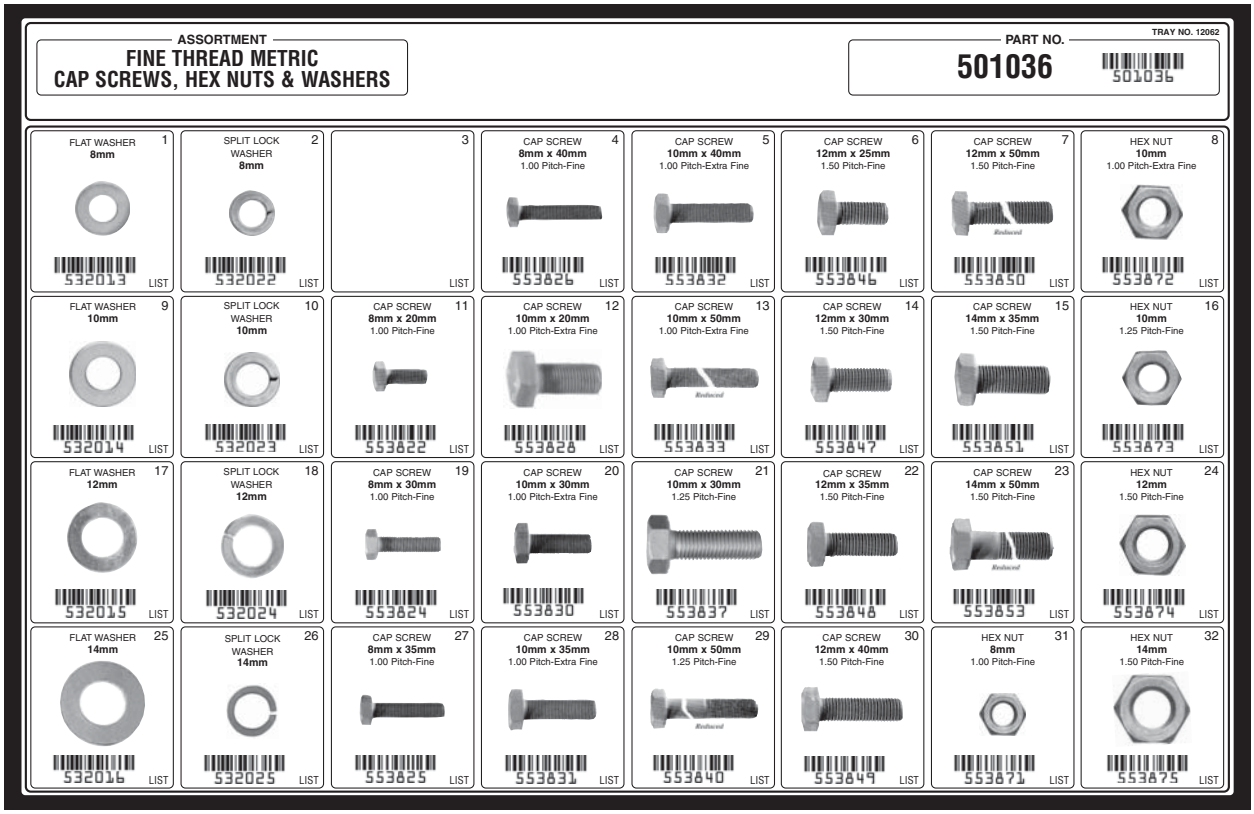


Part No. 501312 **456 PIECES • 37 ITEMS • 12062 TRAY** **CATALOG SECTION A16**

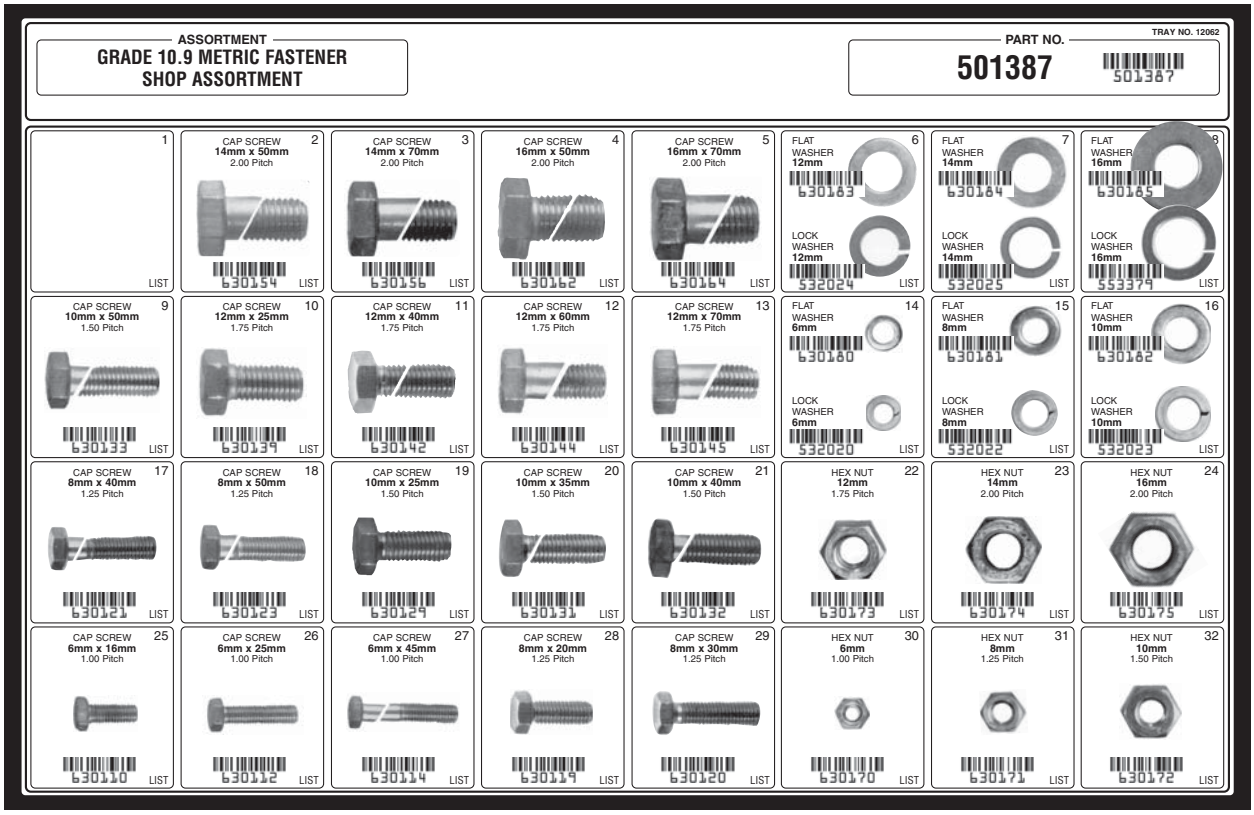


Part No. 501012 **1064 PIECES • 28 ITEMS • 12062 TRAY** **CATALOG SECTION A16**

TOP SELLING ASSORTMENTS



Part No. 501036 **331 PIECES • 31 ITEMS • 12062 TRAY** **CATALOG SECTION A16**

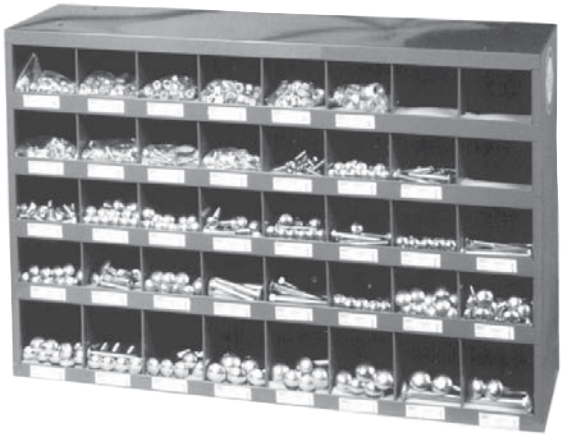


Part No. 501387 **505 PIECES • 37 ITEMS • 12062 TRAY** **CATALOG SECTION A16**

*Half quantities available, use "M" instead of "L"

TOP SELLING ASSORTMENTS

- Metric Class 8.8 Coarse & Fine Fasteners
- Sizes from 4mm through 12mm



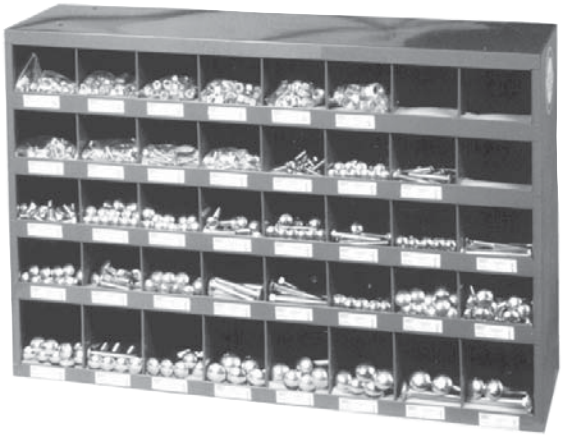
Assortment Photo for illustration purposes only.
Actual Contents may vary.

Part No. 501054L*

1034 PIECES • 40 ITEMS • 40 BIN

CATALOG SECTION A16

- Metric Class 10.9 Coarse Fasteners
- Sizes from 6mm through 16mm



Assortment Photo for illustration purposes only.
Actual Contents may vary.

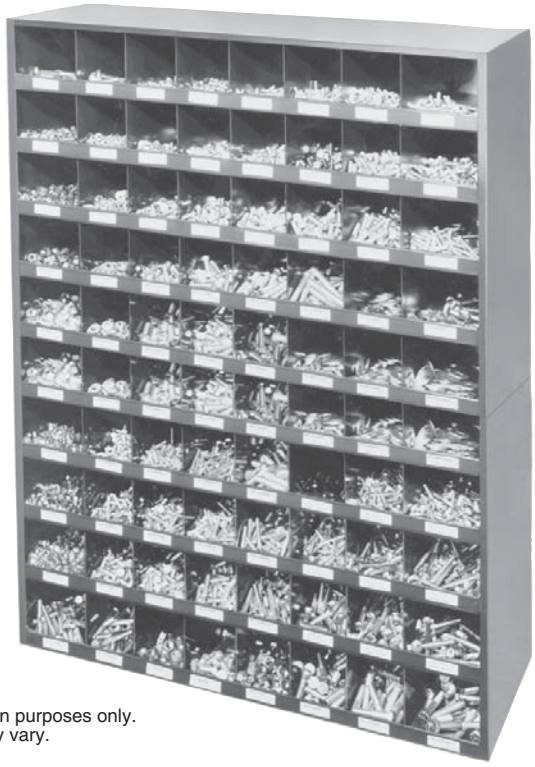
Part No. 501386

578 PIECES • 40 ITEMS • 40 BIN

CATALOG SECTION A16

TOP SELLING ASSORTMENTS

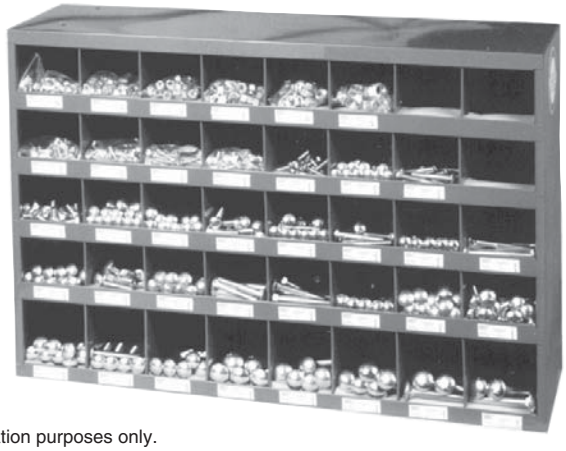
- **Metric Class 10.9 Coarse Fasteners**
- **Sizes from 6mm through 16mm**



Assortment Photo for illustration purposes only.
Actual Contents may vary.

Part No. 501033 **1250 PIECES • 71 ITEMS • 80 BIN** CATALOG SECTION **A16**

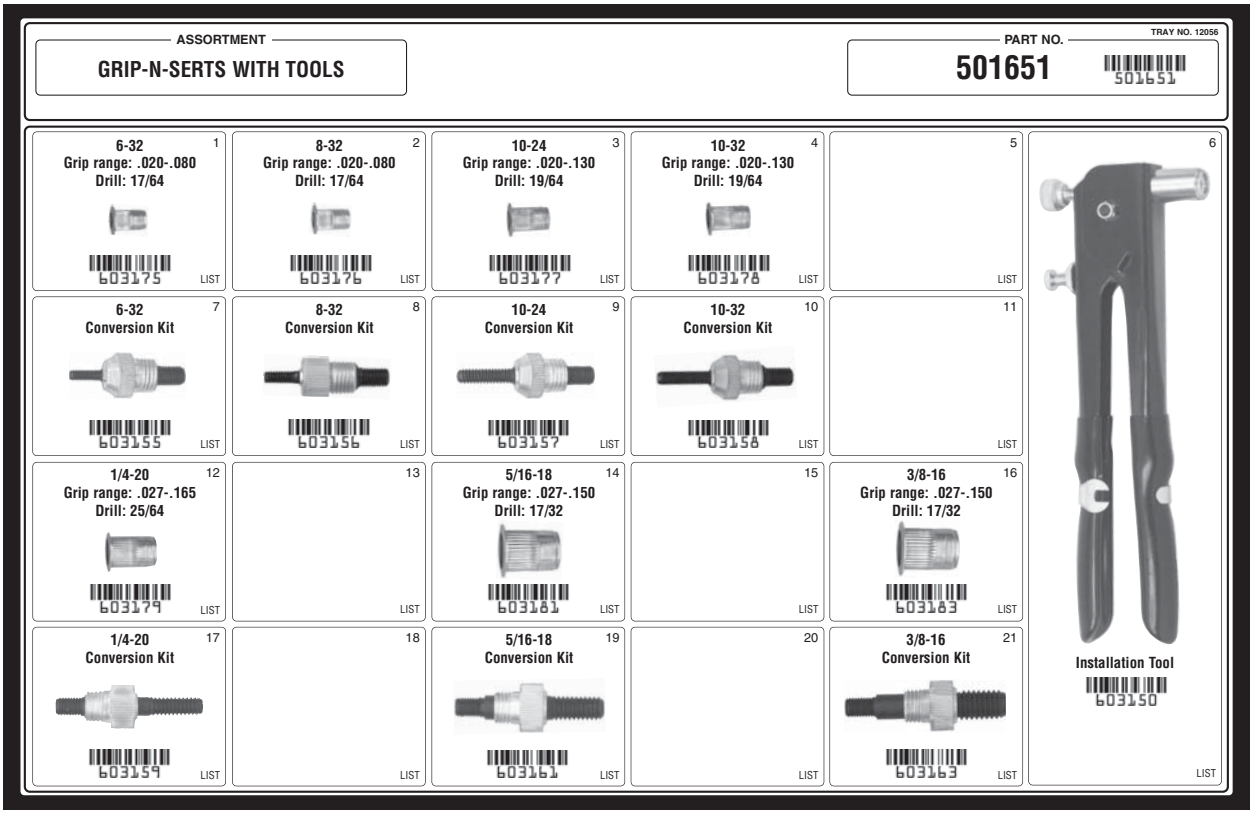
- **Metric Class 8.8 Coarse Fasteners**
- **Sizes from 4mm through 12mm**



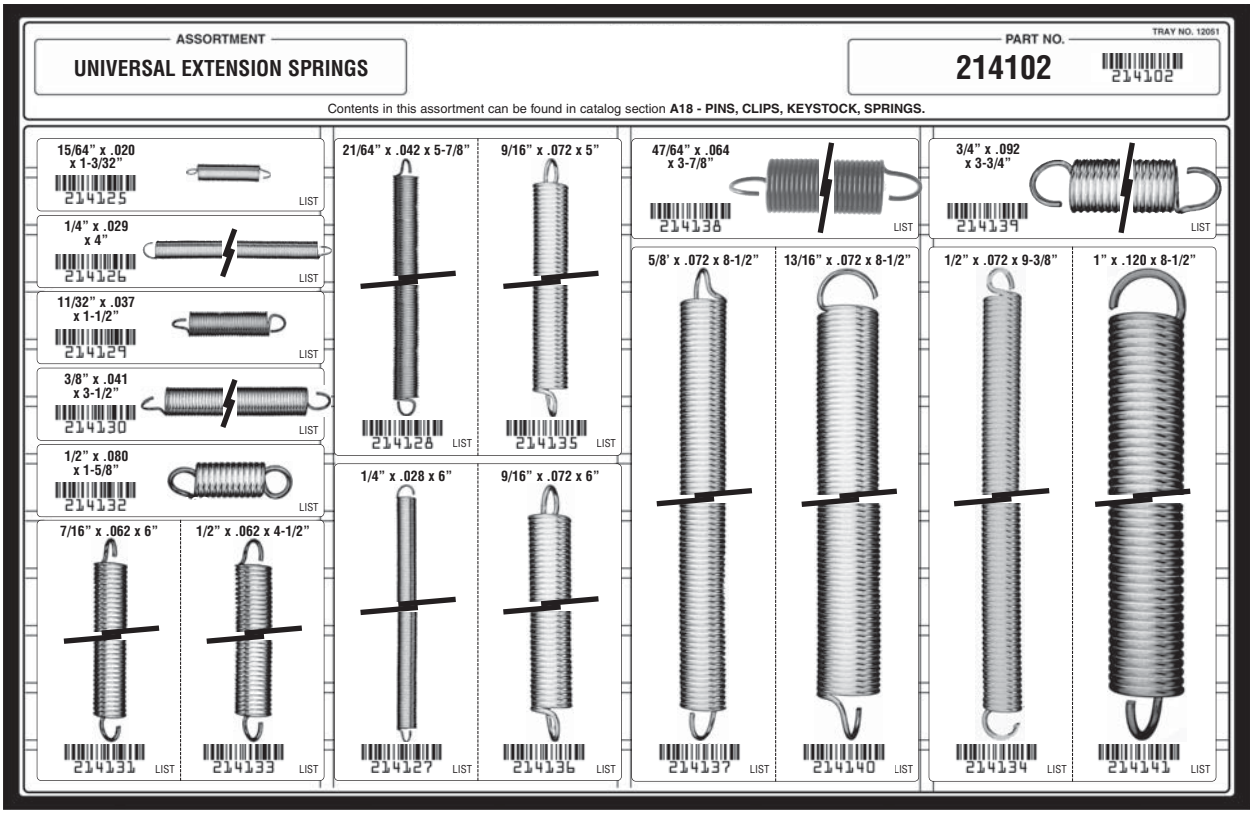
Assortment Photo for illustration purposes only.
Actual Contents may vary.

Part No. 501041 **646 PIECES • 40 ITEMS • 40 BIN** CATALOG SECTION **A16**

TOP SELLING ASSORTMENTS



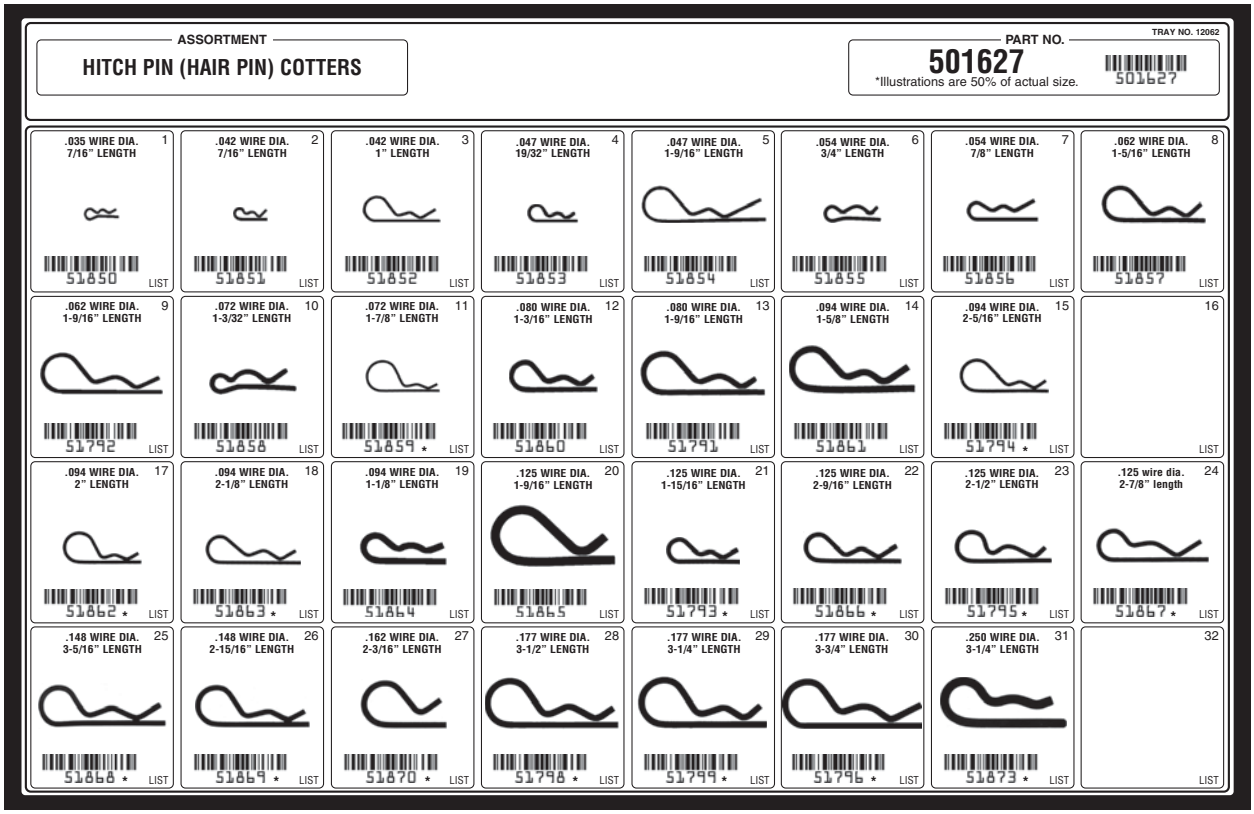
Part No. 501651 **168 PIECES • 15 ITEMS • 12056 TRAY** **CATALOG SECTION A17**



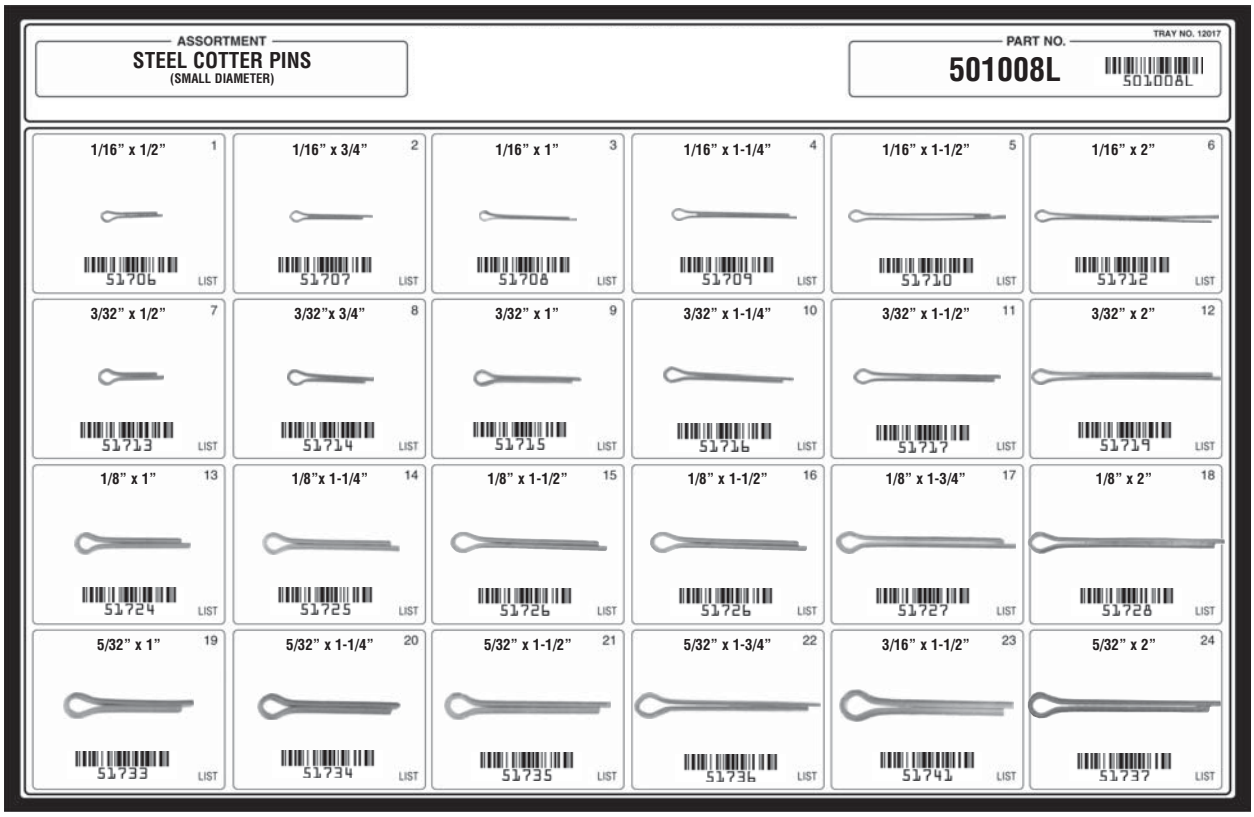
Part No. 214102 **47 PIECES • 17 ITEMS • 12051 TRAY** **CATALOG SECTION A18**

TOP SELLING ASSORTMENTS

*Half quantities available, use "M" instead of "L"



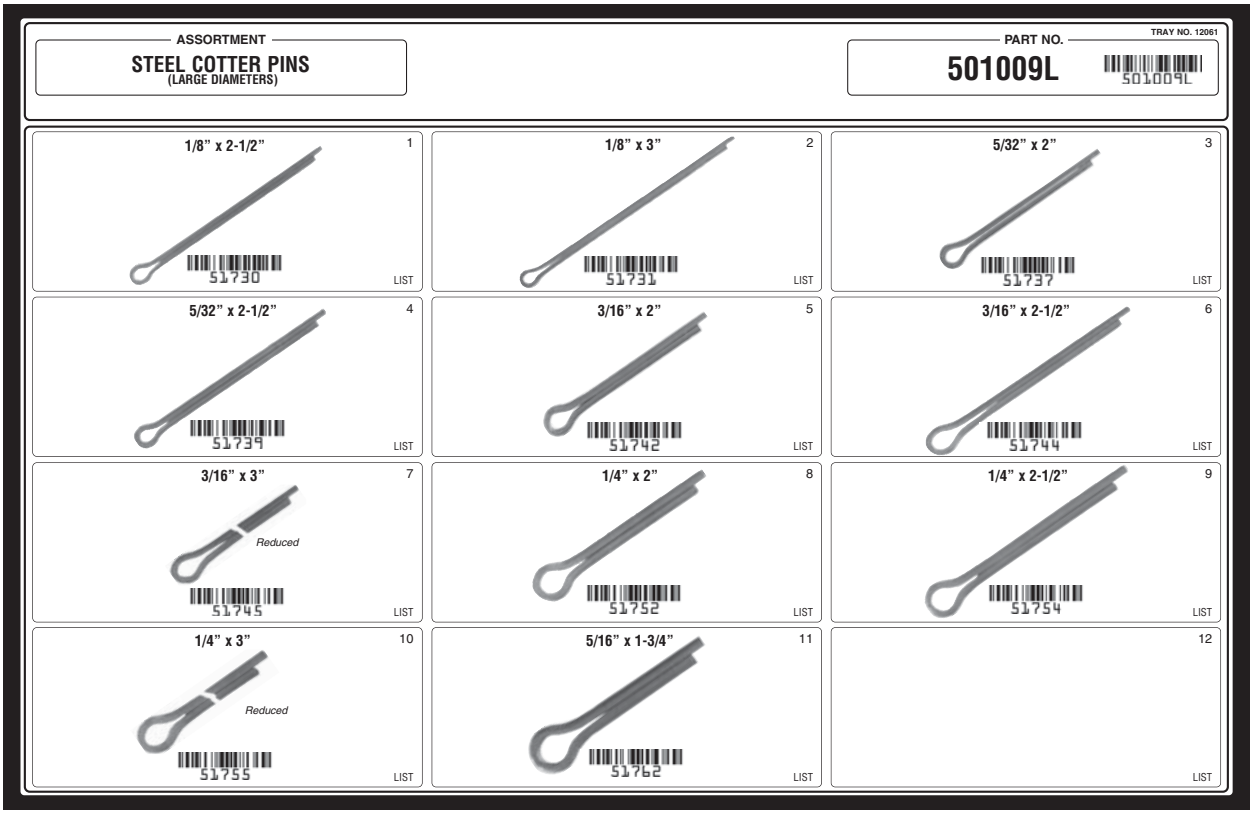
Part No. 501627 **412 PIECES • 30 ITEMS • 12062 TRAY** CATALOG SECTION A18



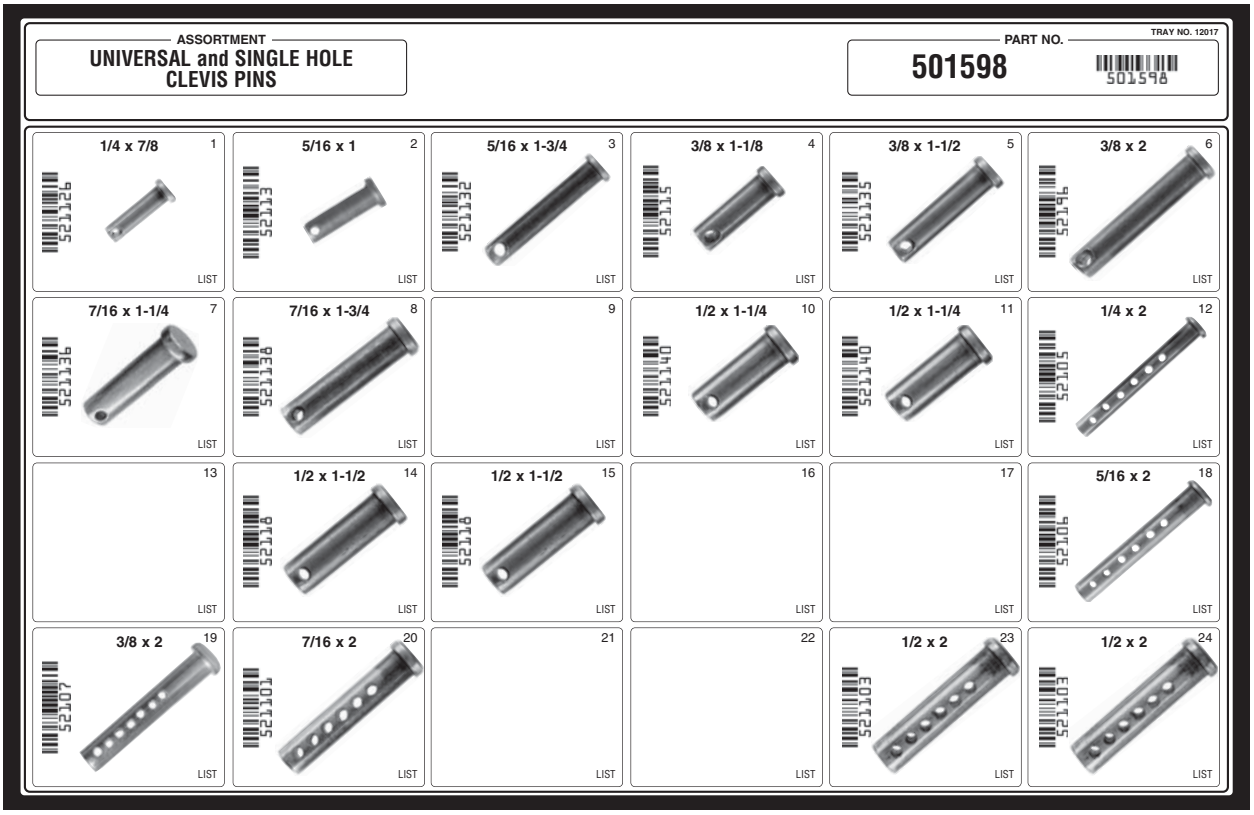
Part No. 501008L* **4265 PIECES • 23 ITEMS • 12017 TRAY** CATALOG SECTION A18

*Half quantities available, use "M" instead of "L"

TOP SELLING ASSORTMENTS

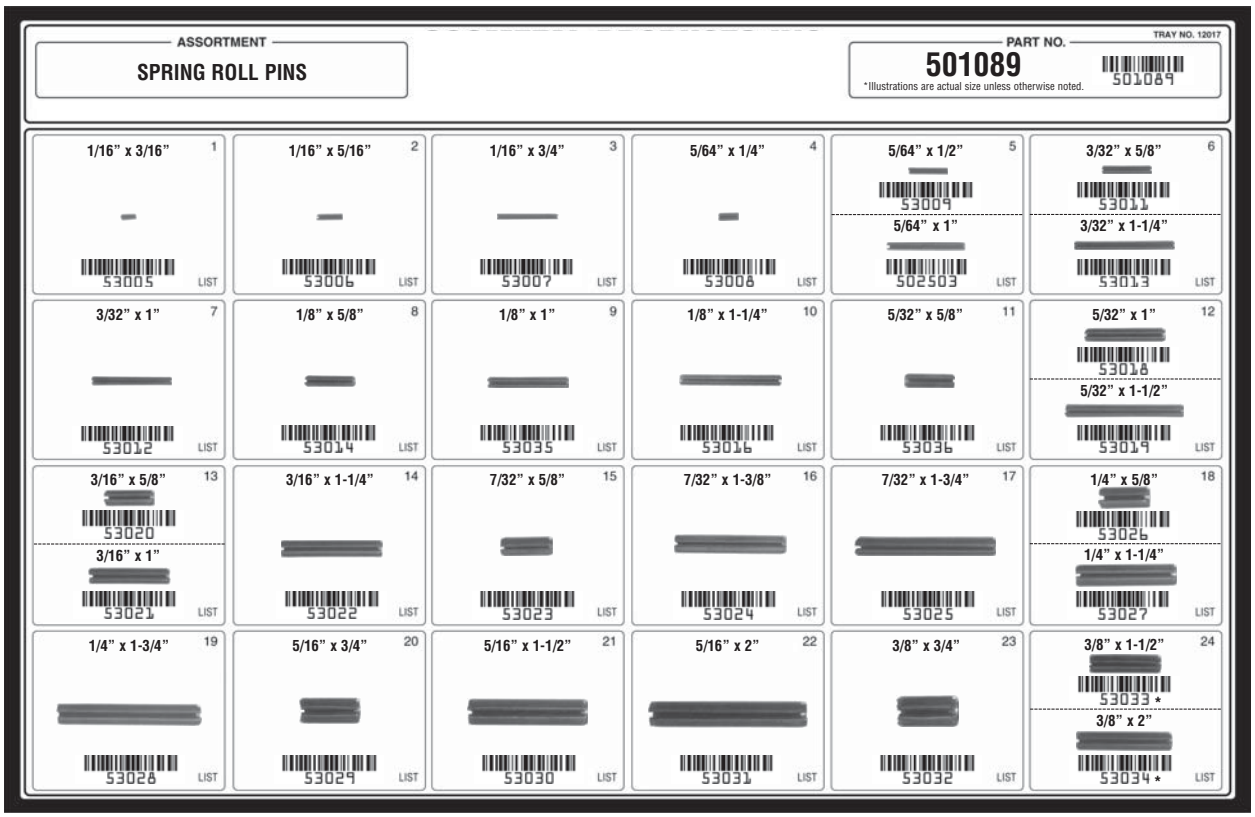


Part No. 501009L* **640 PIECES • 11 ITEMS • 12061 TRAY** CATALOG SECTION A18

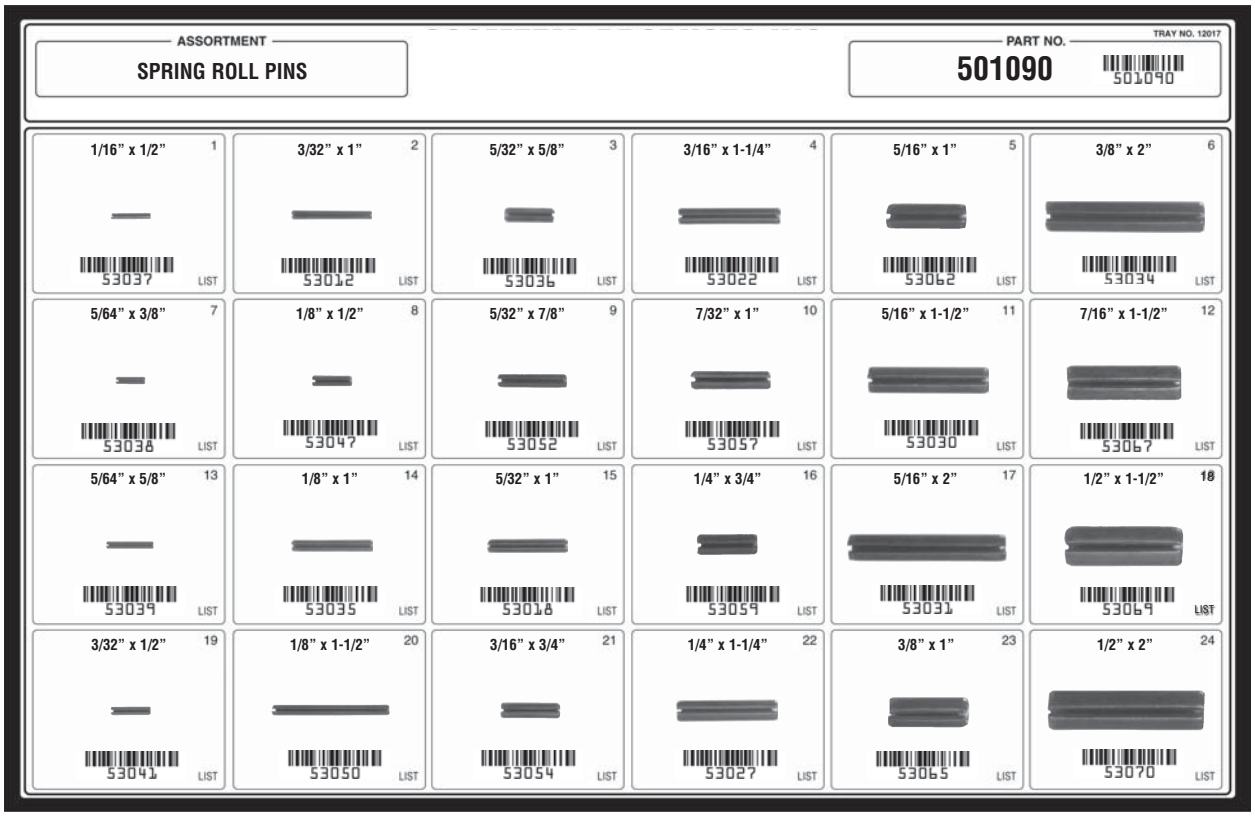


Part No. 501598 **150 PIECES • 15 ITEMS • 12017 TRAY** CATALOG SECTION A18

TOP SELLING ASSORTMENTS

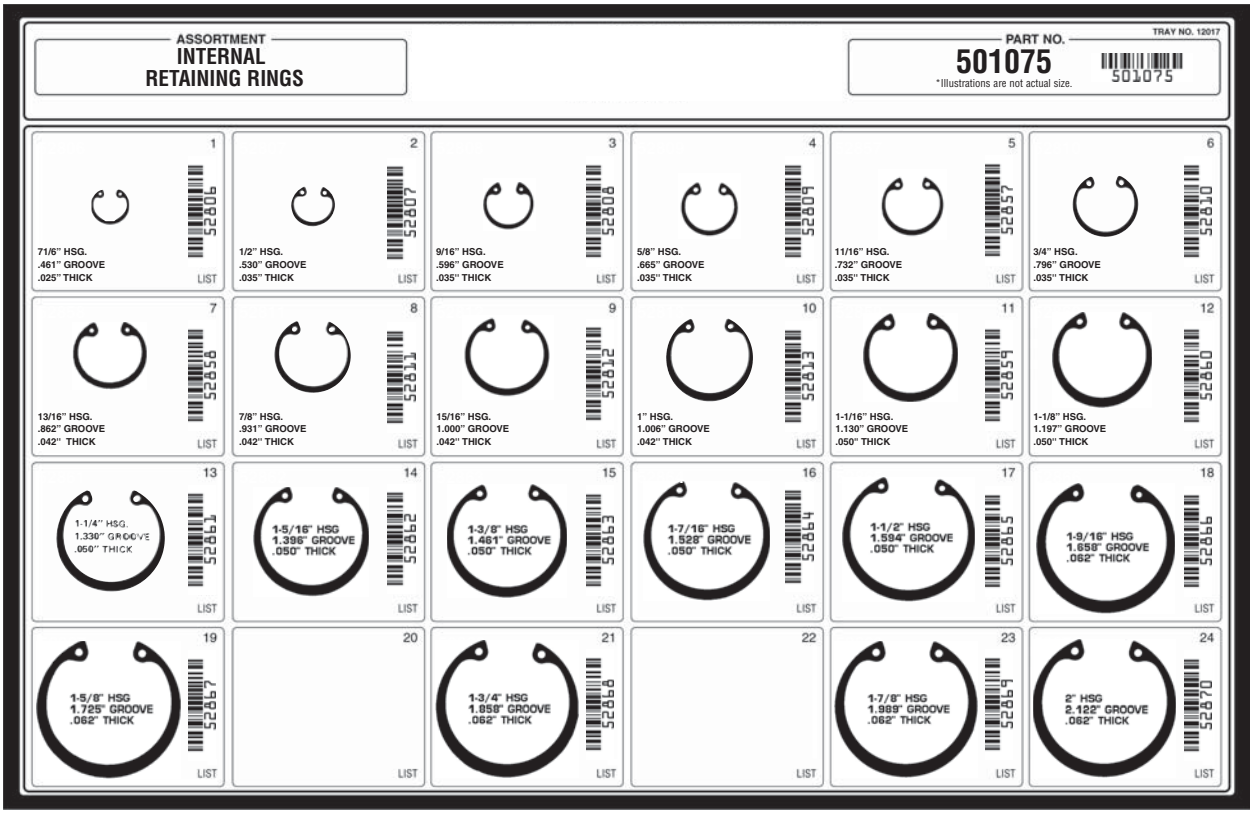


Part No. 501089 **570 PIECES • 30 ITEMS • 12017 TRAY** CATALOG SECTION A18

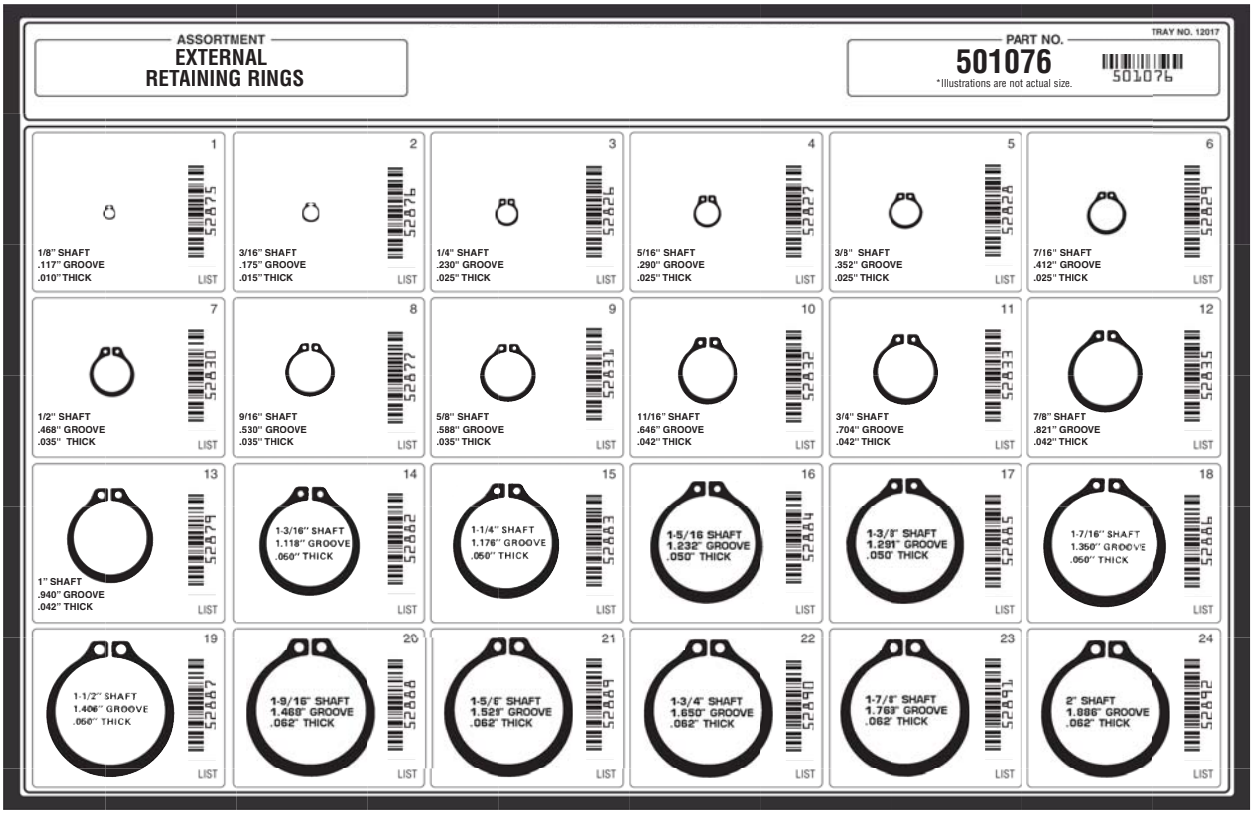


Part No. 501090 **440 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION A18

TOP SELLING ASSORTMENTS

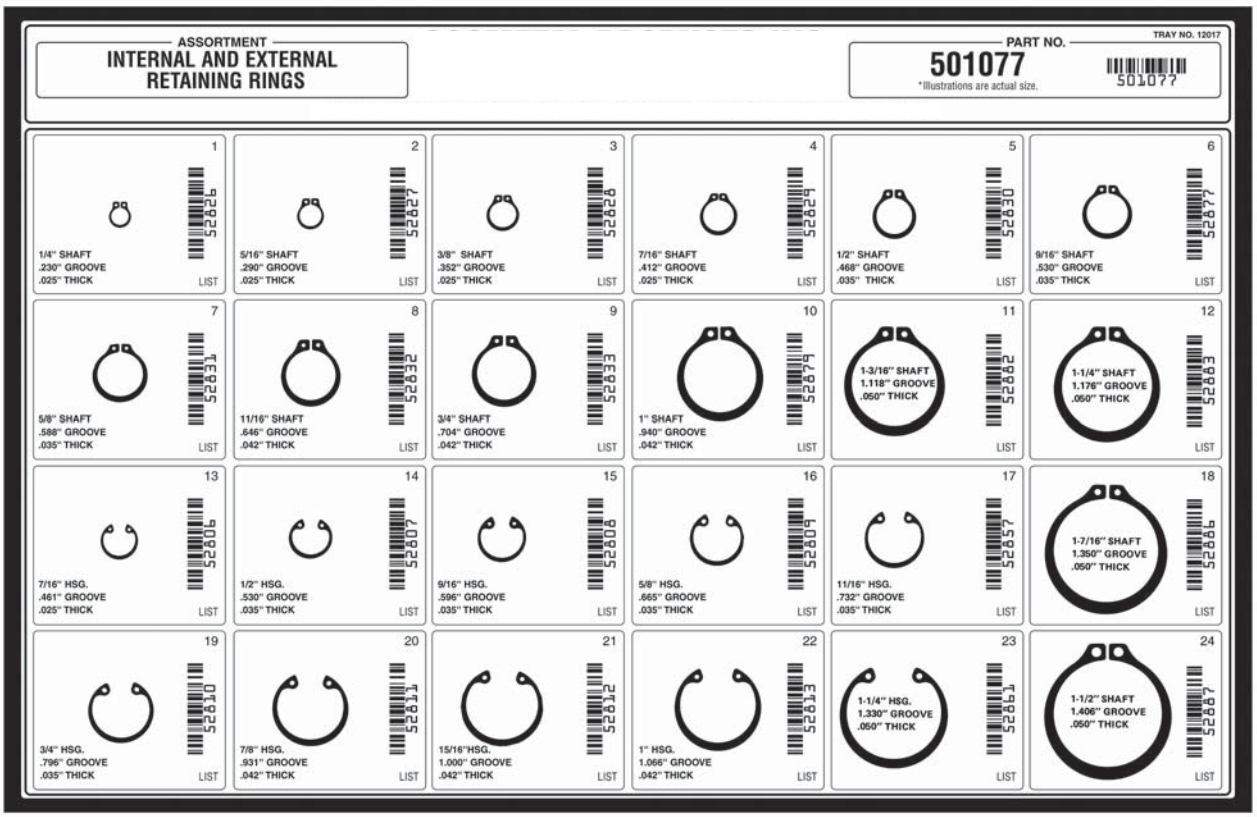


Part No. 501075 **330 PIECES • 22 ITEMS • 12017 TRAY** CATALOG SECTION A18

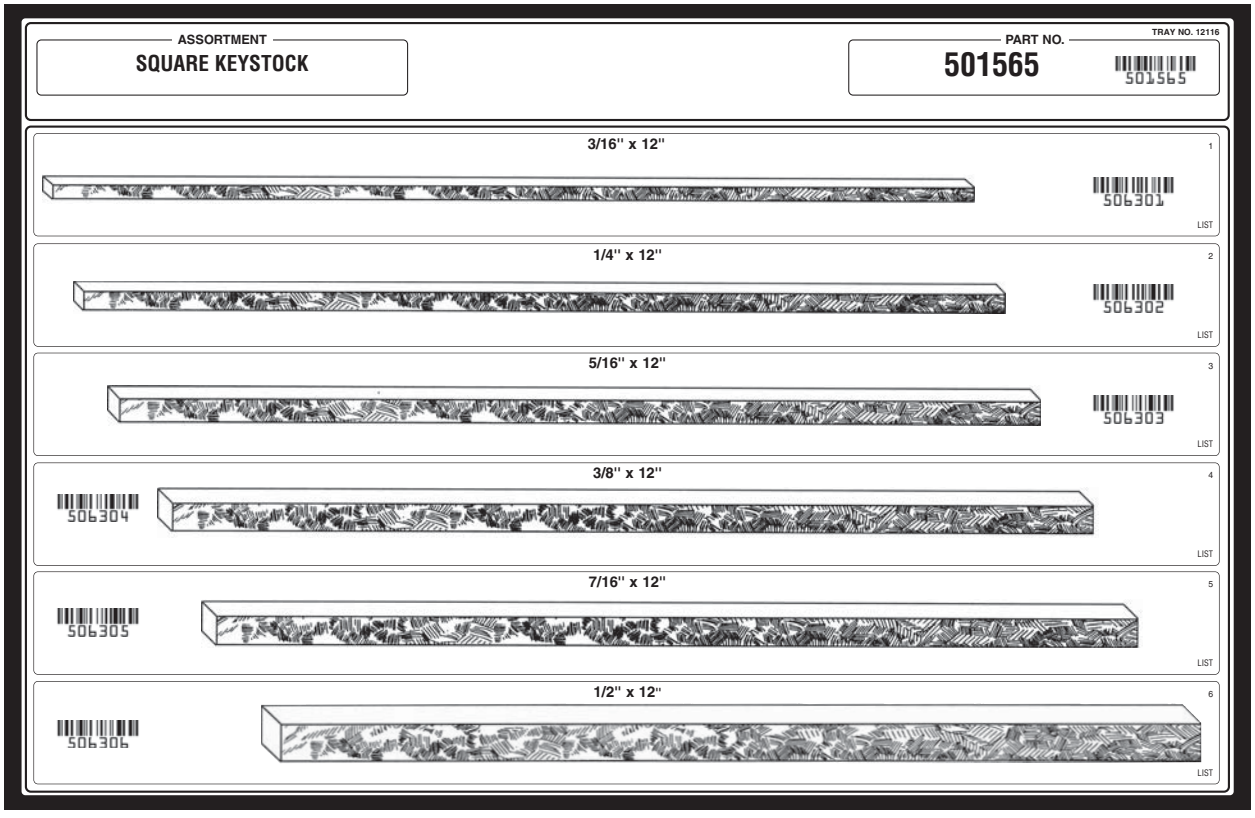


Part No. 501076 **410 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION A18

TOP SELLING ASSORTMENTS

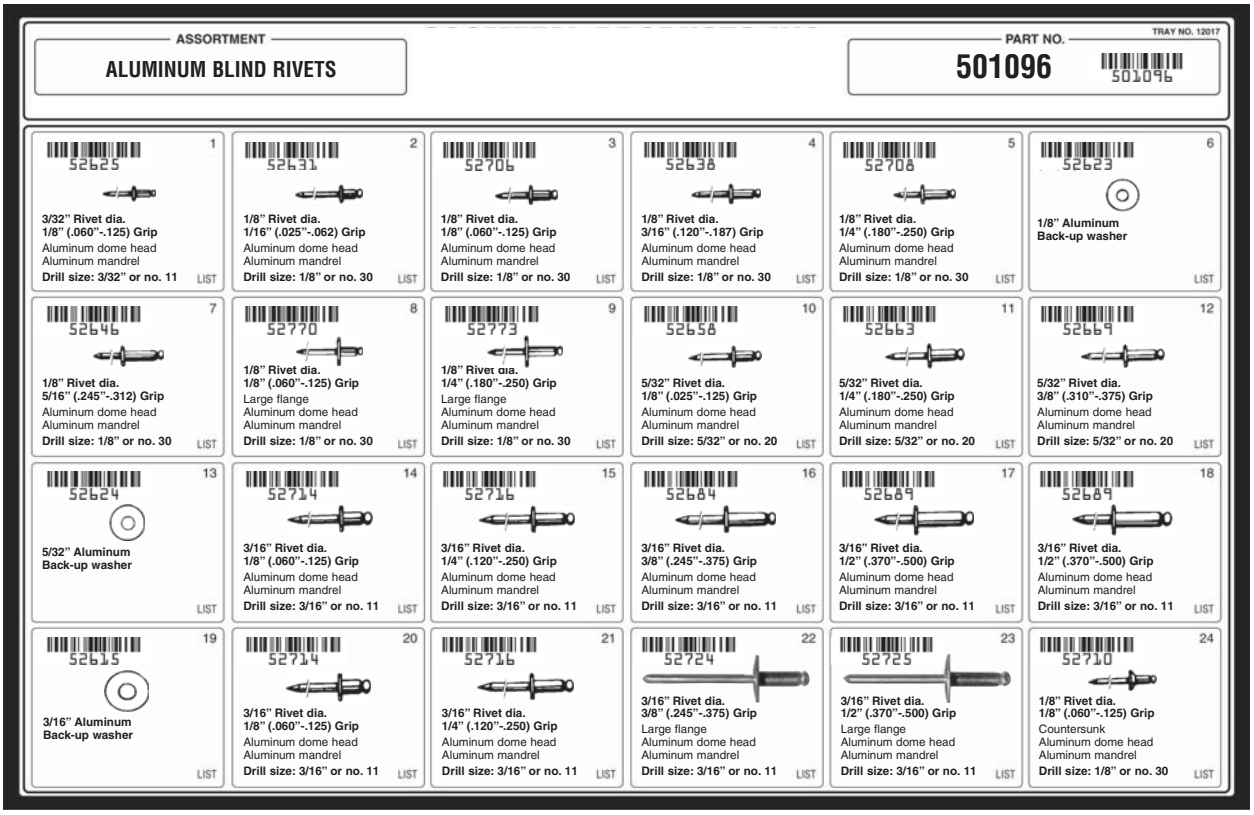


Part No. 501077 **364 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION **A18**

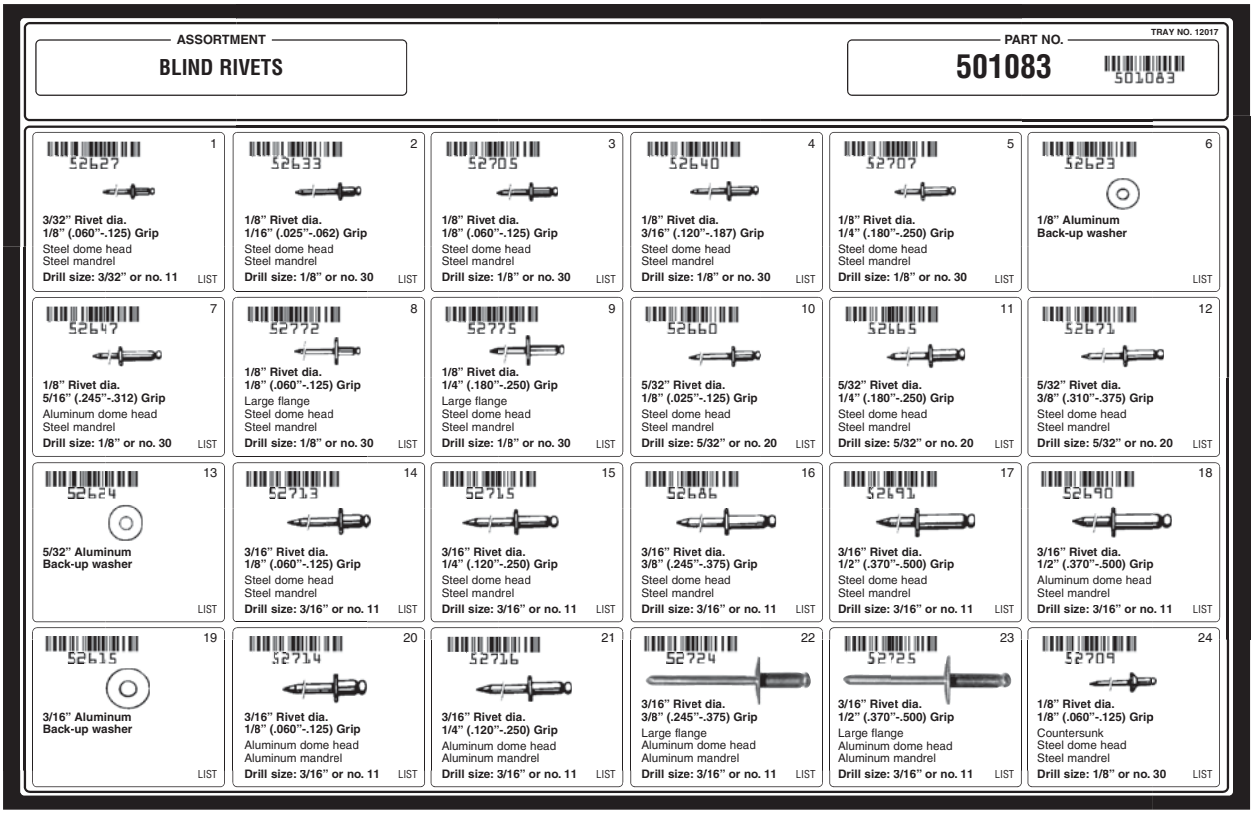


Part No. 501565 **28 PIECES • 6 ITEMS • 12116 TRAY** CATALOG SECTION **A18**

TOP SELLING ASSORTMENTS

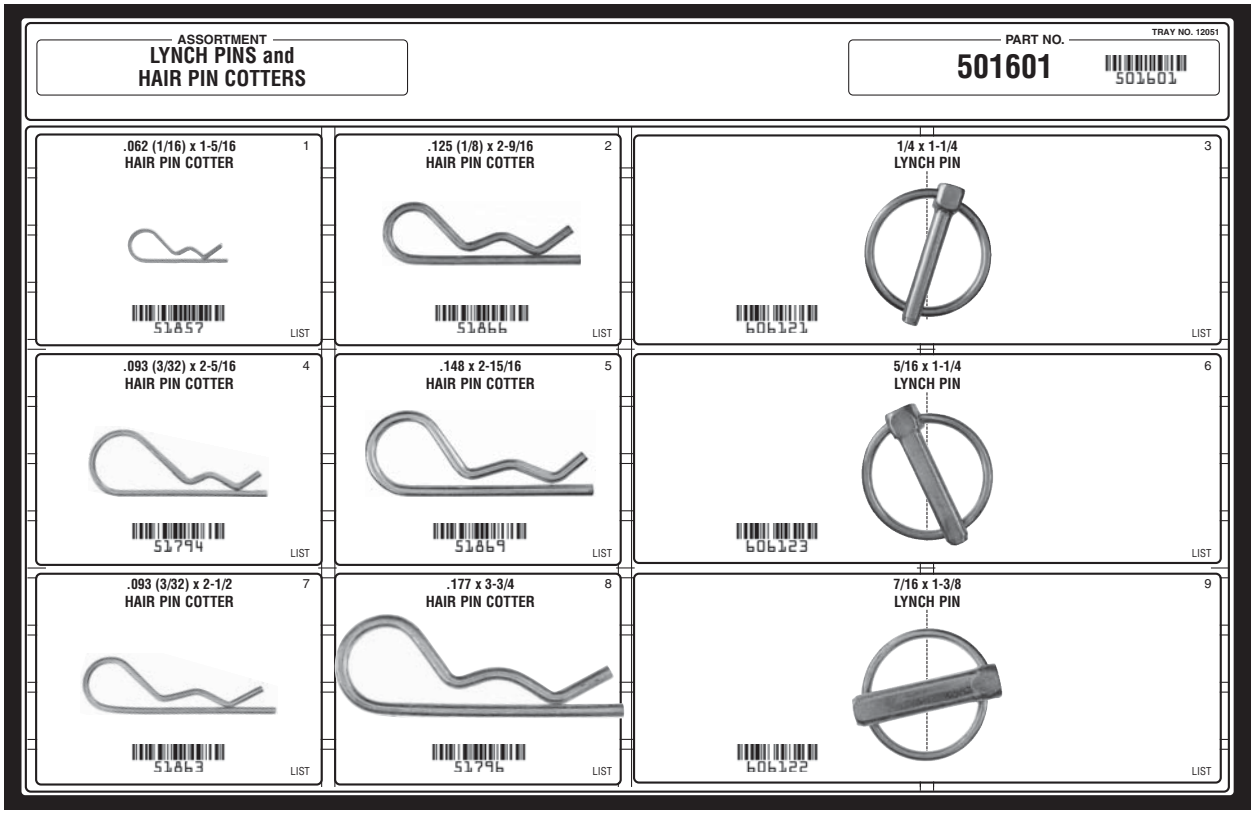


Part No. 501096 **935 PIECES • 21 ITEMS • 12017 TRAY** **CATALOG SECTION A19**

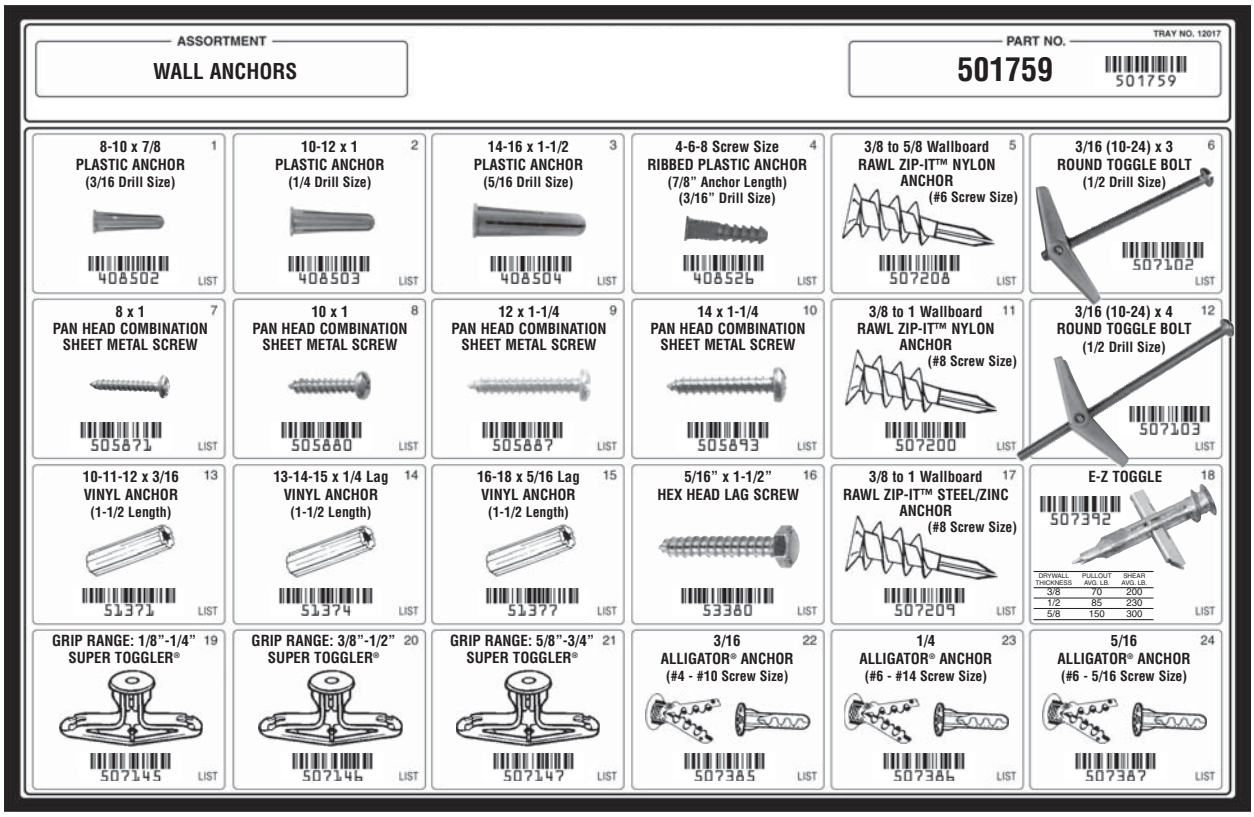


Part No. 501083 **935 PIECES • 24 ITEMS • 12017 TRAY** **CATALOG SECTION A19**

TOP SELLING ASSORTMENTS

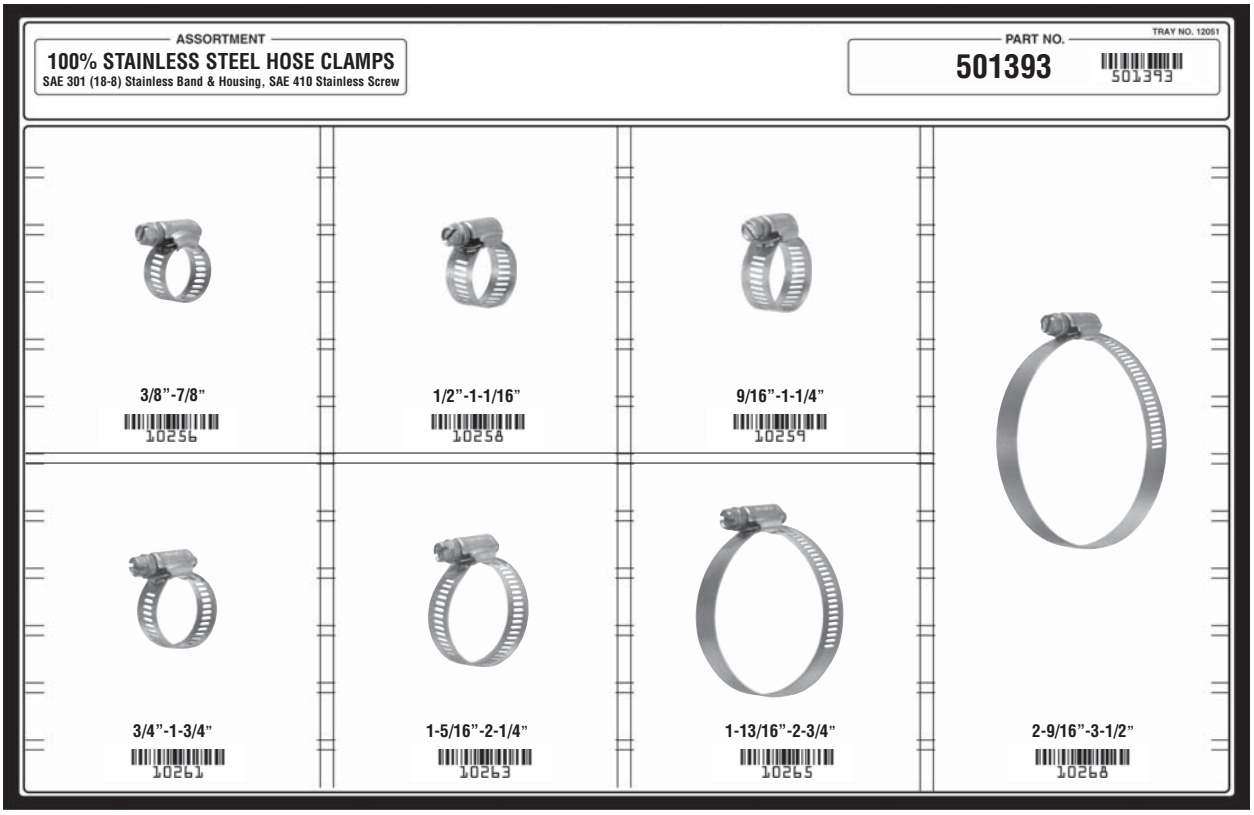


Part No. 501601 **150 PIECES • 9 ITEMS • 12051 TRAY** CATALOG SECTION A20

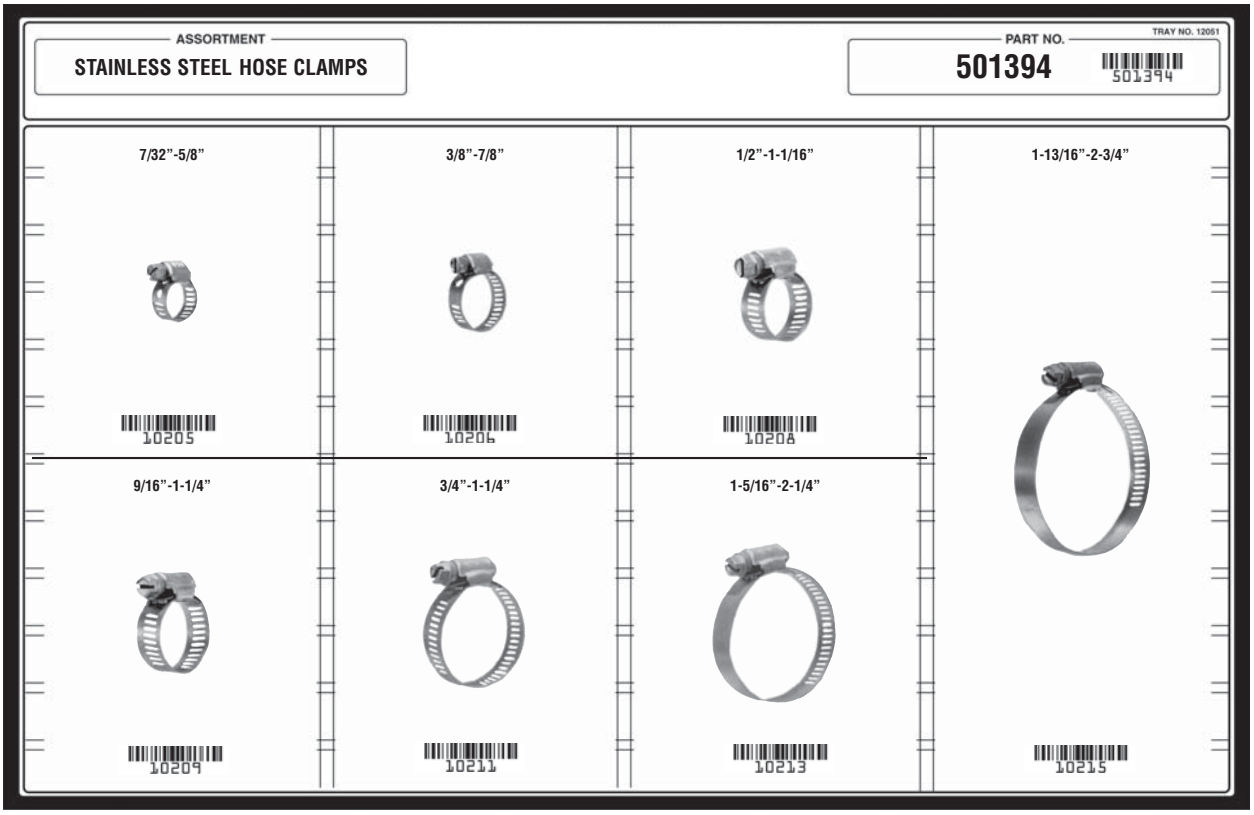


Part No. 501759 **600 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION A21

TOP SELLING ASSORTMENTS

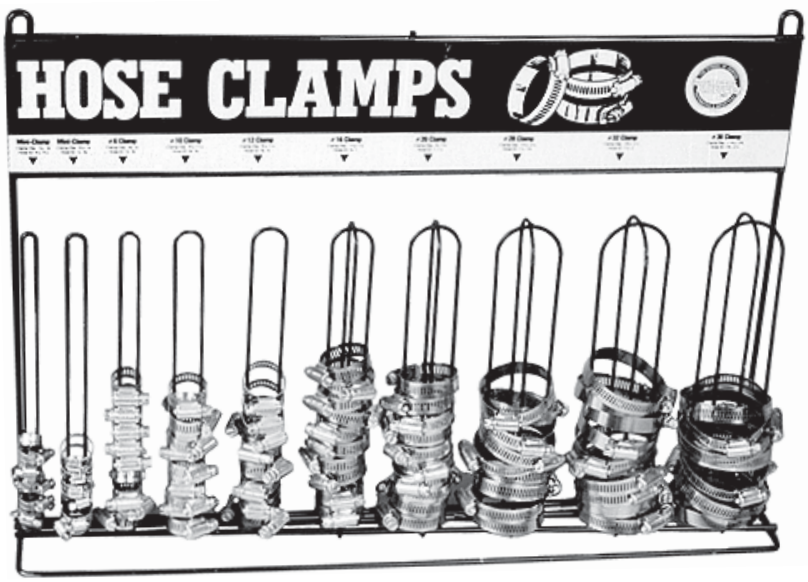


Part No. 501393 **67 PIECES • 7 ITEMS • 12051 TRAY** CATALOG SECTION B12



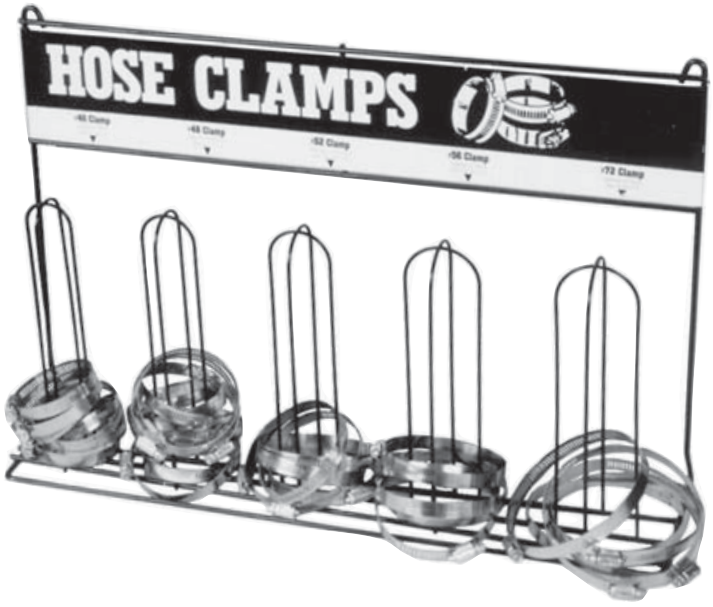
Part No. 501394 **126 PIECES • 7 ITEMS • 12051 TRAY** CATALOG SECTION B12

TOP SELLING ASSORTMENTS



- Standard Hose Clamps
- Most popular smaller sizes coverage.

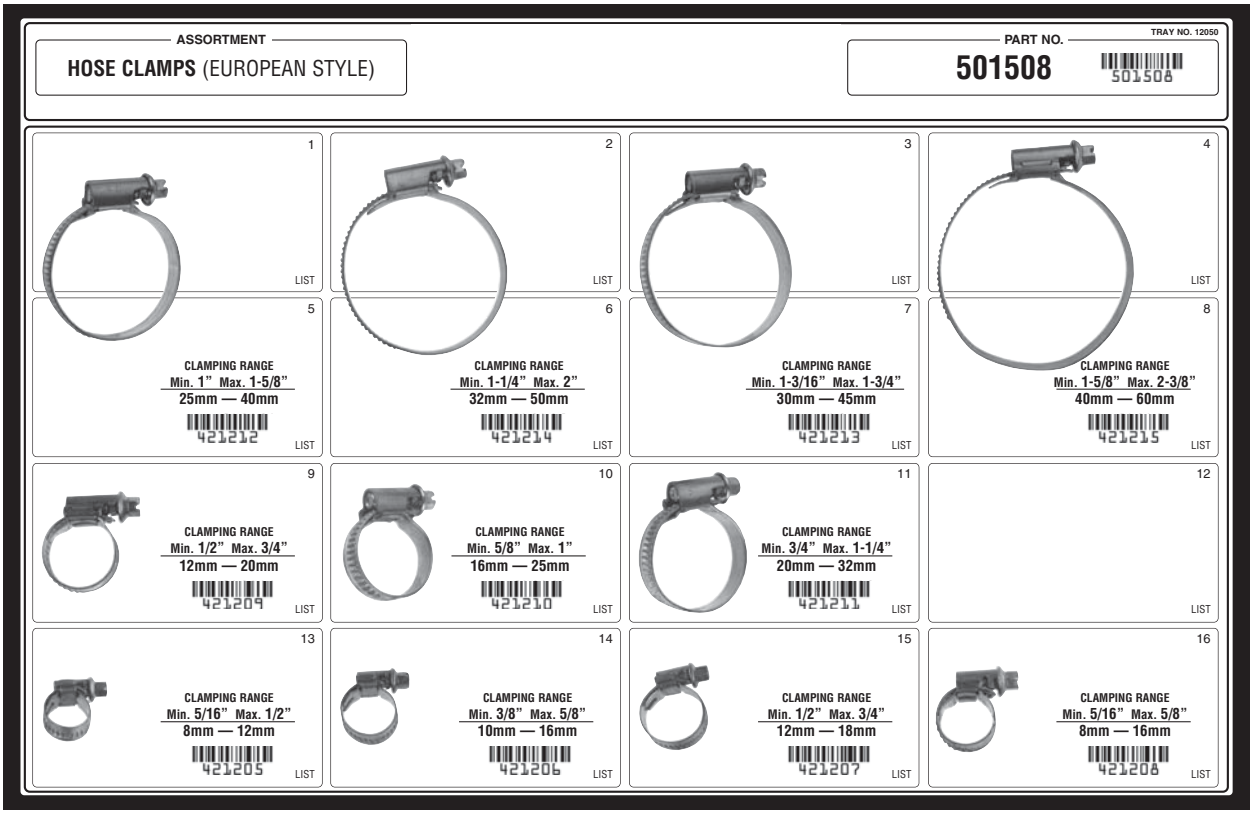
Part No. 10201 **100 PIECES • 10 ITEMS • 12124 RACK** CATALOG SECTION B12



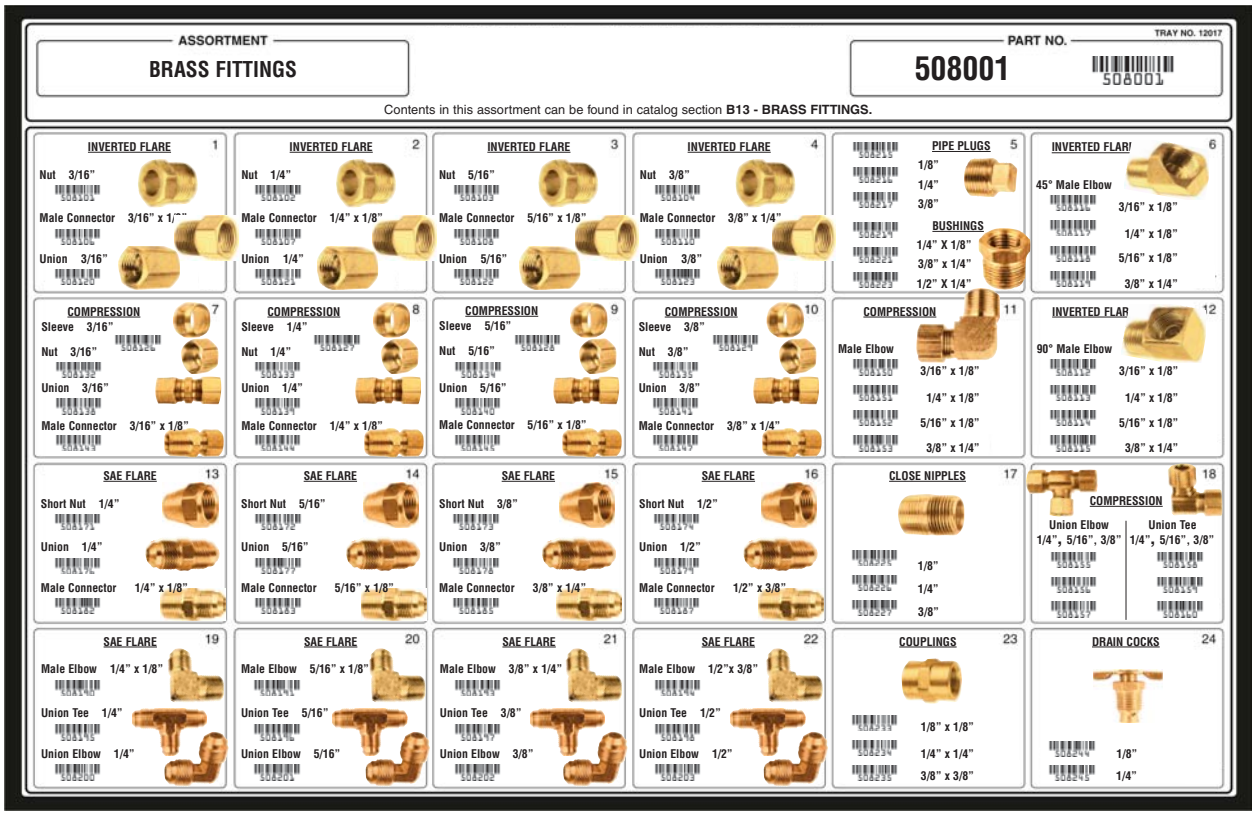
- Standard Hose Clamps
- Most popular larger sizes coverage.

Part No. 10203 **33 PIECES • 5 ITEMS • 12125 RACK** CATALOG SECTION B12

TOP SELLING ASSORTMENTS

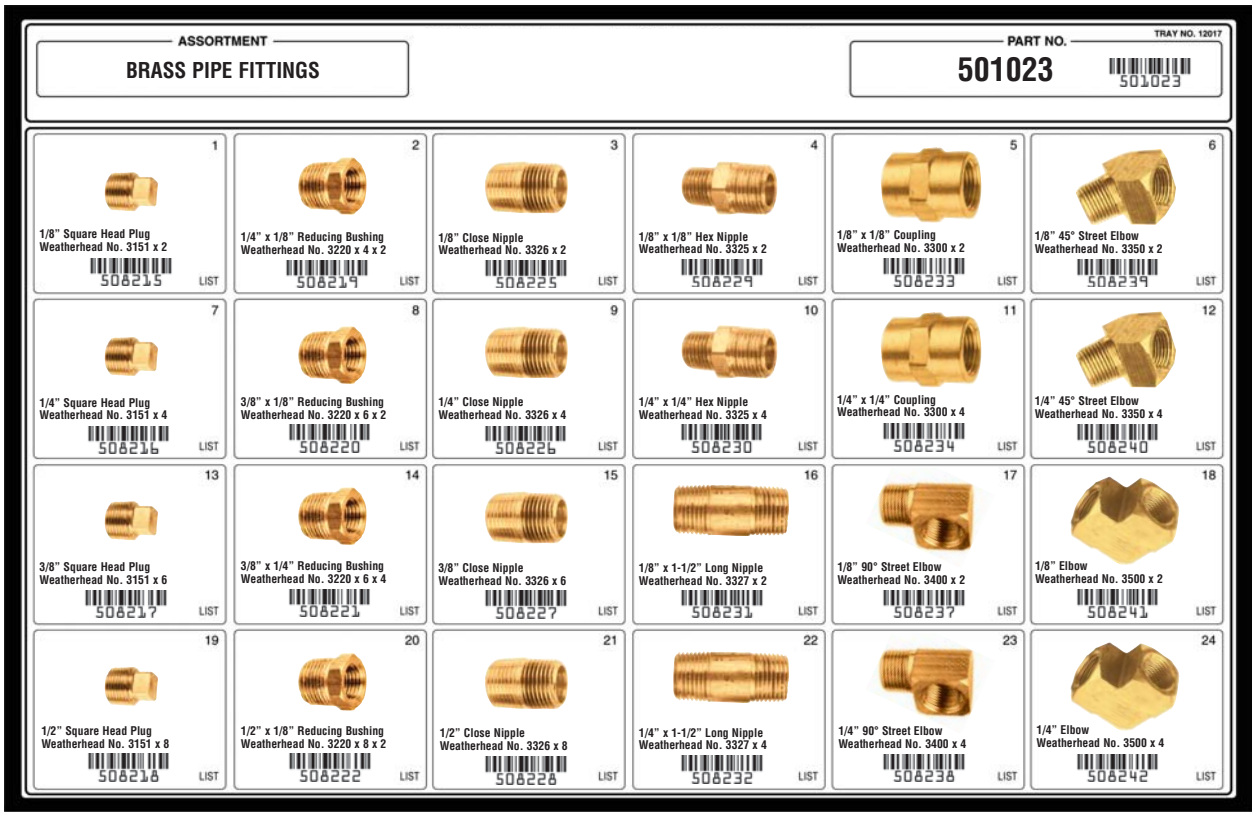


Part No. 501508 **62 PIECES • 11 ITEMS • 12050 TRAY** CATALOG SECTION B12

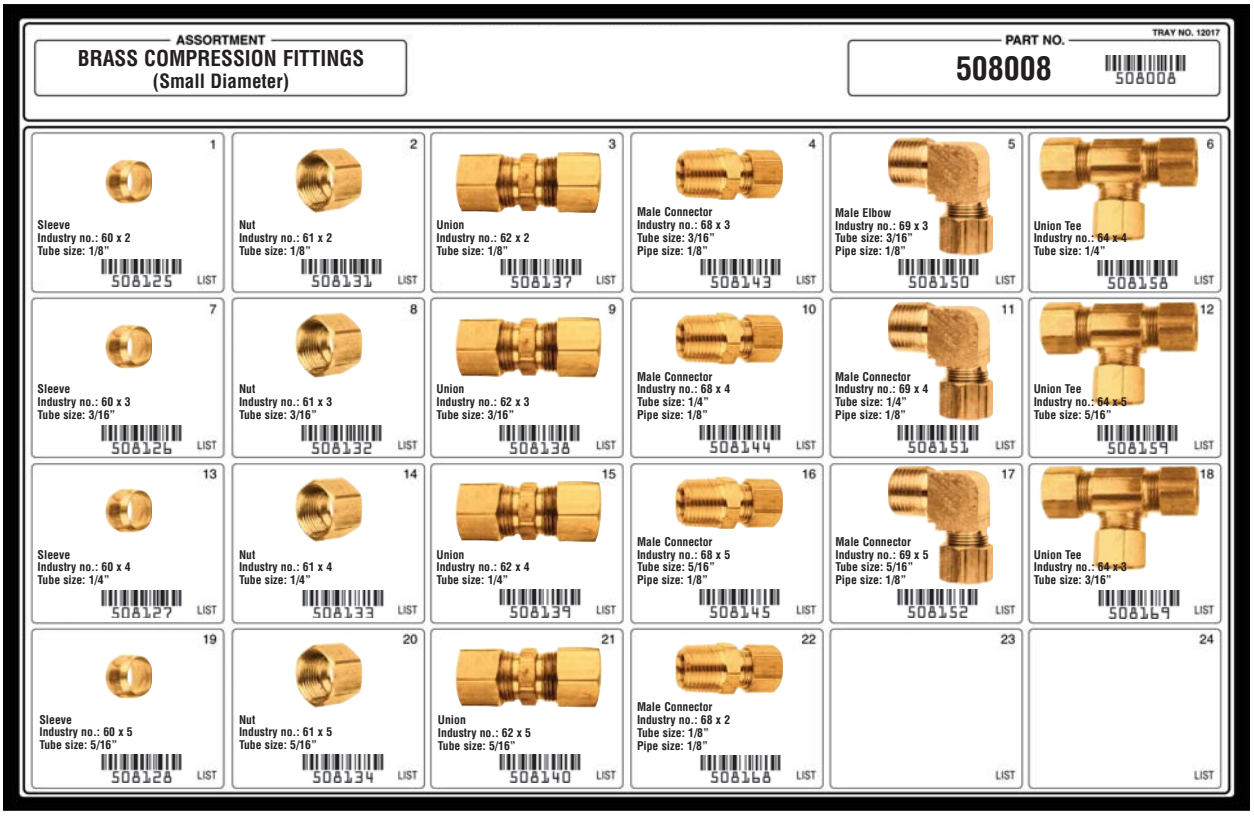


Part No. 508001 **226 PIECES • 84 ITEMS • 12017 TRAY** CATALOG SECTION B13

TOP SELLING ASSORTMENTS



Part No. 501023 **108 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION B13



Part No. 508008 **156 PIECES • 22 ITEMS • 12017 TRAY** CATALOG SECTION B13

TOP SELLING ASSORTMENTS

ASSORTMENT
BRASS COMPRESSION FITTINGS (Large Diameter)

PART NO. **508009** 508009

TRAY NO. 12050

1 Sleeve Industry no.: 60 x 6 Tube size: 3/8" 508129 LIST	2 Sleeve Industry no.: 60 x 7 Tube size: 7/16" 508800 LIST	3 Sleeve Industry no.: 60 x 8 Tube size: 1/2" 508130 LIST	4 Male Elbow Industry no.: 69 x 6 Tube size: 3/8" Pipe thread: 1/4" 508153 LIST
5 Nut Industry no.: 61 x 6 Tube size: 3/8" 508135 LIST	6 Nut Industry no.: 61 x 7 Tube size: 7/16" 508801 LIST	7 Nut Industry no.: 61 x 8 Tube size: 1/2" 508136 LIST	8 Male Elbow Industry no.: 69 x 8 Tube size: 1/2" Pipe thread: 3/8" 508154 LIST
9 Union Industry no.: 62 x 6 Tube size: 3/8" 508141 LIST	10 Union Industry no.: 62 x 8 Tube size: 1/2" 508142 LIST	11 LIST	12 Union Tee Industry no.: 64 x 6 Tube size: 3/8" 508160 LIST
13 Male Connector Industry no.: 68 x 6 Tube size: 3/8" Pipe thread: 1/4" 508147 LIST	14 Male Connector Industry no.: 68 x 6 x 6 Tube size: 3/8" Pipe thread: 3/8" 508811 LIST	15 Male Connector Industry no.: 68 x 8 Tube size: 1/2" Pipe thread: 3/8" 508149 LIST	16 Union Tee Industry no.: 64 x 8 Tube size: 1/2" 508806 LIST

Part No. 508009 **119 PIECES • 15 ITEMS • 12050 TRAY** **CATALOG SECTION B13**

ASSORTMENT
BRASS COMPRESSION FITTINGS (Small & Large)

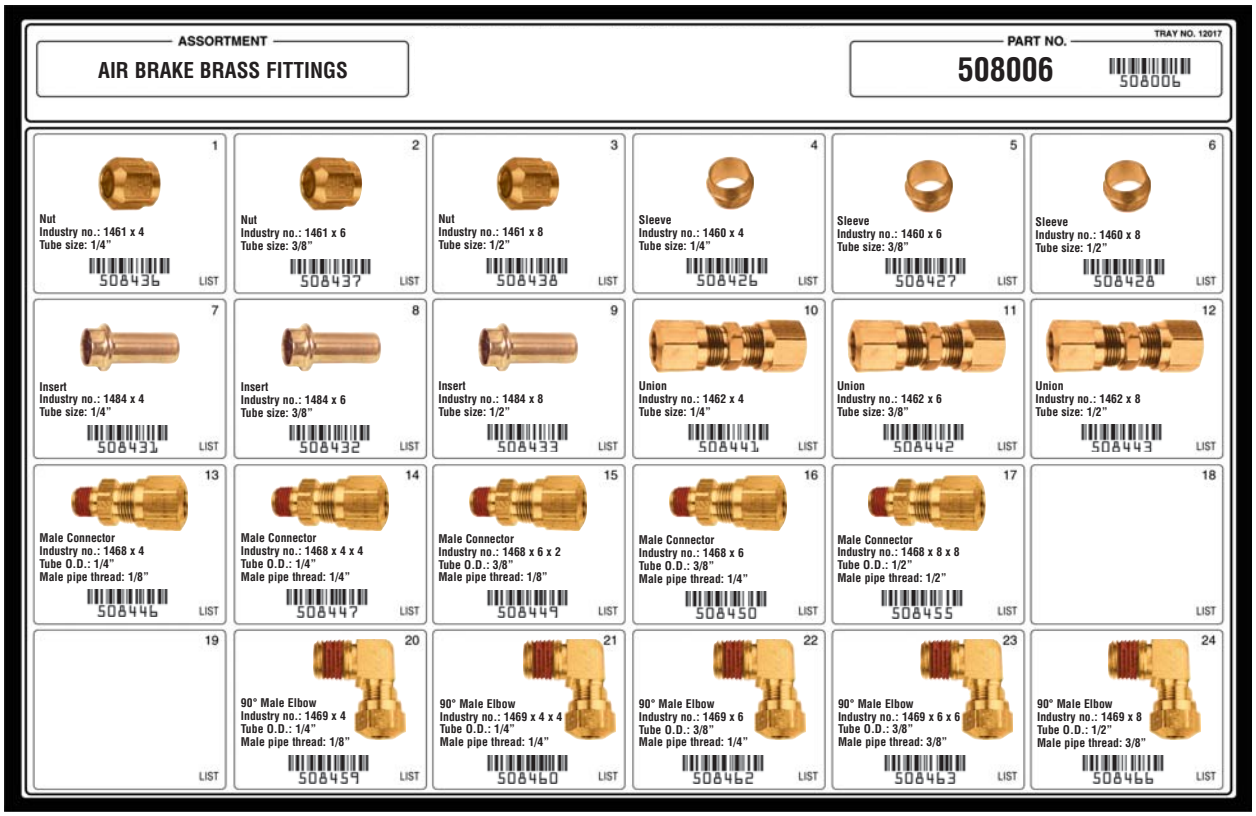
PART NO. **501019** 501019

TRAY NO. 12062

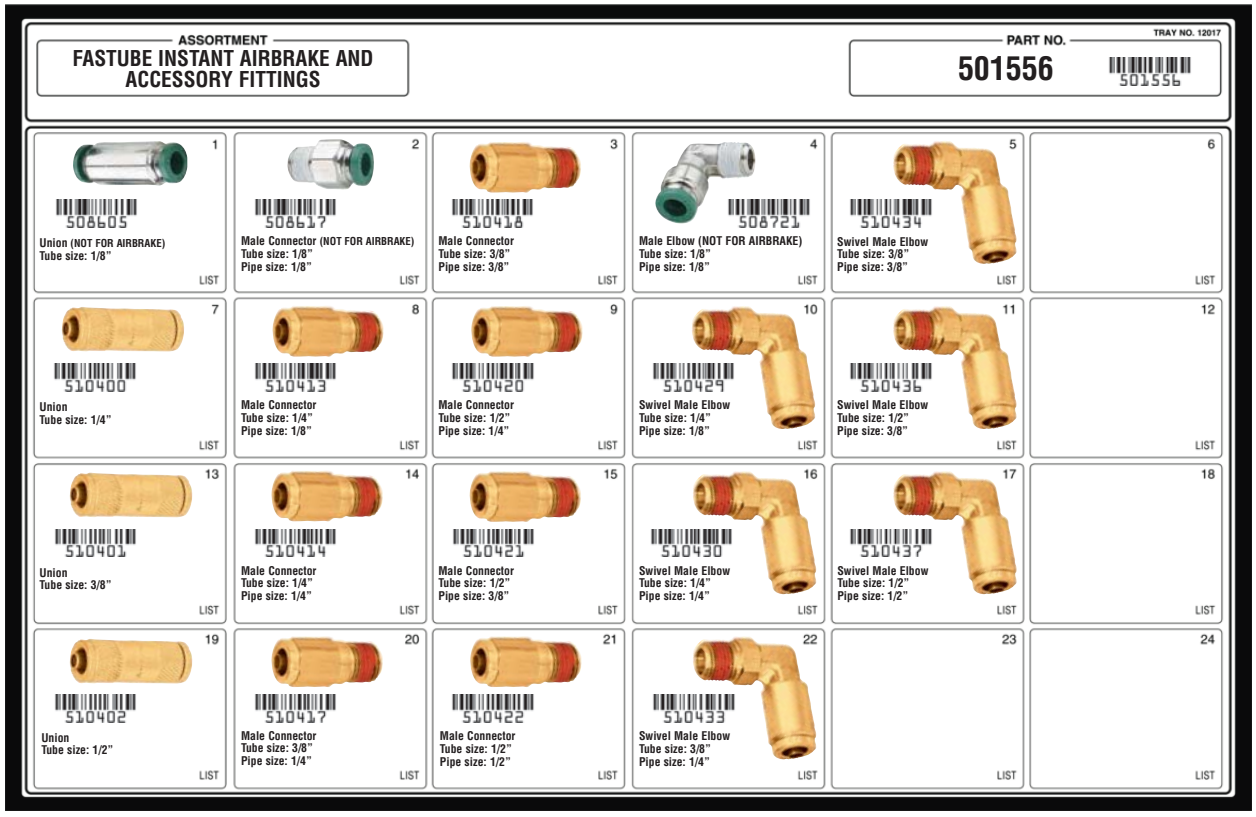
1 Sleeve Industry no.: 60 x 2 Tube size: 1/8" 508125 LIST	2 Sleeve Industry no.: 60 x 6 Tube size: 3/8" 508129 LIST	3 Nut Industry no.: 61 x 3 Tube size: 3/16" 508132 LIST	4 Nut Industry no.: 61 x 8 Tube size: 1/2" 508136 LIST	5 Union Industry no.: 62 x 4 Tube size: 1/4" 508139 LIST	6 Male Connector Industry no.: 68 x 3 Tube size: 3/16" Pipe thread: 1/8" 508143 LIST	7 Male Connector Industry no.: 68 x 8 Tube size: 1/2" Pipe thread: 3/8" 508149 LIST	8 Male Elbow Industry no.: 69 x 6 Tube size: 3/8" Pipe thread: 1/4" 508153 LIST
9 Sleeve Industry no.: 60 x 3 Tube size: 3/16" 508126 LIST	10 Sleeve Industry no.: 60 x 8 Tube size: 1/2" 508130 LIST	11 Nut Industry no.: 61 x 4 Tube size: 1/4" 508133 LIST	12 Nut Industry no.: 61 x 7 Tube size: 7/16" 508801 LIST	13 Union Industry no.: 62 x 5 Tube size: 5/16" 508140 LIST	14 Male Connector Industry no.: 68 x 4 Tube size: 1/4" Pipe thread: 1/8" 508144 LIST	15 Male Elbow Industry no.: 69 x 3 Tube size: 3/16" Pipe thread: 1/8" 508150 LIST	16 Male Elbow Industry no.: 69 x 8 Tube size: 1/2" Pipe thread: 3/8" 508154 LIST
17 Sleeve Industry no.: 60 x 4 Tube size: 1/4" 508127 LIST	18 Sleeve Industry no.: 60 x 7 Tube size: 7/16" 508800 LIST	19 Nut Industry no.: 61 x 5 Tube size: 5/16" 508134 LIST	20 Union Industry no.: 62 x 2 Tube size: 1/8" 508137 LIST	21 Union Industry no.: 62 x 6 Tube size: 3/8" 508141 LIST	22 Male Connector Industry no.: 68 x 5 Tube size: 5/16" Pipe thread: 1/8" 508145 LIST	23 Male Elbow Industry no.: 69 x 4 Tube size: 1/4" Pipe thread: 1/8" 508151 LIST	24 Union Tee Industry no.: 64 x 5 Tube size: 5/16" 508159 LIST
25 Sleeve Industry no.: 60 x 5 Tube size: 5/16" 508128 LIST	26 Nut Industry no.: 61 x 2 Tube size: 1/8" 508131 LIST	27 Nut Industry no.: 61 x 6 Tube size: 3/8" 508135 LIST	28 Union Industry no.: 62 x 3 Tube size: 3/16" 508138 LIST	29 Union Industry no.: 62 x 8 Tube size: 1/2" 508142 LIST	30 Male Connector Industry no.: 68 x 6 Tube size: 3/8" Pipe thread: 1/4" 508147 LIST	31 Male Elbow Industry no.: 69 x 5 Tube size: 5/16" Pipe thread: 1/8" 508152 LIST	32 Union Tee Industry no.: 64 x 6 Tube size: 3/8" 508160 LIST

Part No. 501019 **164 PIECES • 32 ITEMS • 12062 TRAY** **CATALOG SECTION B13**

TOP SELLING ASSORTMENTS

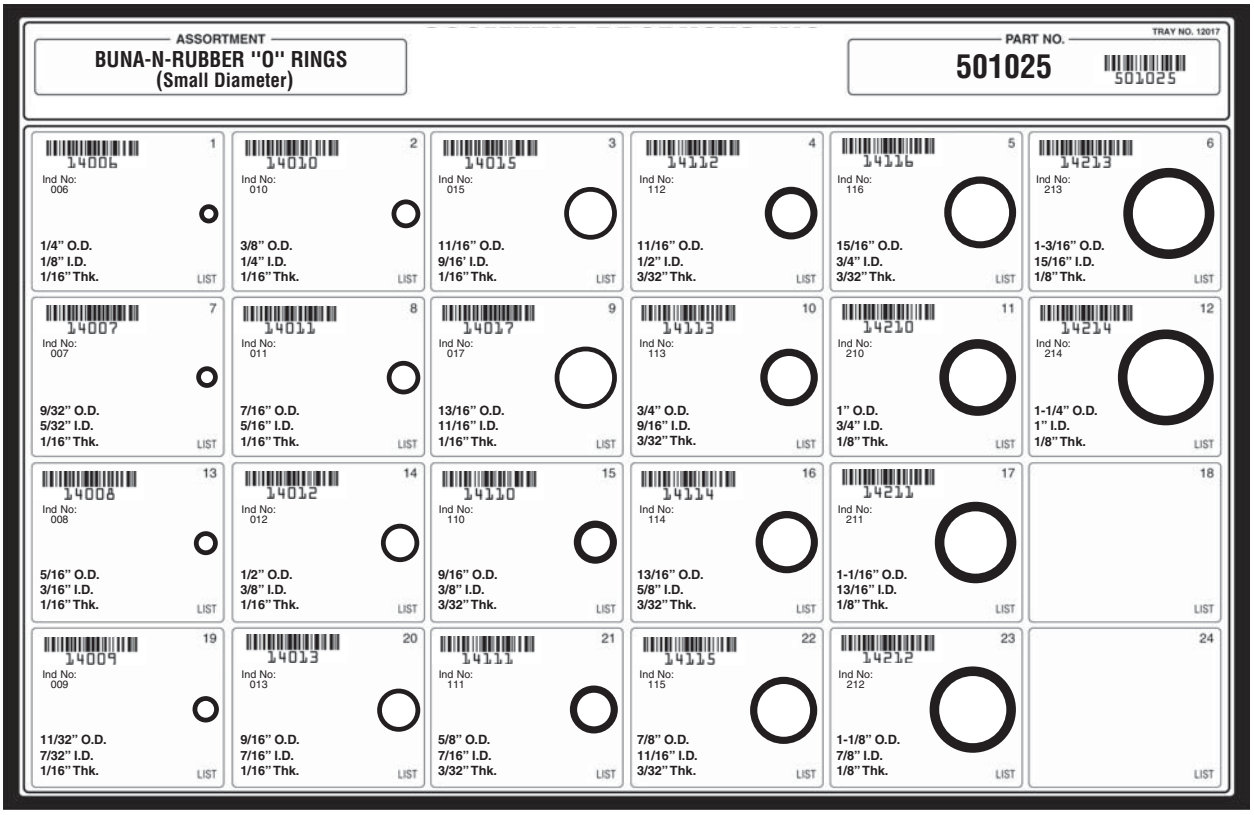


Part No. 508006 **76 PIECES • 22 ITEMS • 12017 TRAY** CATALOG SECTION B13

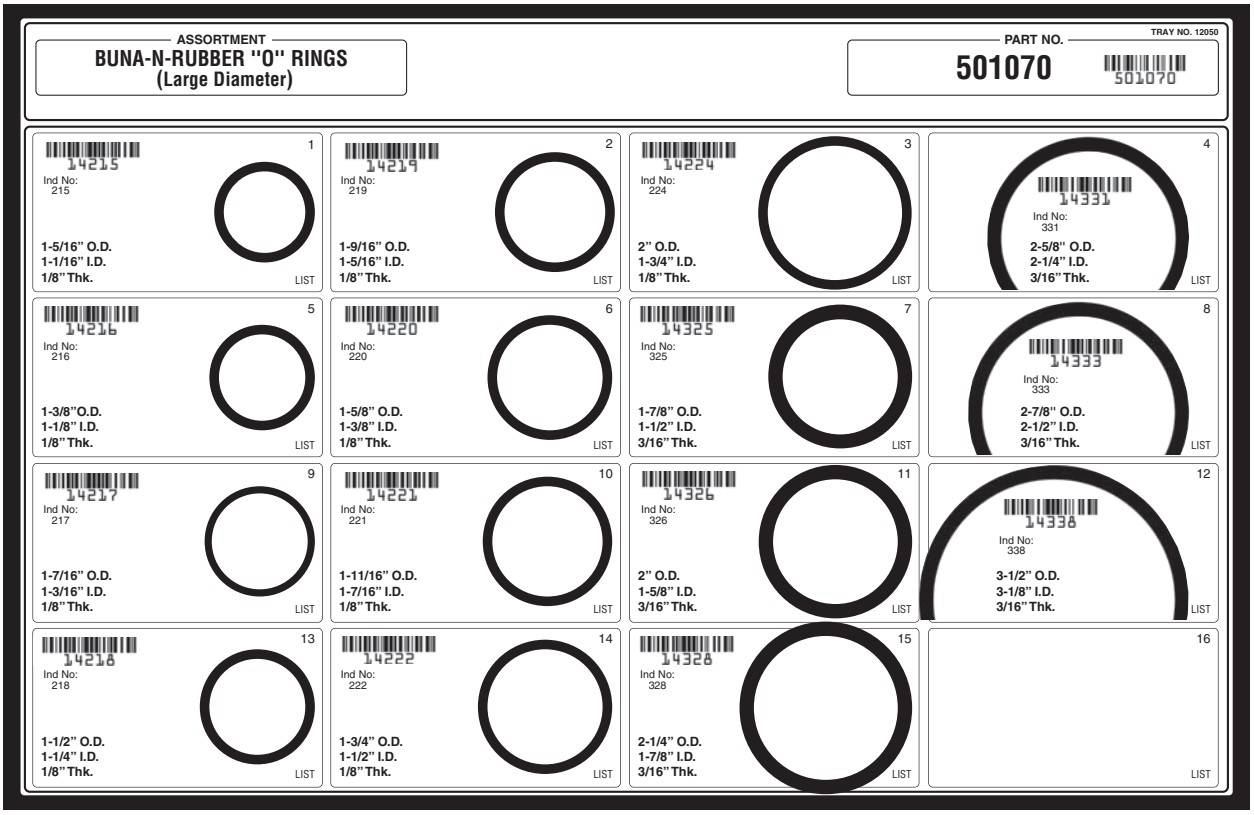


Part No. 501556 **38 PIECES • 19 ITEMS • 12017 TRAY** CATALOG SECTION B13

TOP SELLING ASSORTMENTS

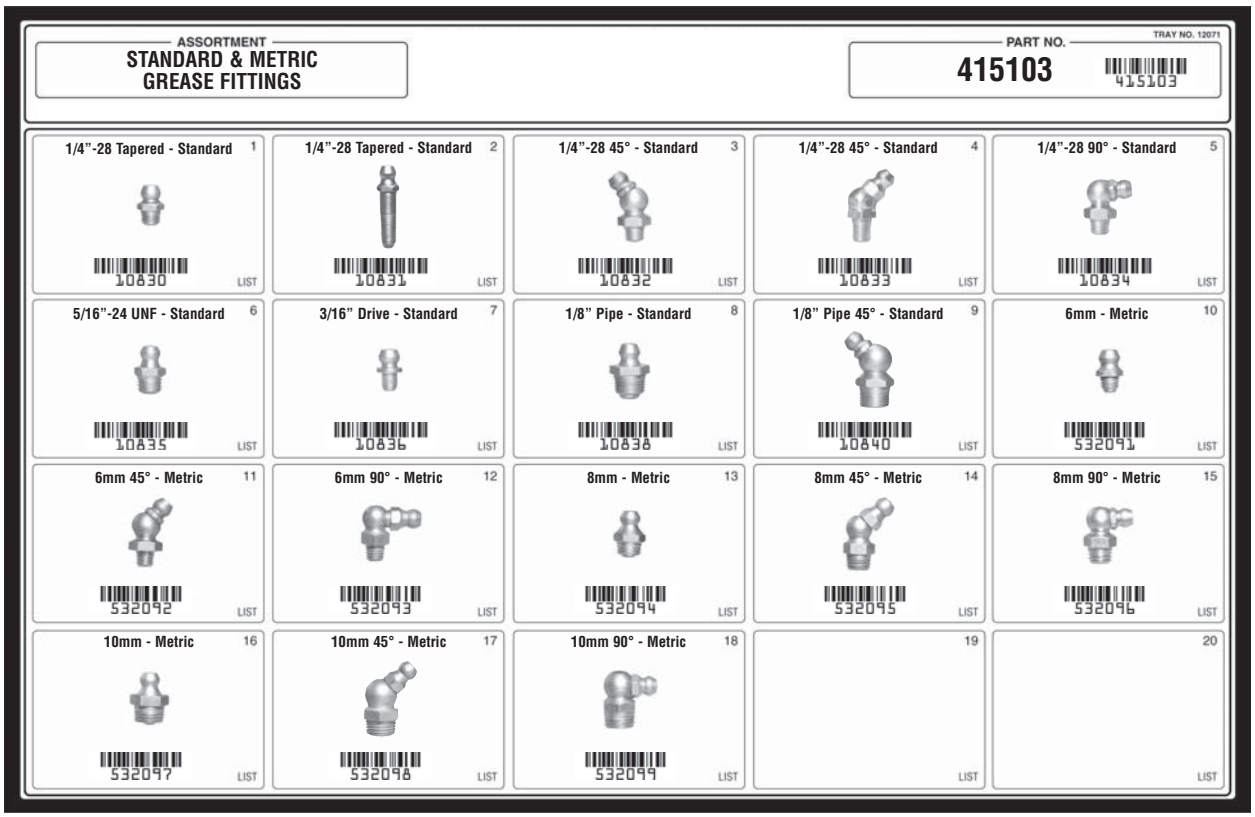


Part No. 501025 **284 PIECES • 22 ITEMS • 12017 TRAY** **CATALOG SECTION B14**

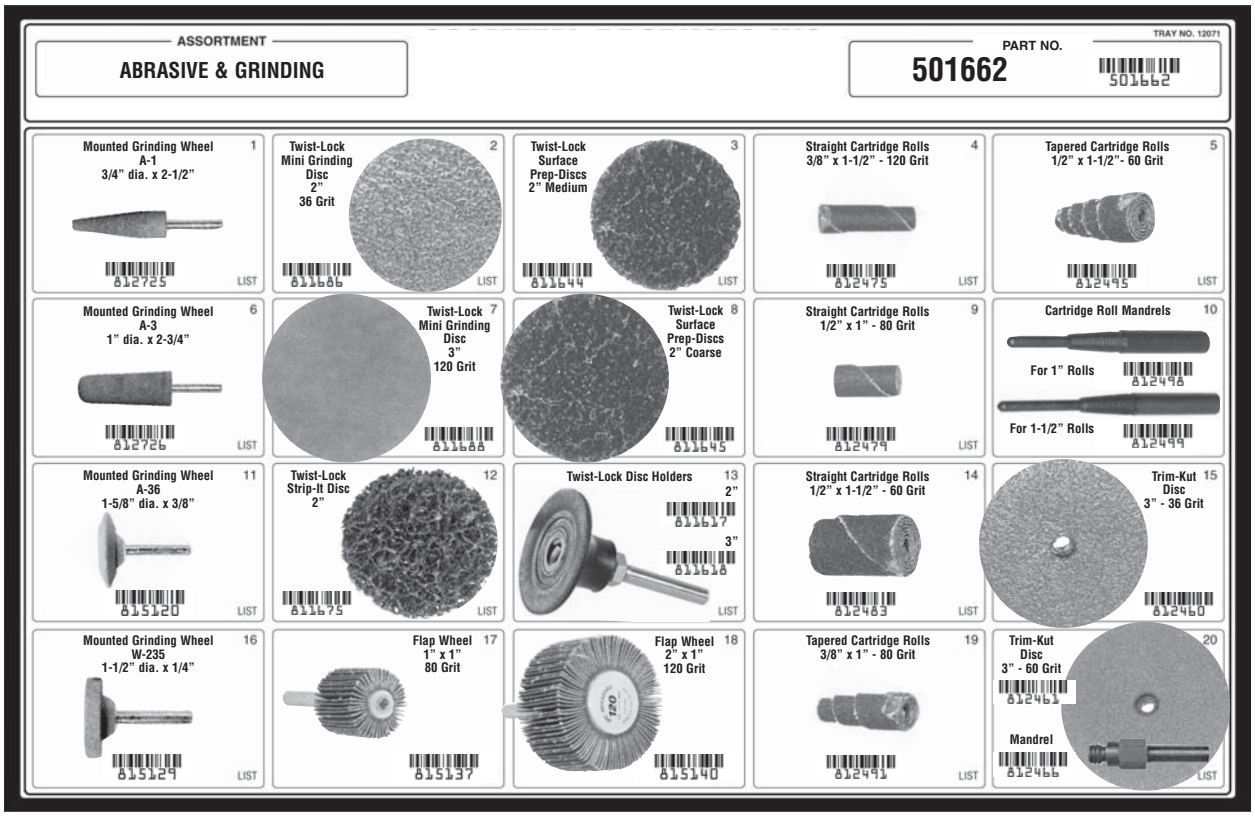


Part No. 501070 **60 PIECES • 15 ITEMS • 12050 TRAY** **CATALOG SECTION B14**

TOP SELLING ASSORTMENTS

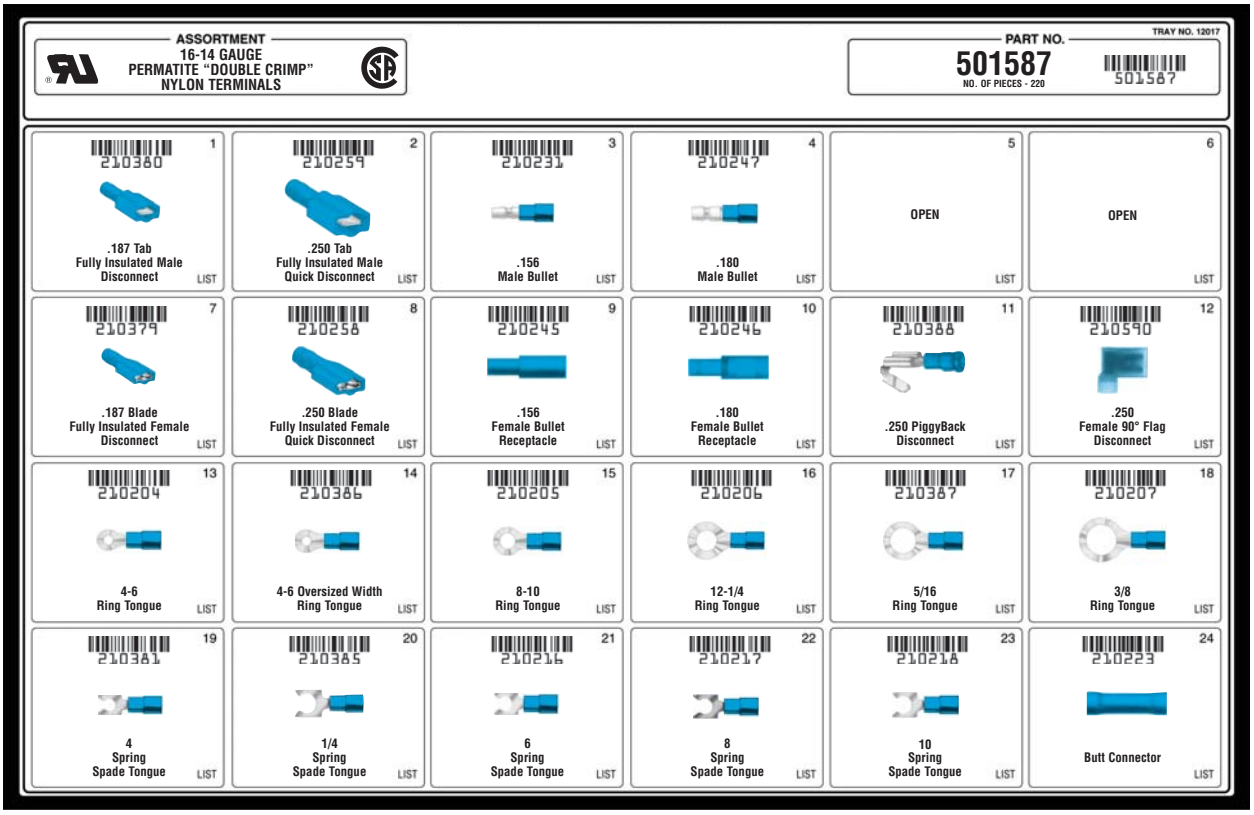


Part No. 415103 **400 PIECES • 18 ITEMS • 12071 TRAY** CATALOG SECTION B15

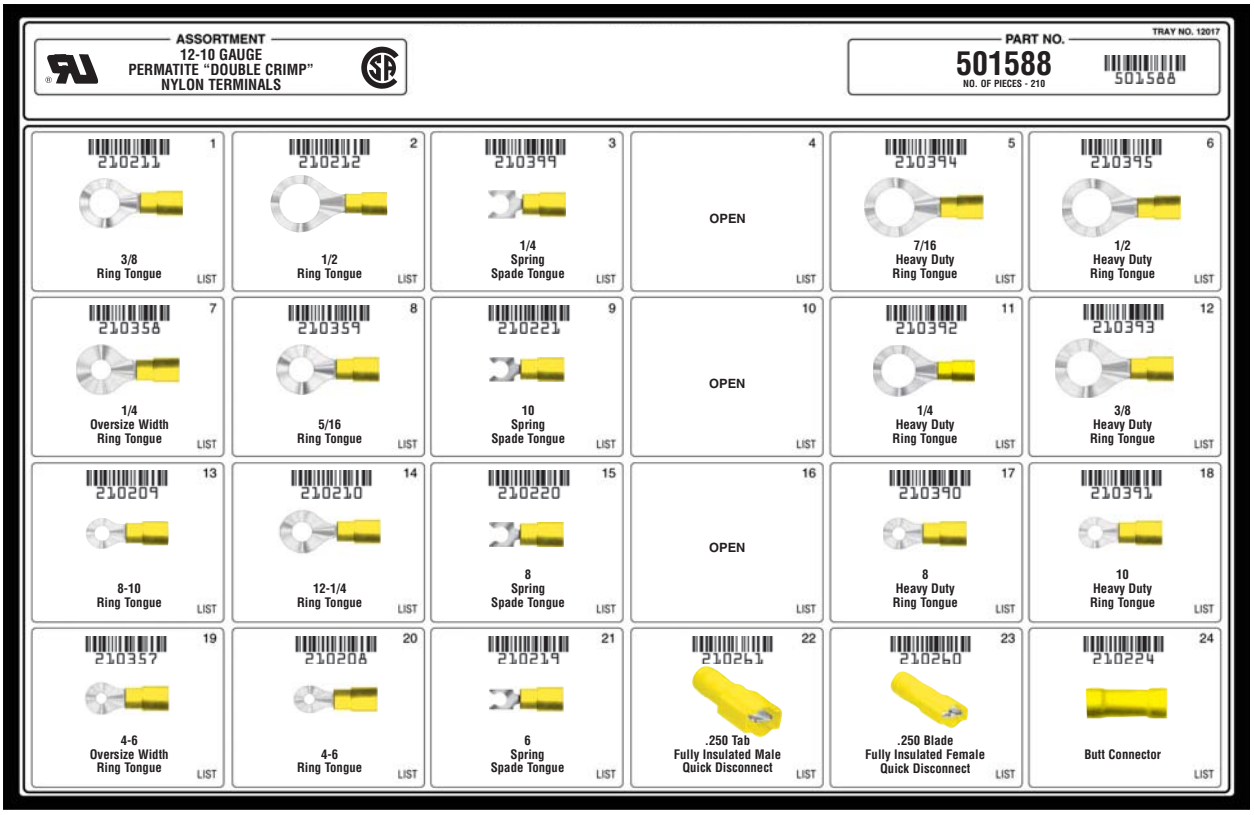


Part No. 501662 **40 PIECES • 23 ITEMS • 12071 TRAY** CATALOG SECTION D10

TOP SELLING ASSORTMENTS

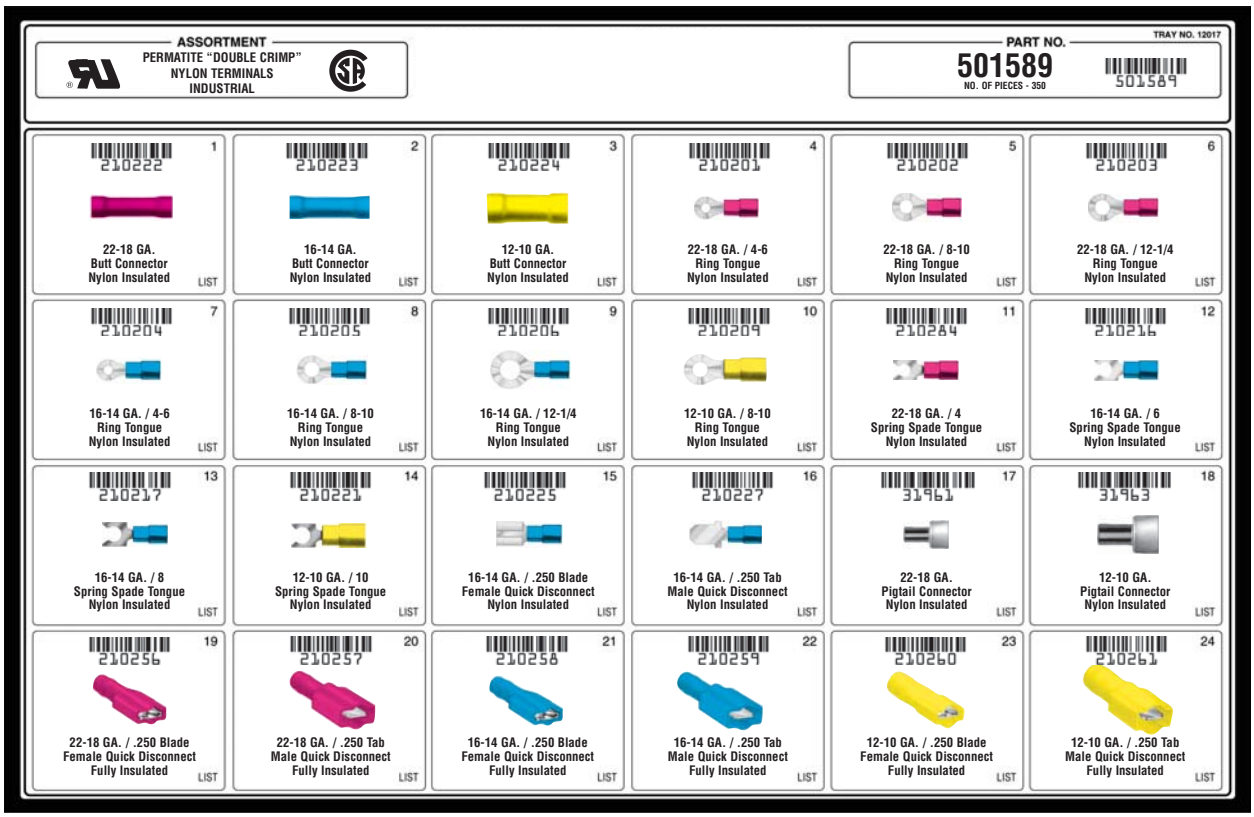


Part No. 501587 **220 PIECES • 22 ITEMS • 12017 TRAY** CATALOG SECTION E10

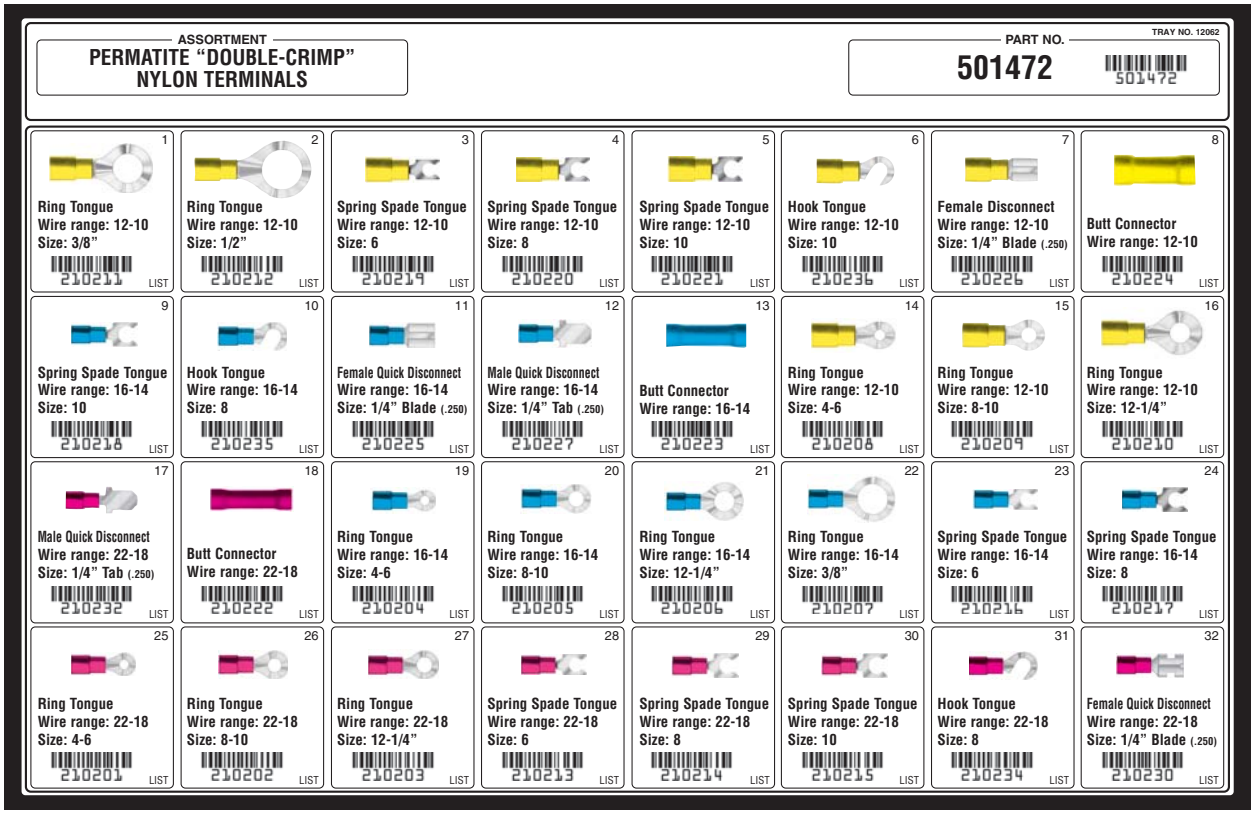


Part No. 501588 **210 PIECES • 21 ITEMS • 12017 TRAY** CATALOG SECTION E10

TOP SELLING ASSORTMENTS



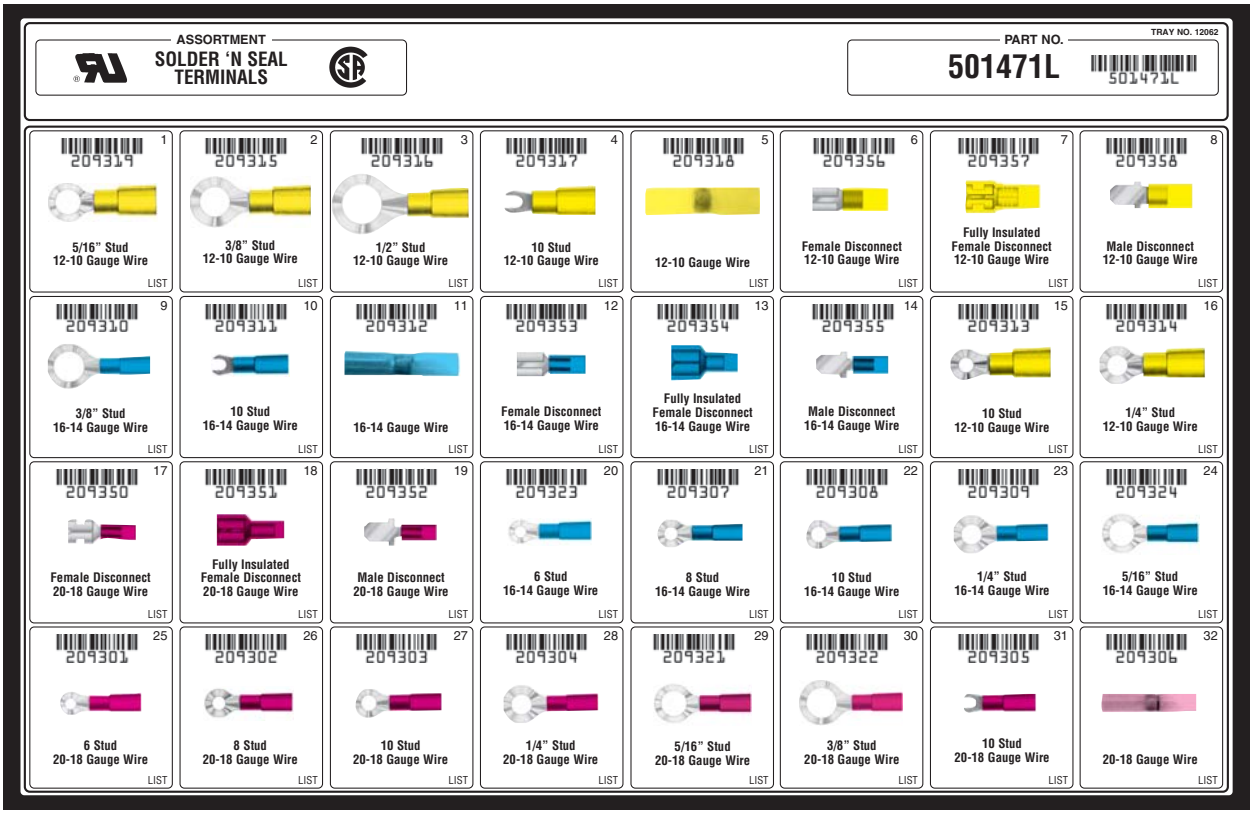
Part No. 501589 **350 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION E10



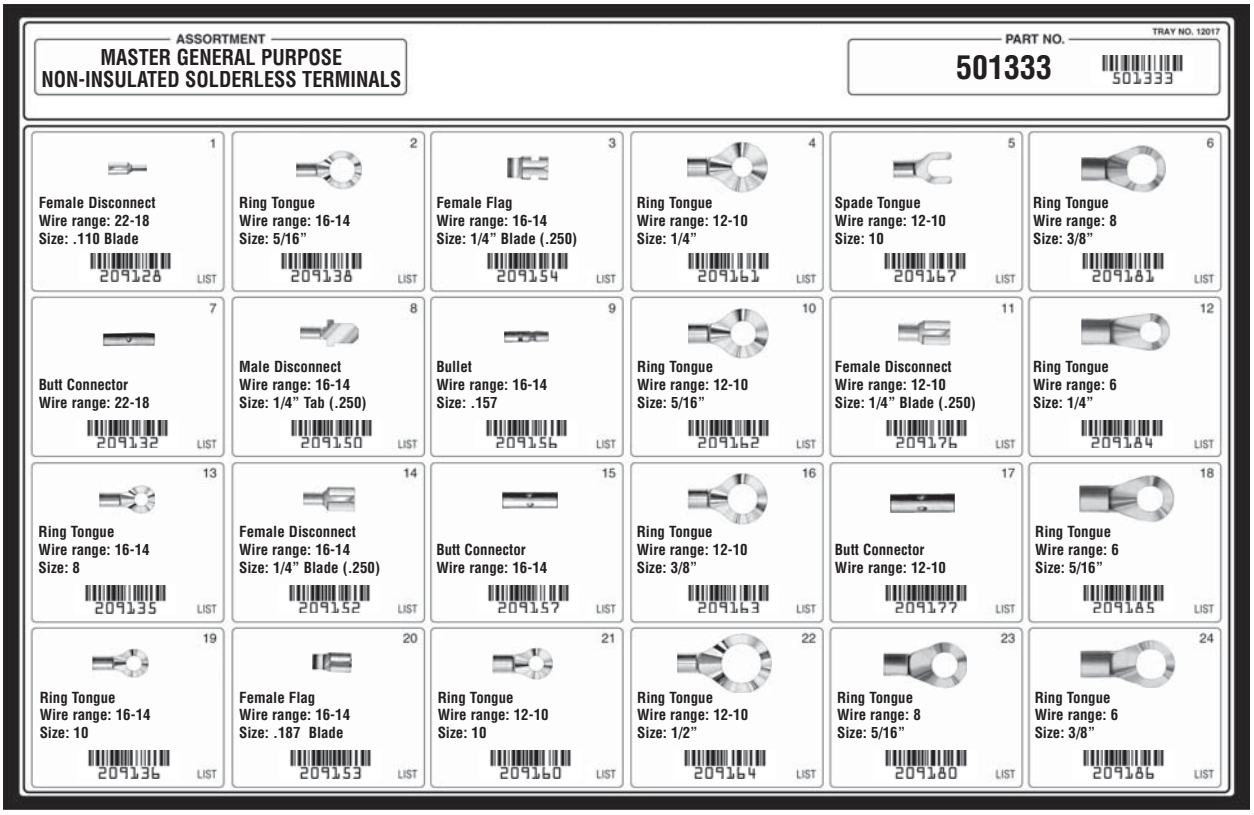
Part No. 501472 **274 PIECES • 32 ITEMS • 12062 TRAY** CATALOG SECTION E10

*Half quantities available, use "M" instead of "L"

TOP SELLING ASSORTMENTS



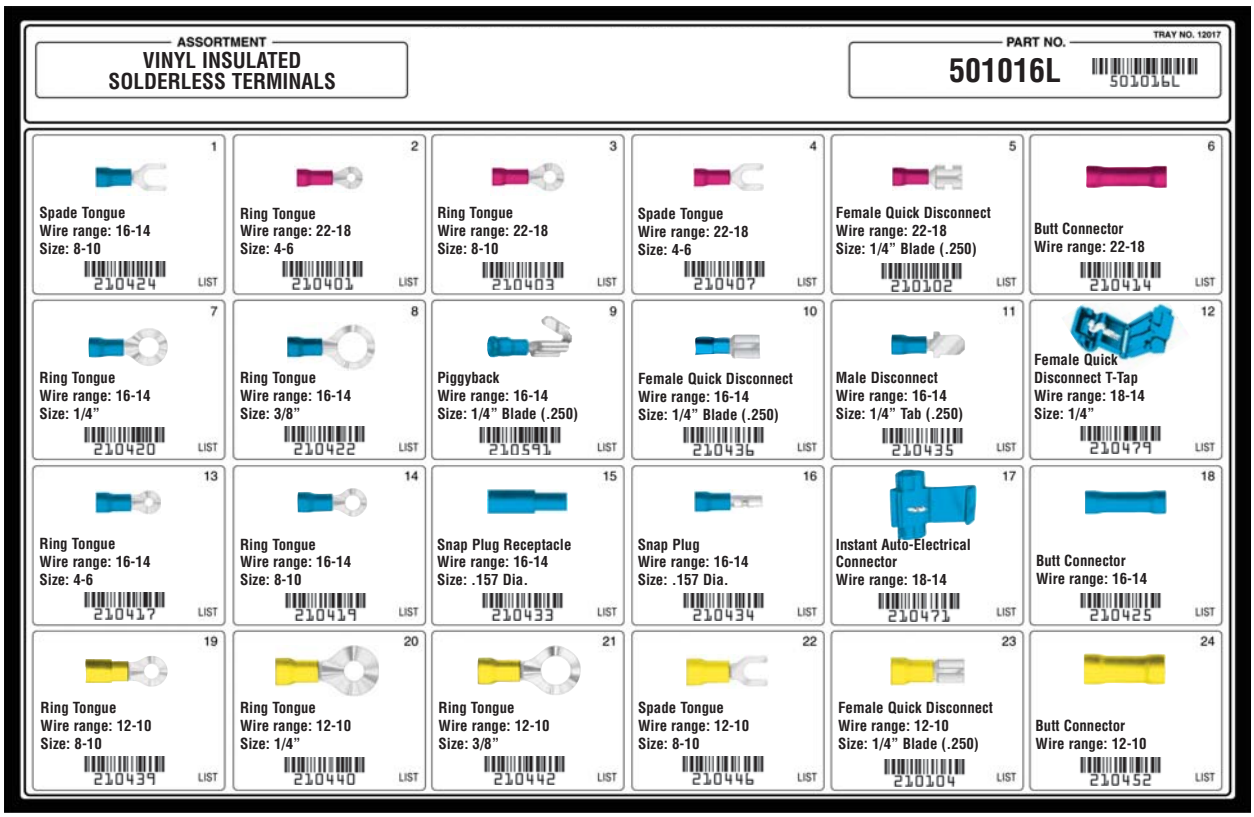
Part No. 501471L* **320 PIECES • 32 ITEMS • 12062 TRAY** CATALOG SECTION E10



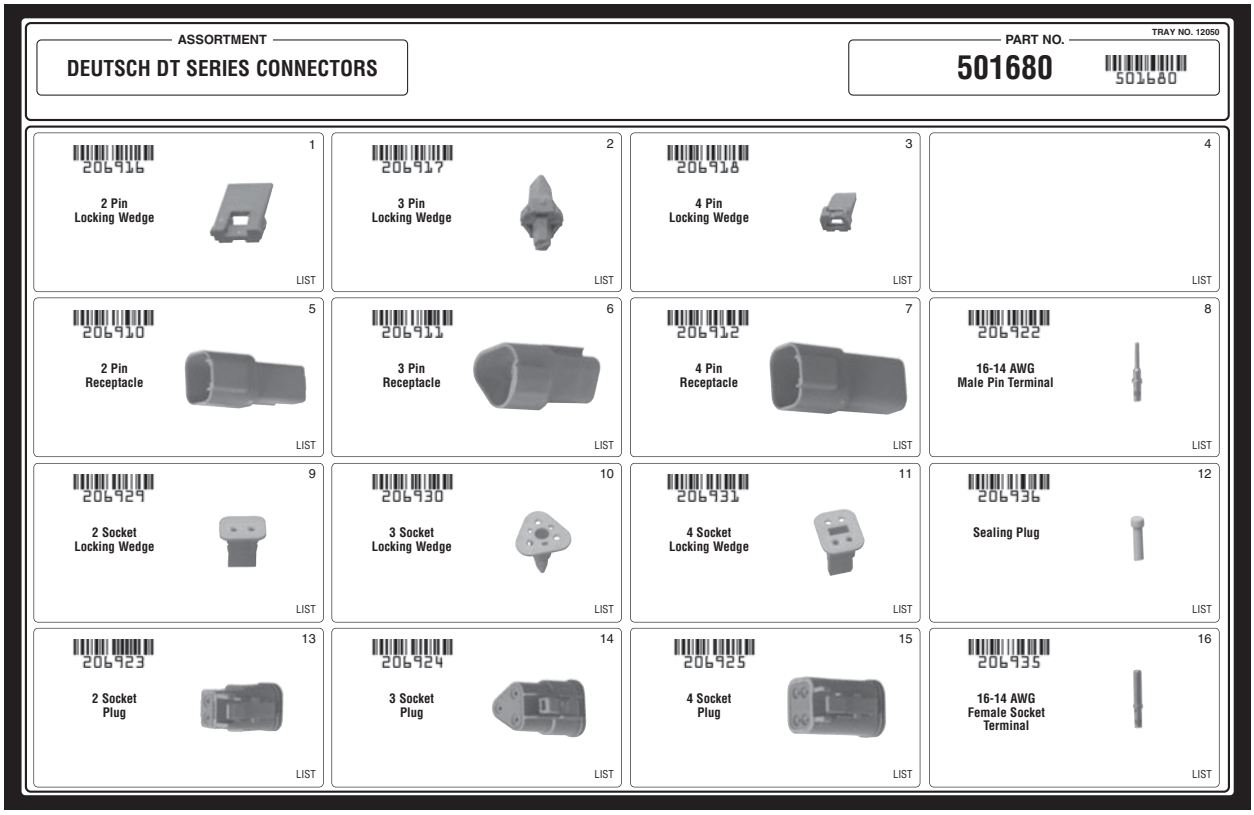
Part No. 501333 **492 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION E10

TOP SELLING ASSORTMENTS

*Half quantities available, use "M" instead of "L"

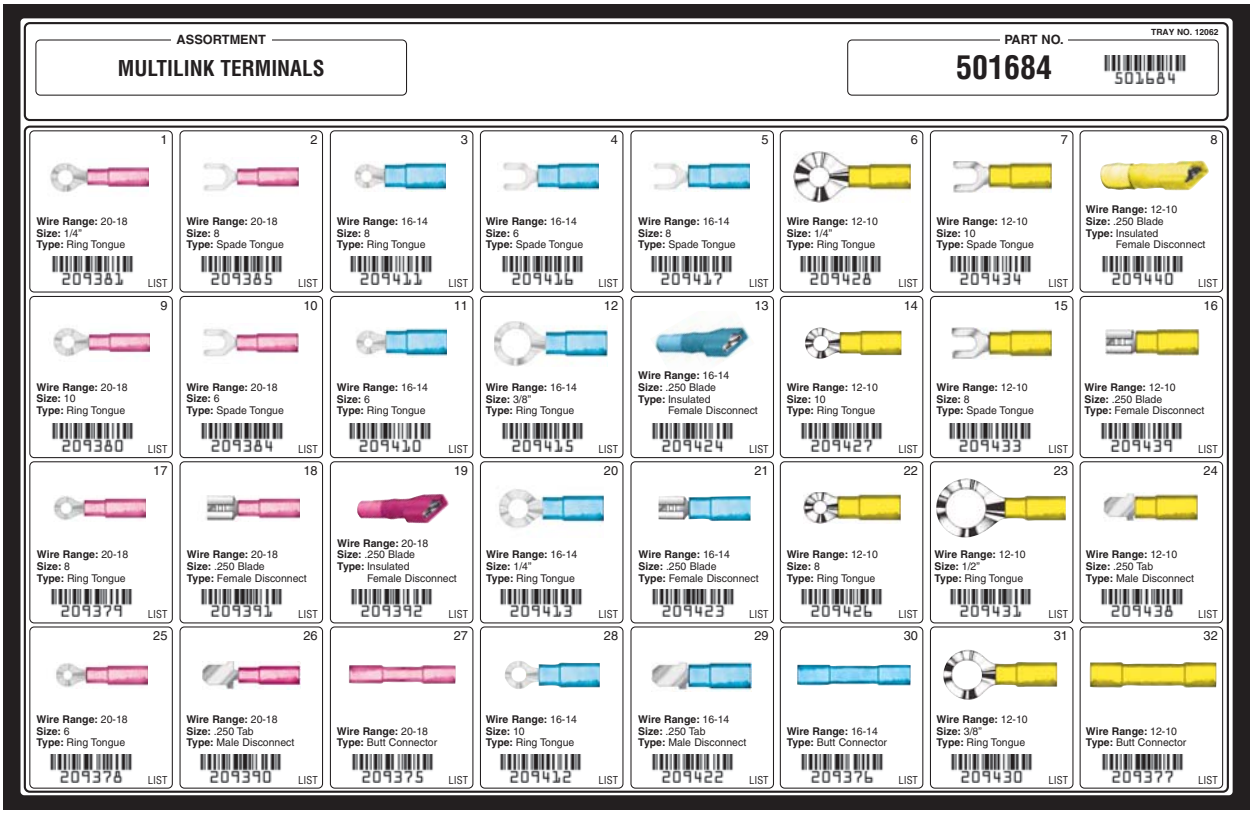


Part No. 501016L* **800 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION E10

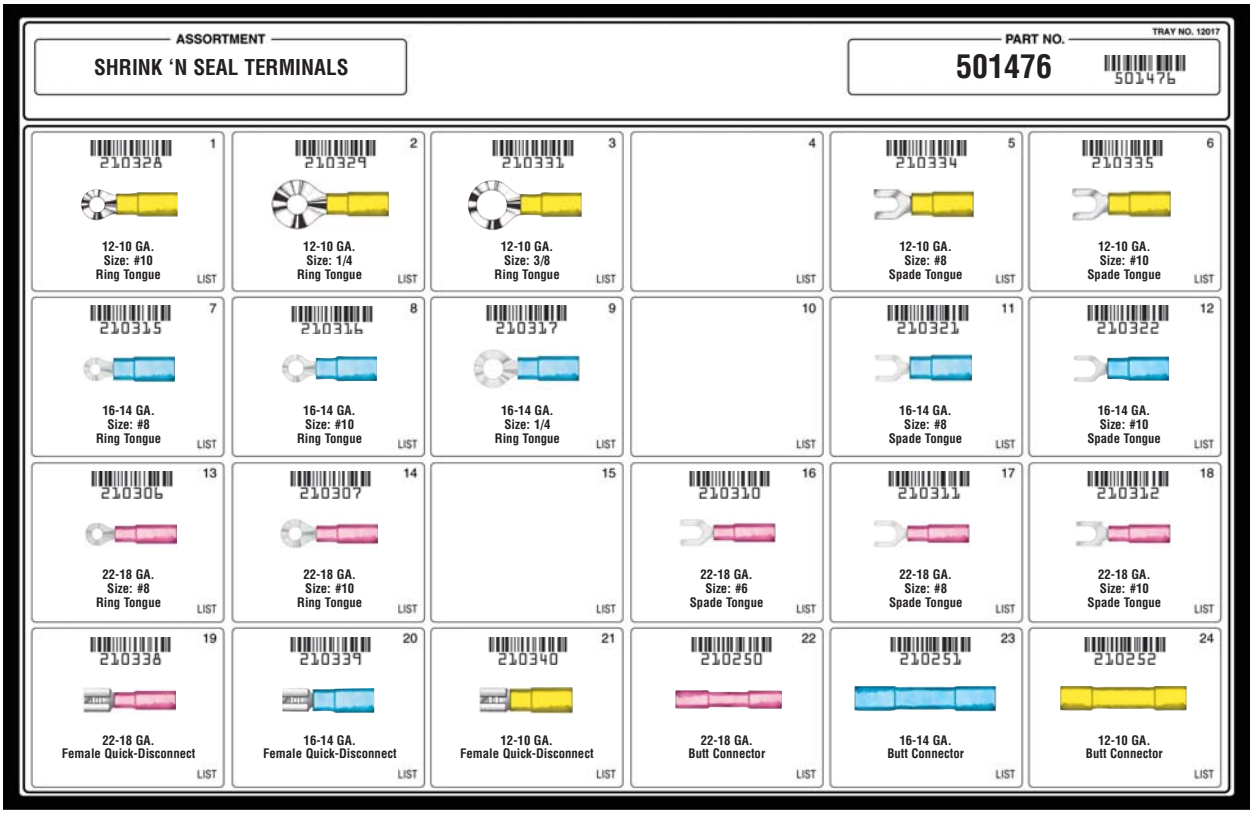


Part No. 501680 **110 PIECES • 15 ITEMS • 12050 TRAY** CATALOG SECTION E10

TOP SELLING ASSORTMENTS



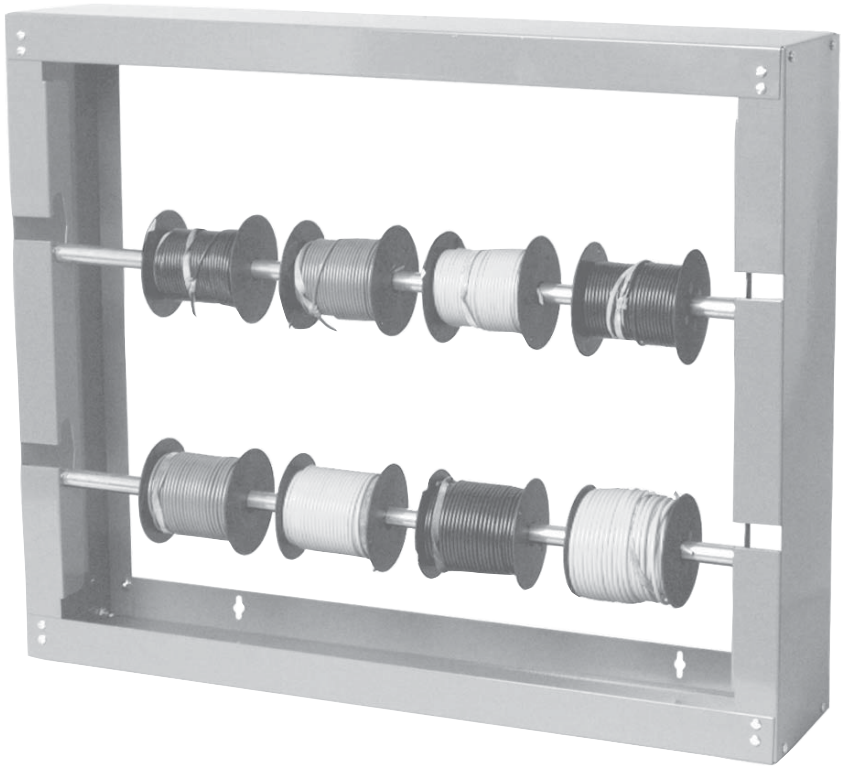
Part No. 501684 **192 PIECES • 32 ITEMS • 12062 TRAY** **CATALOG SECTION E10**



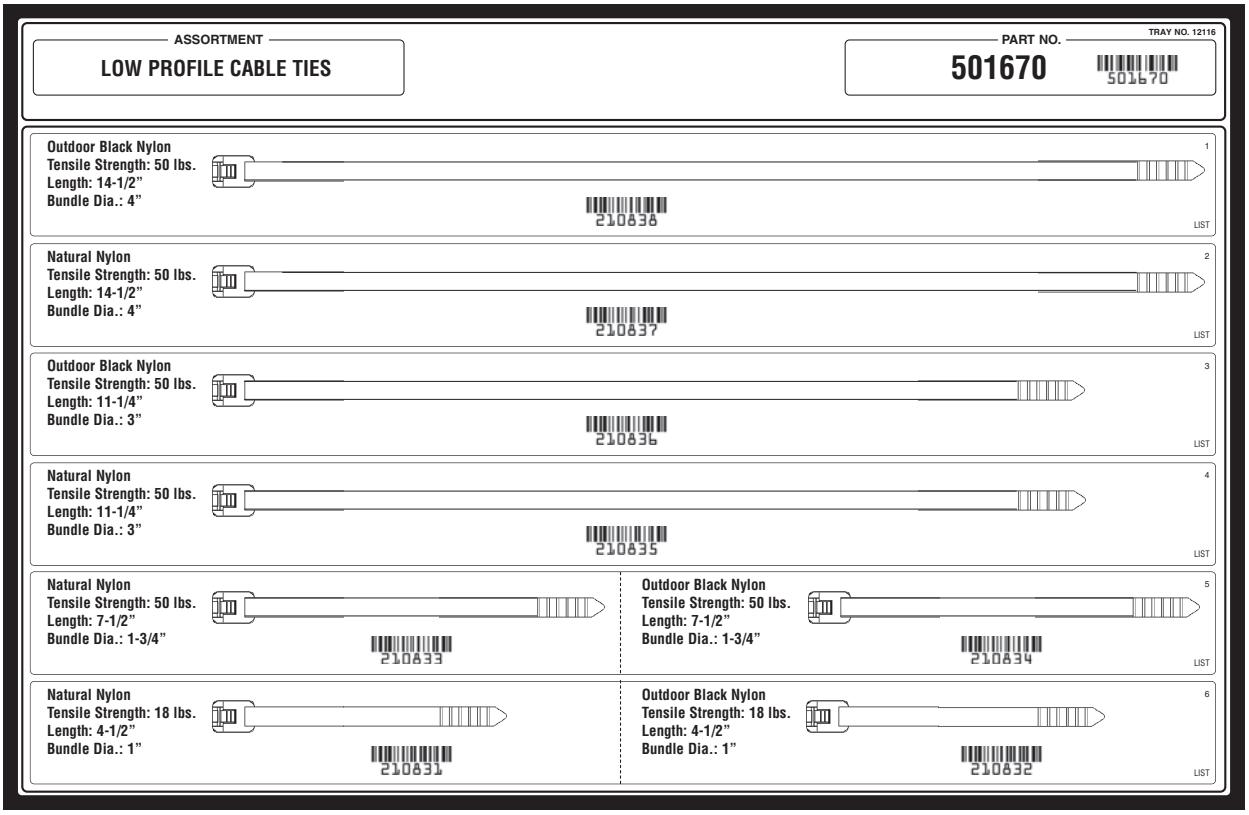
Part No. 501476 **105 PIECES • 21 ITEMS • 12017 TRAY** **CATALOG SECTION E10**

TOP SELLING ASSORTMENTS

GENERAL PURPOSE PRIMARY WIRE STARTER ASSORTMENT



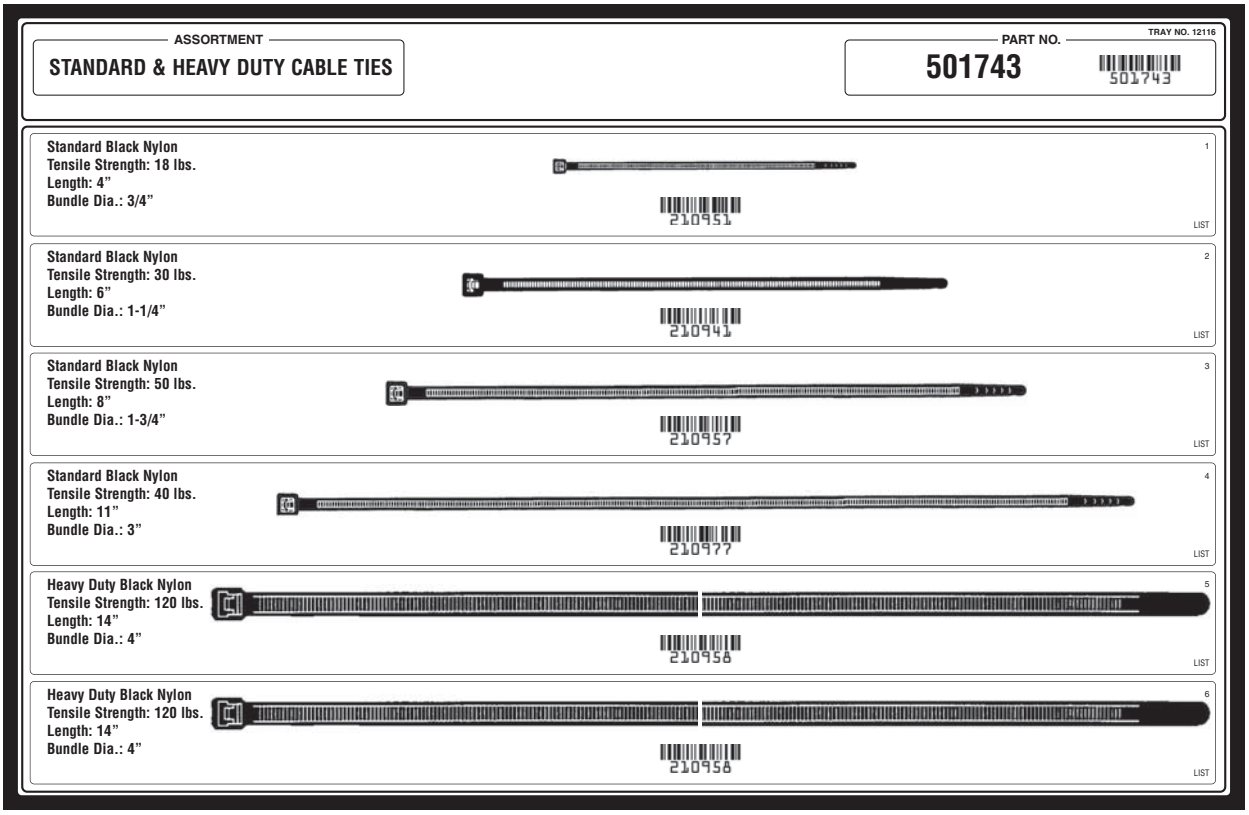
Part No. 32110 **8 SPOOLS - 100′ EA. 12002 RACK** CATALOG SECTION E11



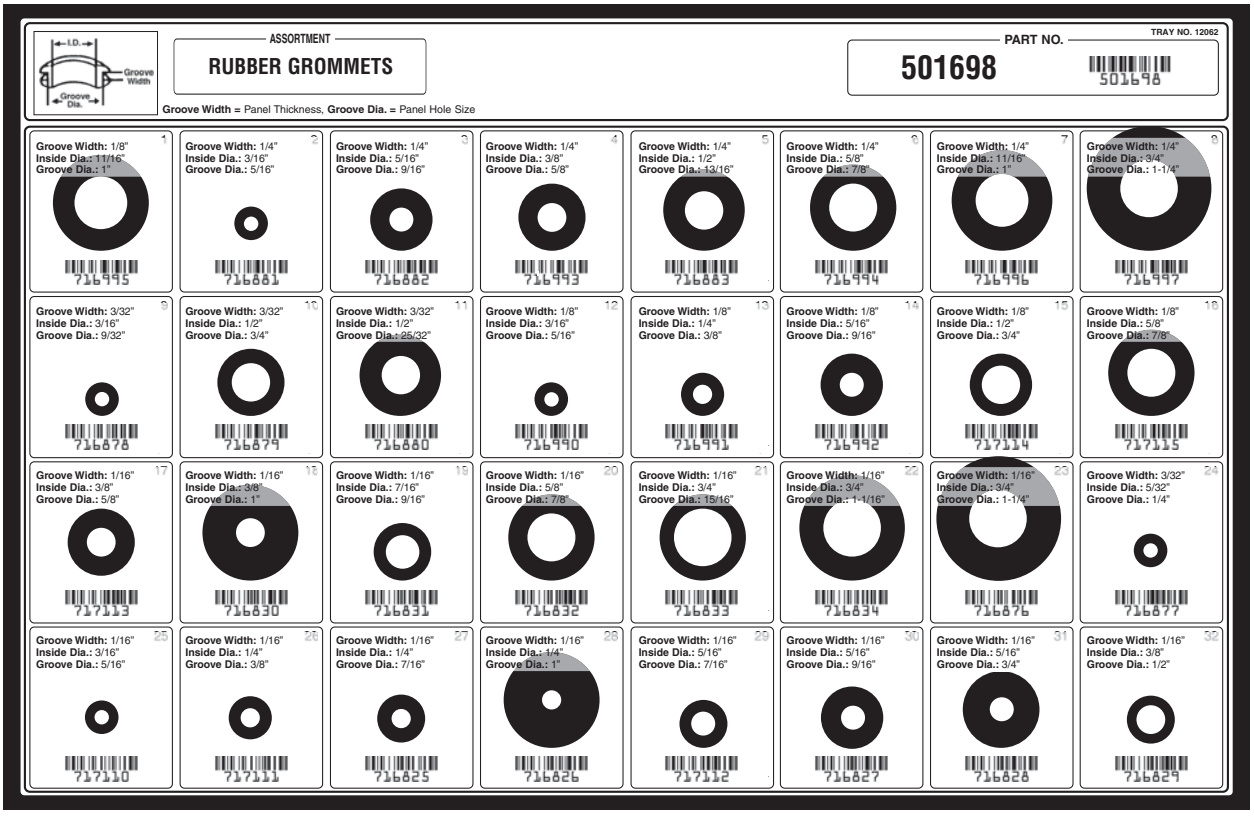
Part No. 501670 **750 PIECES • 8 ITEMS • 12116 TRAY** CATALOG SECTION E12

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REVISED DECEMBER, 2017

TOP SELLING ASSORTMENTS

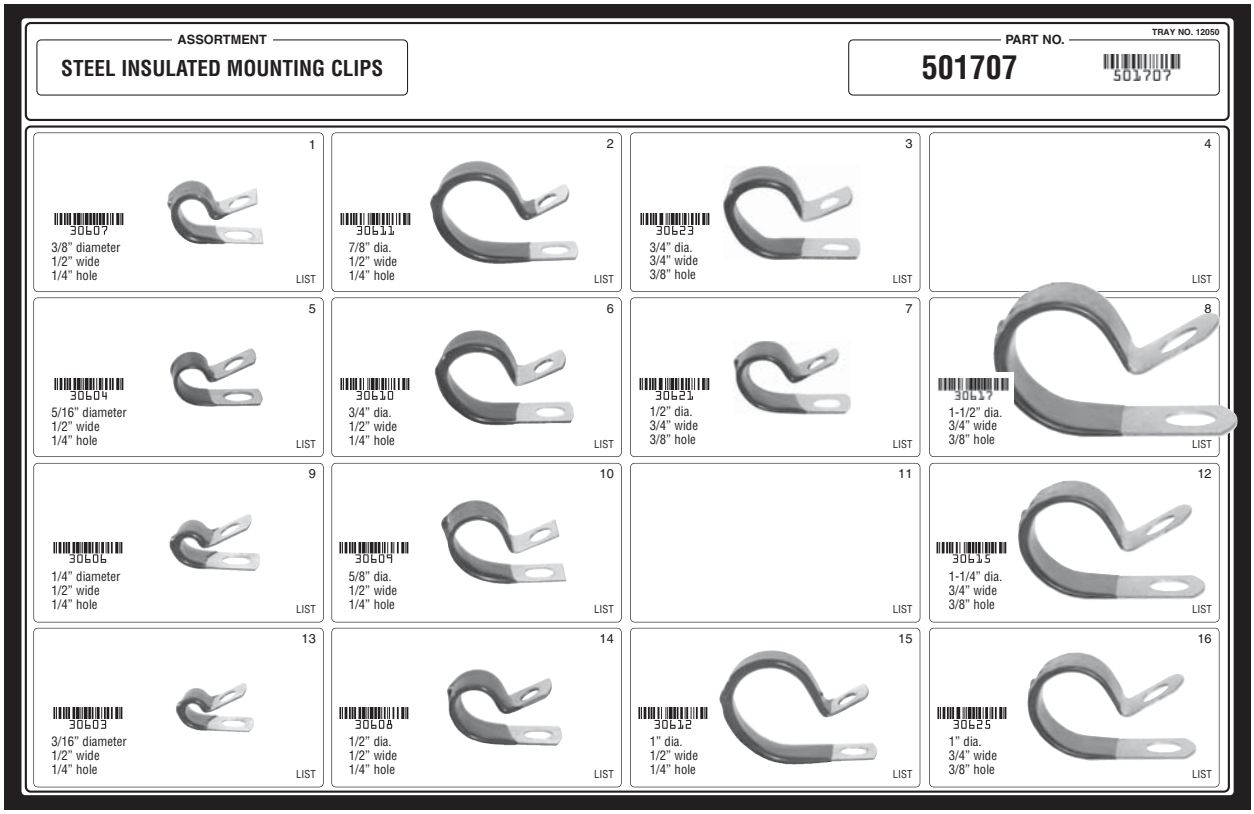


Part No. 501743 **500 PIECES • 5 ITEMS • 12116 TRAY** CATALOG SECTION E12

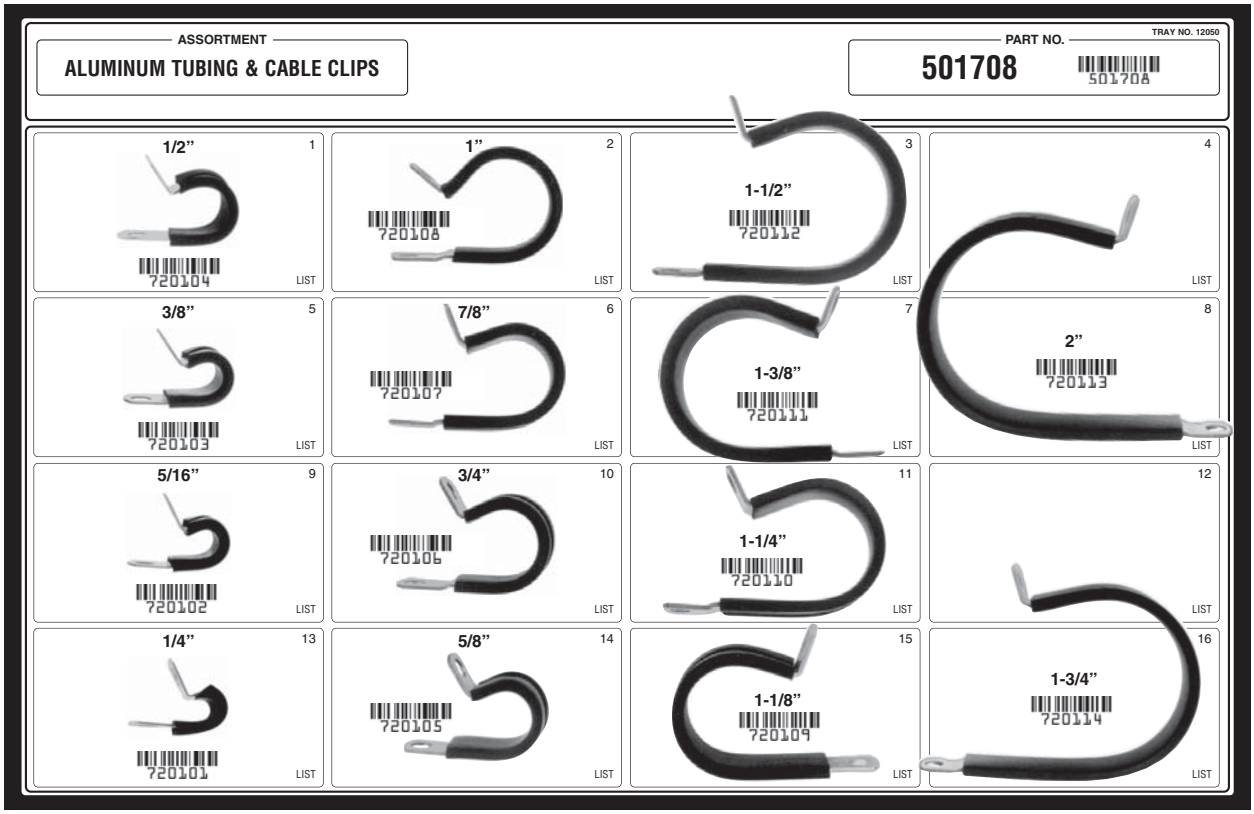


Part No. 501698 **360 PIECES • 32 ITEMS • 12062 TRAY** CATALOG SECTION E12

TOP SELLING ASSORTMENTS

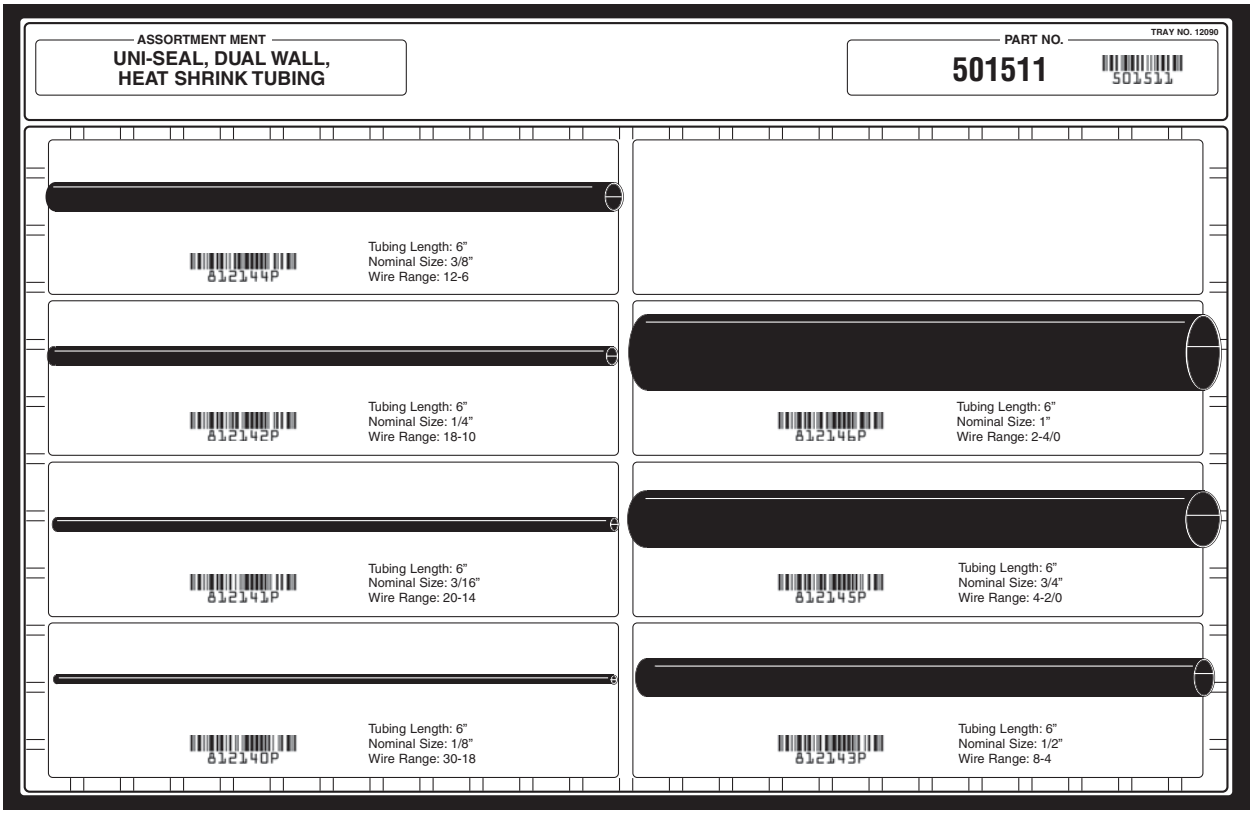


Part No. 501707 **111 PIECES • 14 ITEMS • 12050 TRAY** **CATALOG SECTION E12**

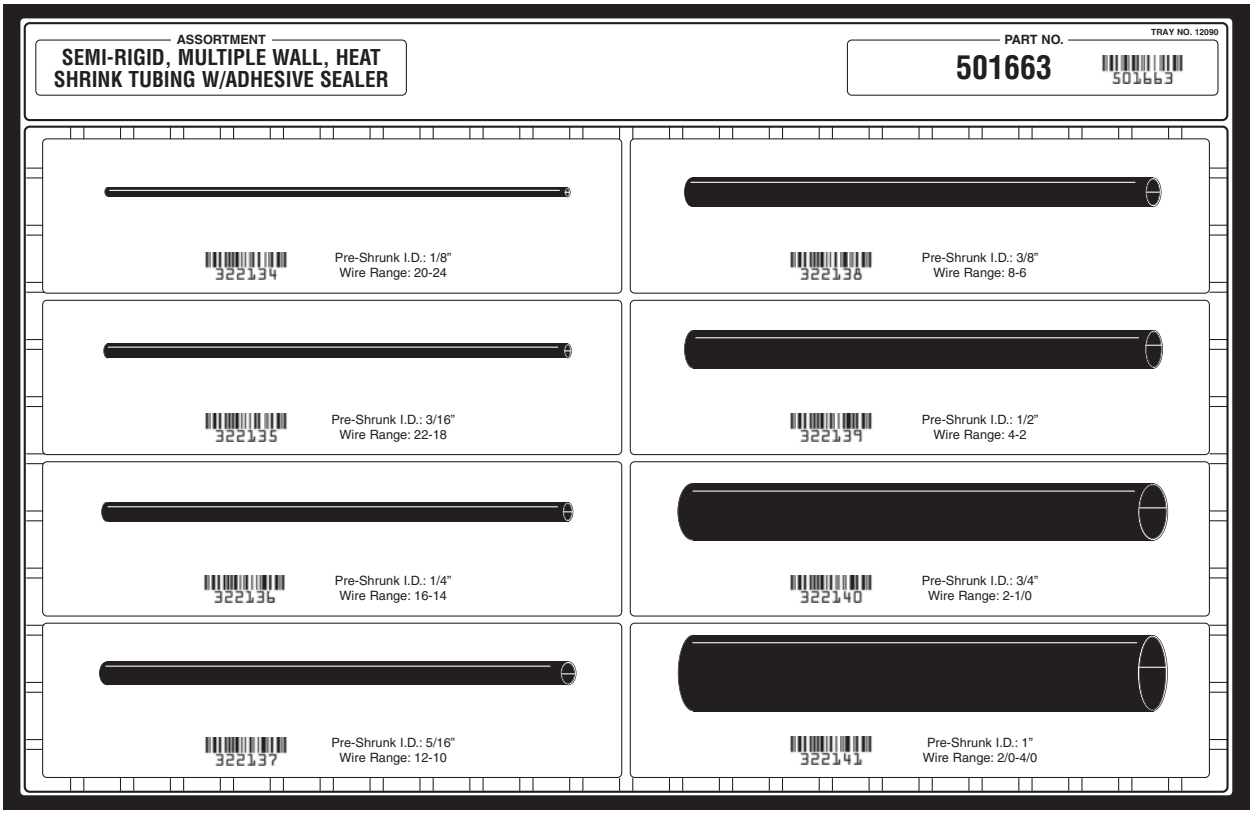


Part No. 501708 **87 PIECES • 14 ITEMS • 12050 TRAY** **CATALOG SECTION E12**

TOP SELLING ASSORTMENTS

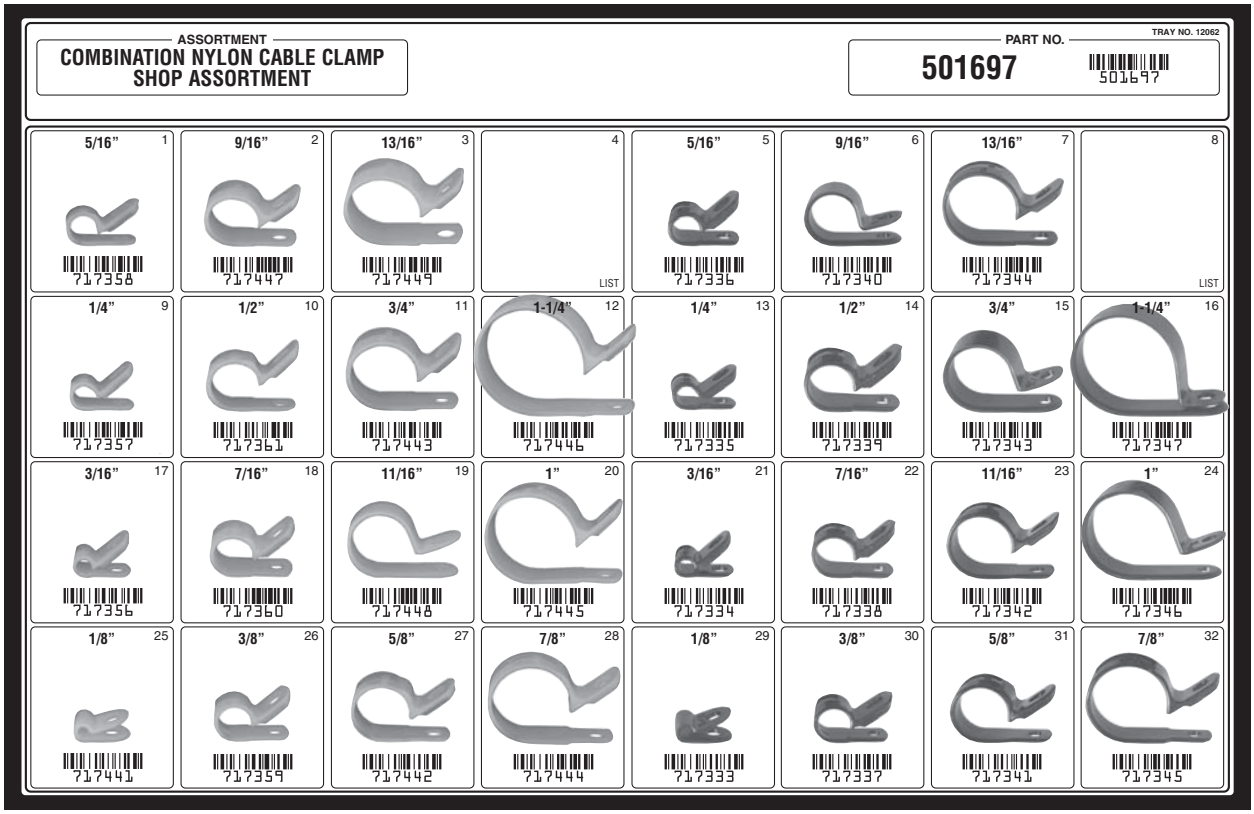


Part No. 501511 **46 PIECES • 7 ITEMS • 12090 TRAY** **CATALOG SECTION E12**

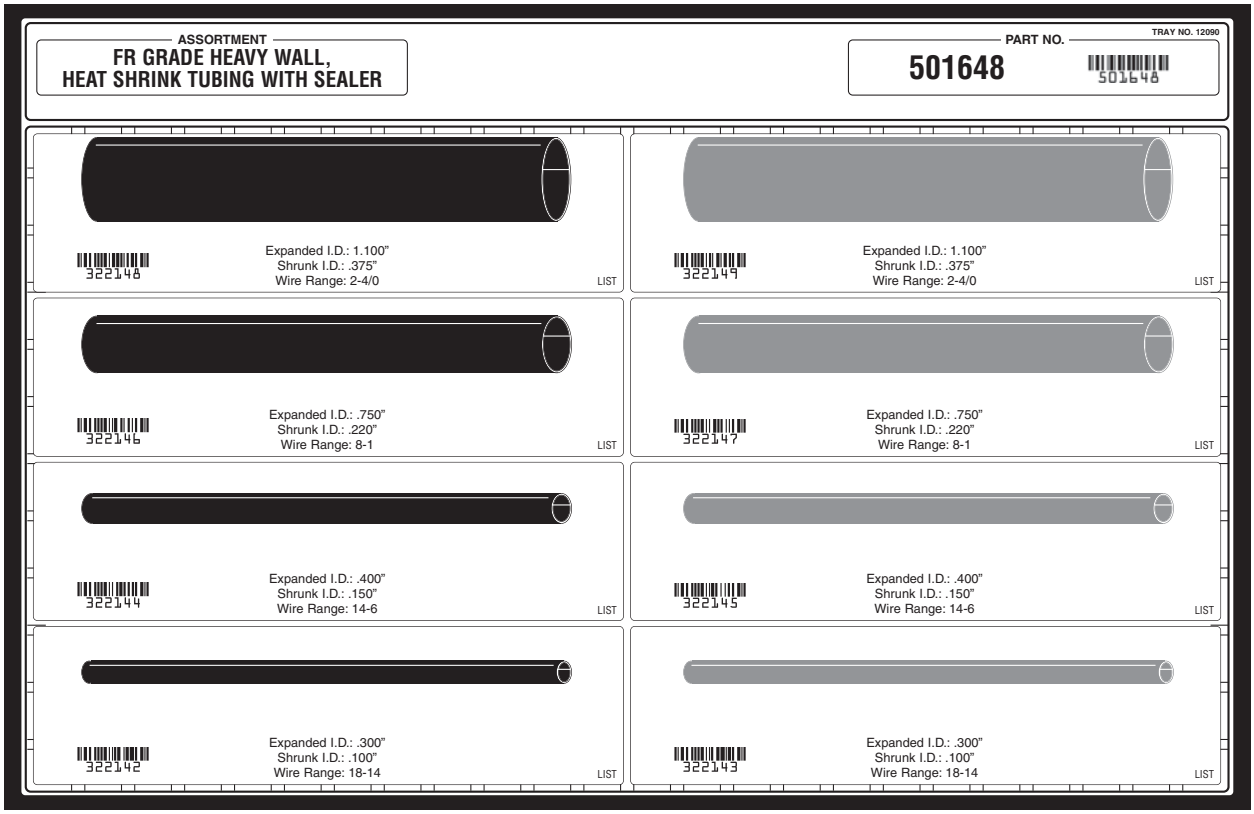


Part No. 501663 **48 PIECES • 8 ITEMS • 12090 TRAY** **CATALOG SECTION E12**

TOP SELLING ASSORTMENTS

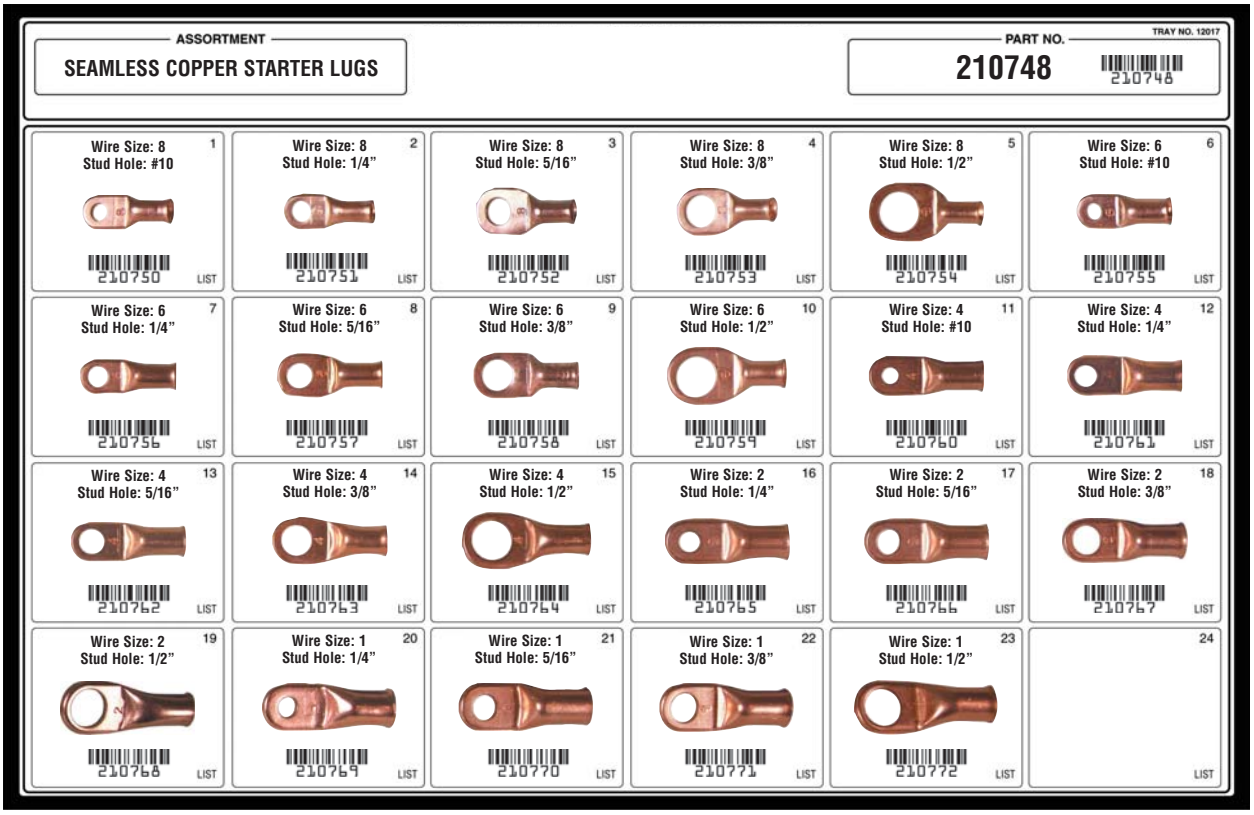


Part No. 501697 **322 PIECES • 30 ITEMS • 12062 TRAY** **CATALOG SECTION E12**

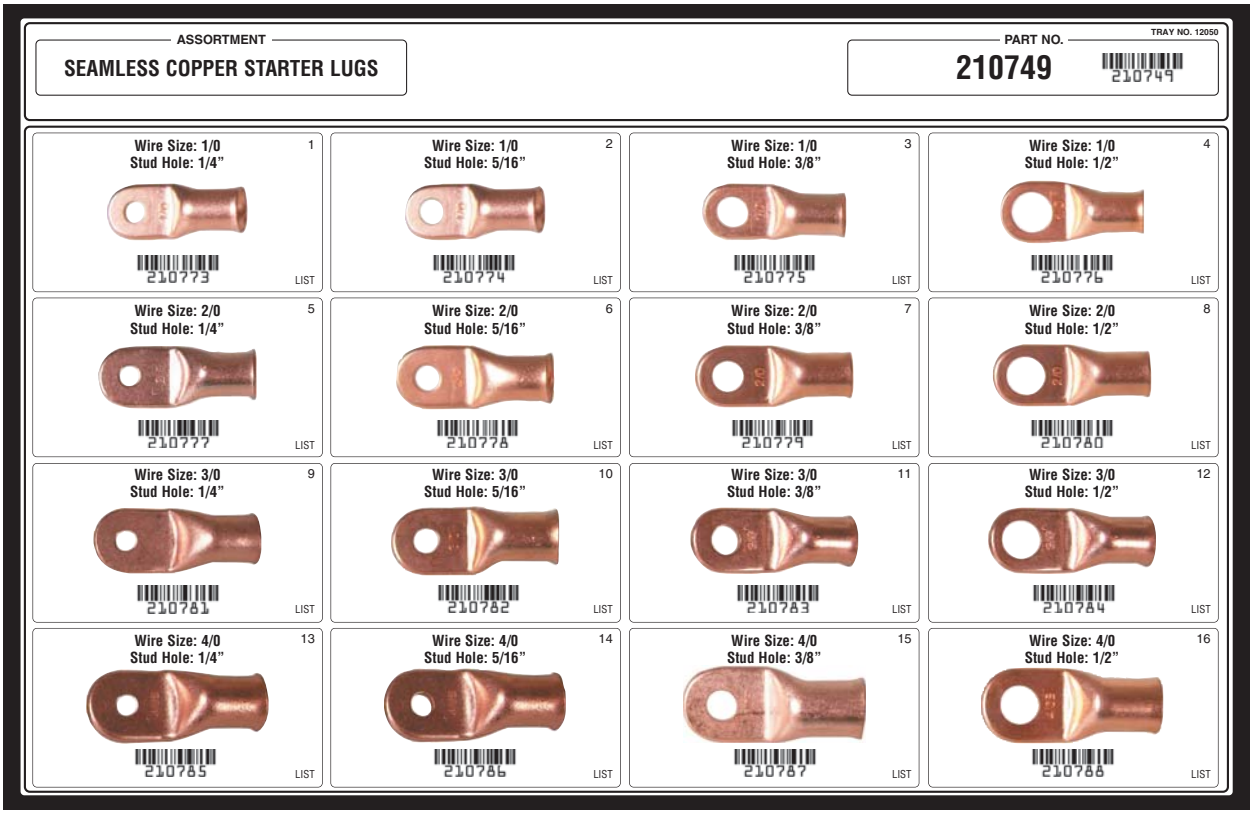


Part No. 501648 **28 PIECES • 8 ITEMS • 12090 TRAY** **CATALOG SECTION E12**

TOP SELLING ASSORTMENTS

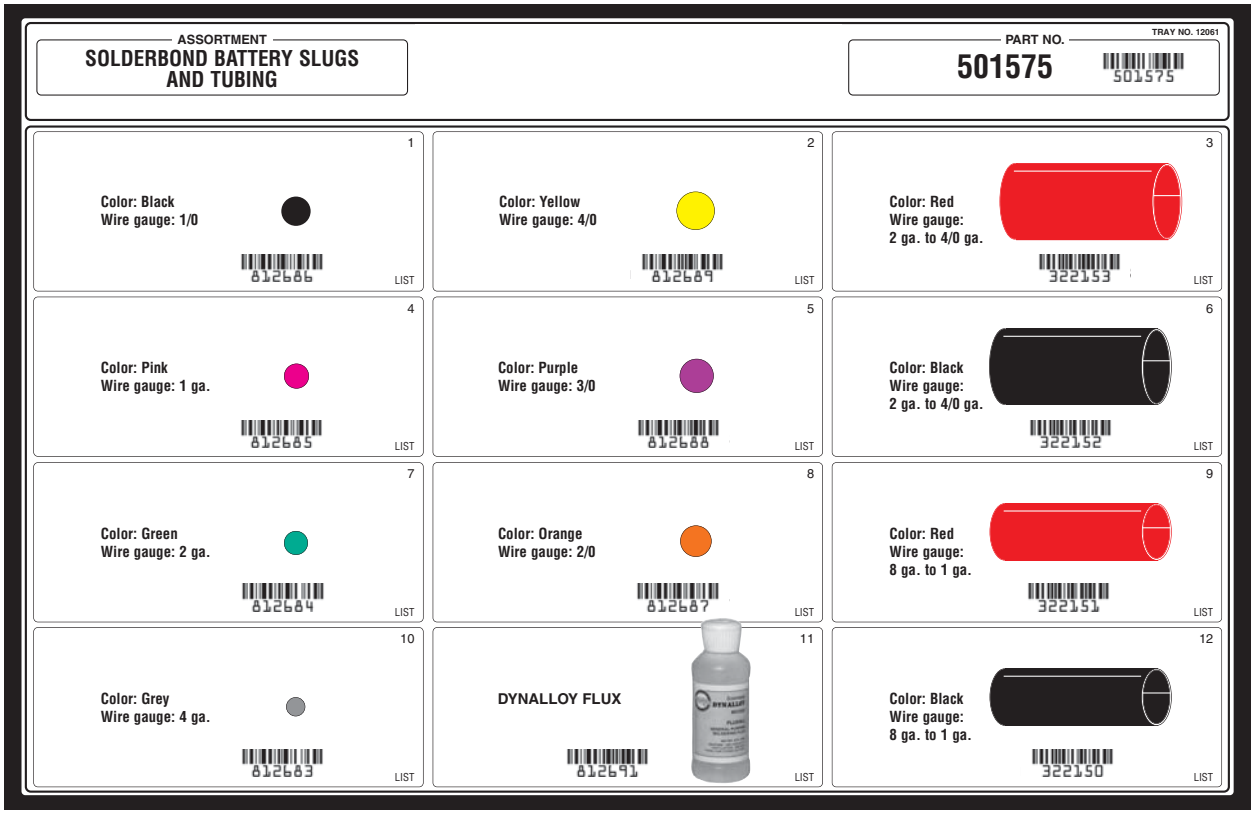


Part No. 210748 **102 PIECES • 23 ITEMS • 12017 TRAY** CATALOG SECTION E15

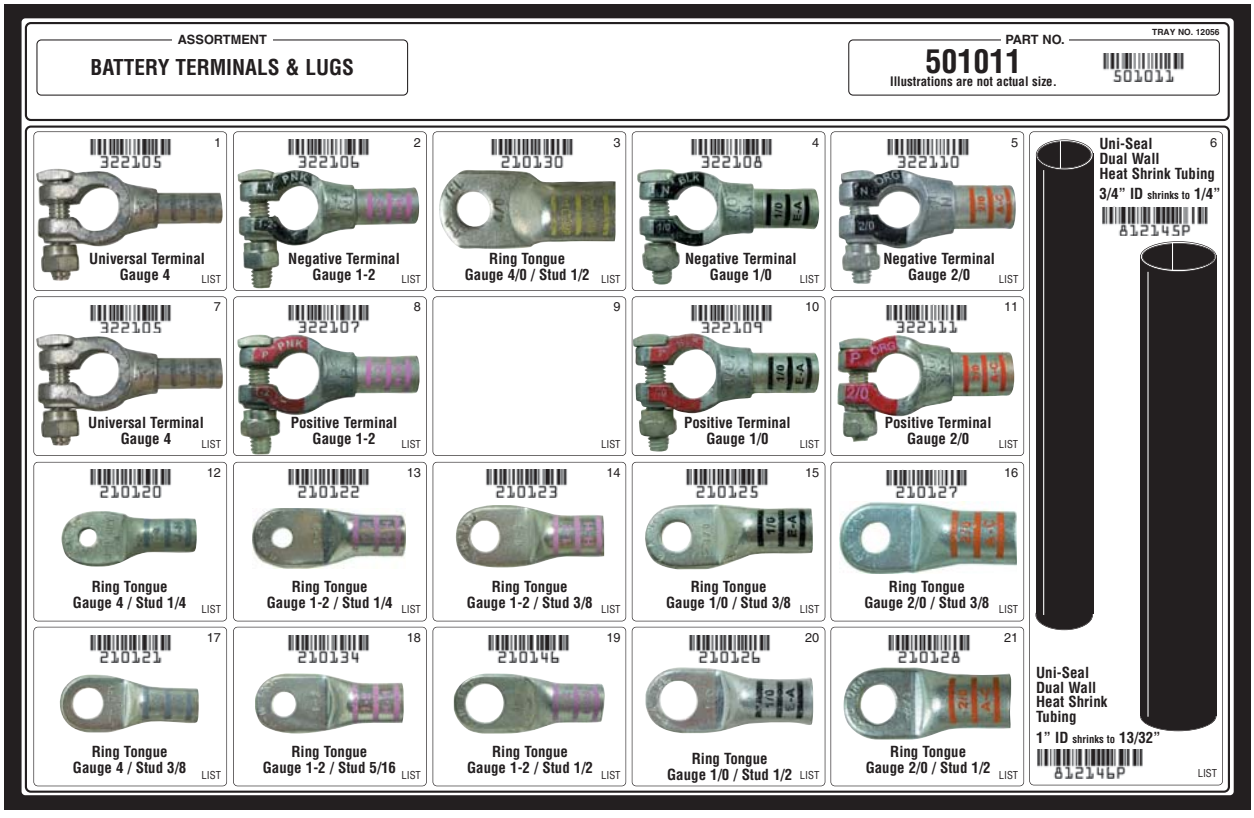


Part No. 210749 **56 PIECES • 16 ITEMS • 12050 TRAY** CATALOG SECTION E15

TOP SELLING ASSORTMENTS

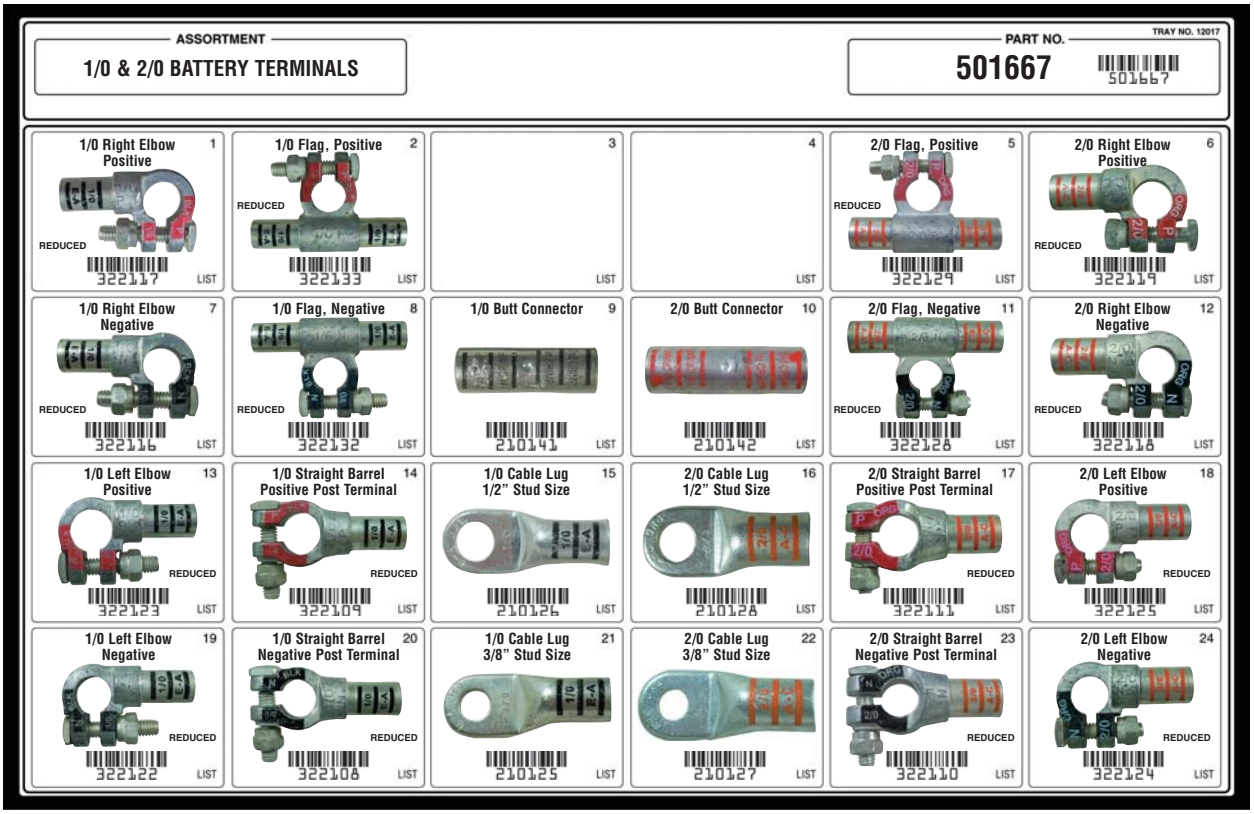


Part No. 501575 **125 PIECES • 12 ITEMS • 12061 TRAY** CATALOG SECTION E15

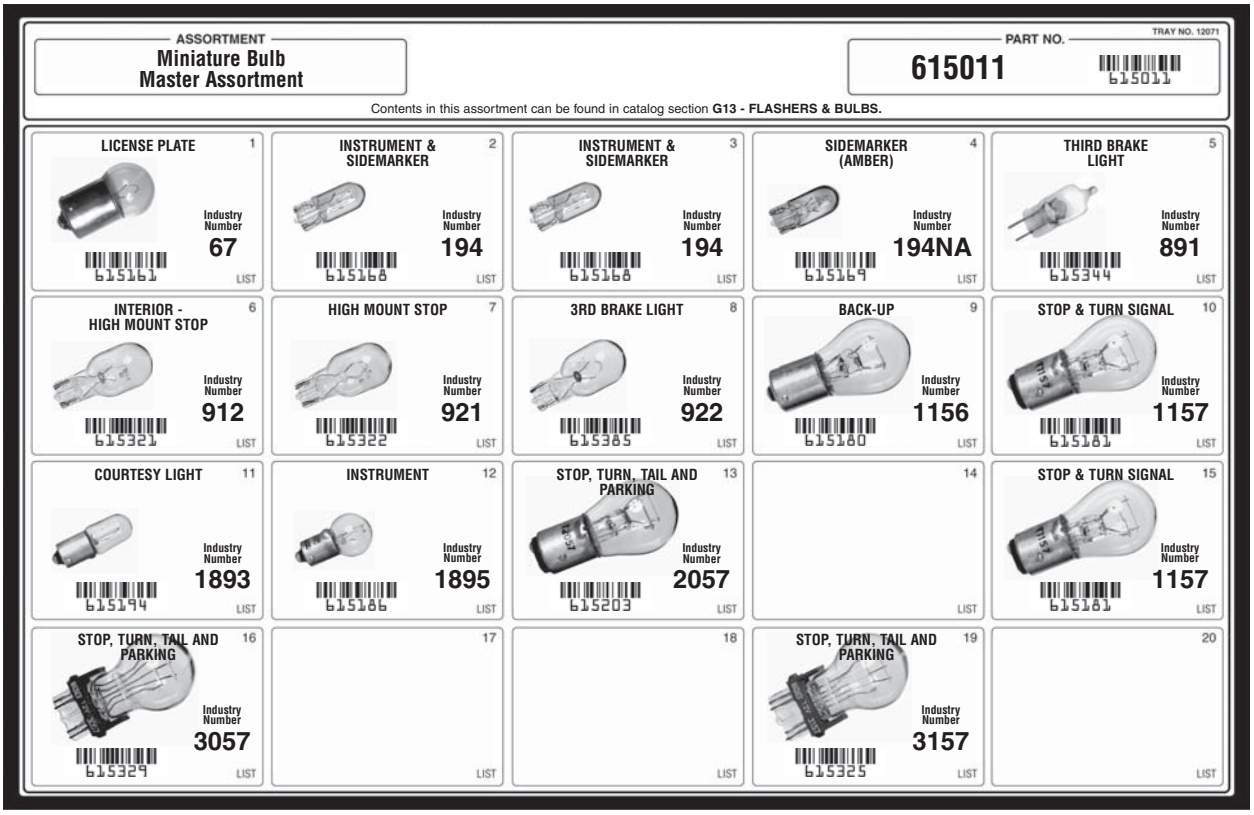


Part No. 501011 **42 PIECES • 20 ITEMS • 12056 TRAY** CATALOG SECTION E15

TOP SELLING ASSORTMENTS

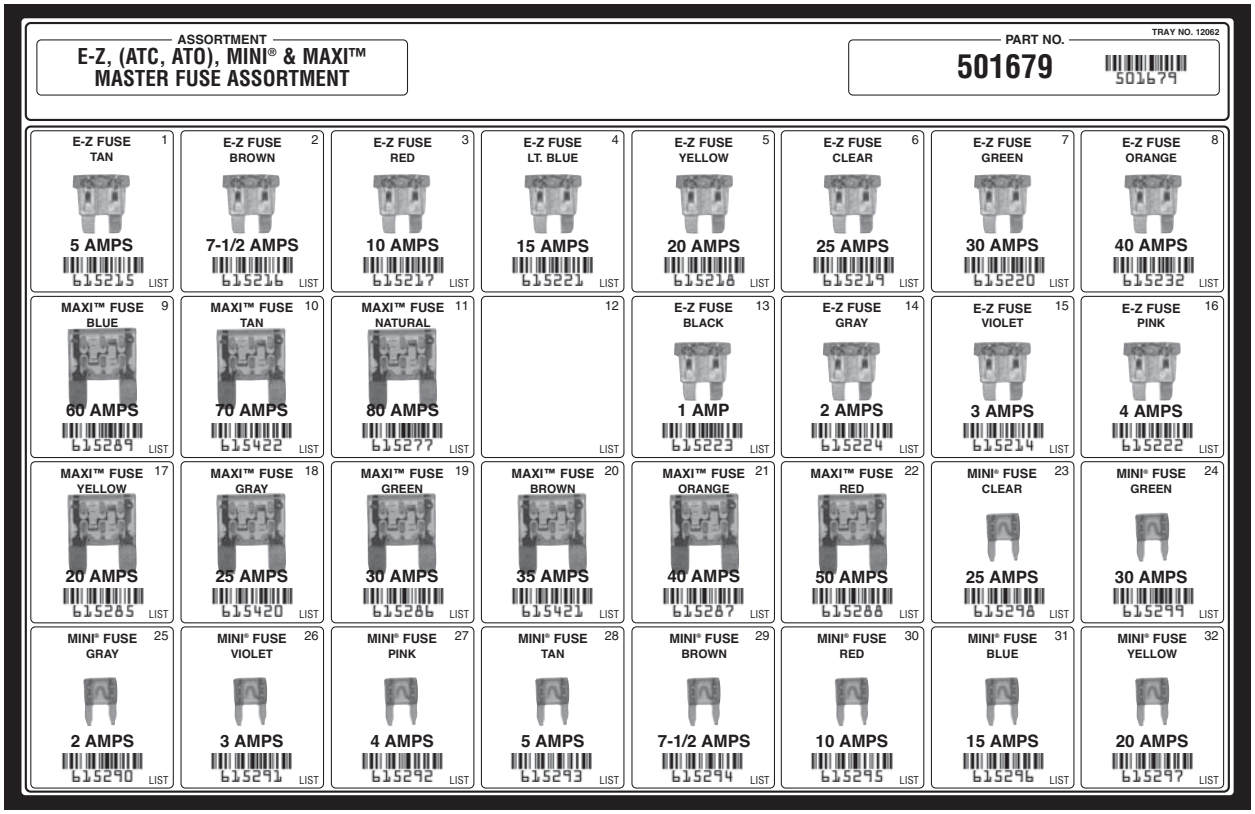


Part No. 501667 **50 PIECES • 22 ITEMS • 12017 TRAY** CATALOG SECTION E15



Part No. 615011 **151 PIECES • 14 ITEMS • 12071 TRAY** CATALOG SECTION G13

TOP SELLING ASSORTMENTS



Part No. 501679 **128 PIECES • 31 ITEMS • 12062 TRAY** CATALOG SECTION G14

- **Supplies most used fuses with mininum stock.**
- **Contains 100 fuses**
- **BUSS No. 100**



Part No. 615005 **100 PIECES** CATALOG SECTION G14

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TOP SELLING ASSORTMENTS

ASSORTMENT
MASTER COATED WHEEL WEIGHTS

PART NO. **501419**

TRAY NO. 12050

Illustrations are not actual size.

1 FORD 3oz. 715387 LIST	2 FORD 2½oz. 715386 LIST	3 FORD 2oz. 715385 LIST	4 FORD 1½oz. 715384 LIST
5 FORD 1oz. 715383 LIST	6 FORD 3/4oz. 715382 LIST	7 FORD 1/2oz. 715381 LIST	8 FORD 1/4oz. 715380 LIST
9 GM, CHRYSLER 1½oz. 715374 LIST	10 GM, CHRYSLER 2oz. 715375 LIST	11 GM, CHRYSLER 2½oz. 715376 LIST	12 GM, CHRYSLER 3oz. 715377 LIST
13 GM, CHRYSLER 1/4oz. 715370 LIST	14 GM, CHRYSLER 1/2oz. 715371 LIST	15 GM, CHRYSLER 3/4oz. 715372 LIST	16 GM, CHRYSLER 1oz. 715373 LIST

Part No. 501419 — **74 PIECES • 16 ITEMS • 12050 TRAY** — CATALOG SECTION **H10**

ASSORTMENT
STANDARD WHEEL NUTS

PART NO. **501426**

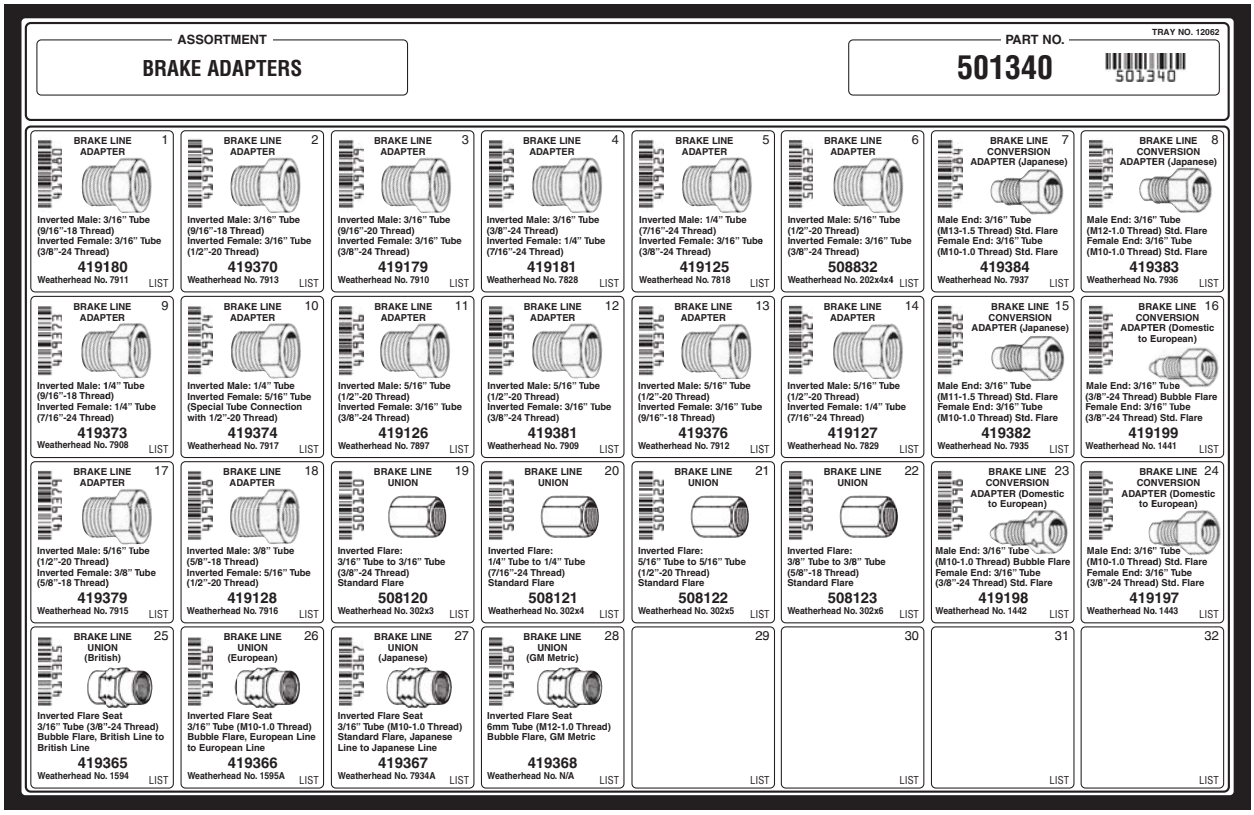
TRAY NO. 12017

*BULGE NUTS HAVE 60° CONE SEAT. FOR OE ALLOY WHEELS / +OE FOR HONDA, SPECIAL SEAT

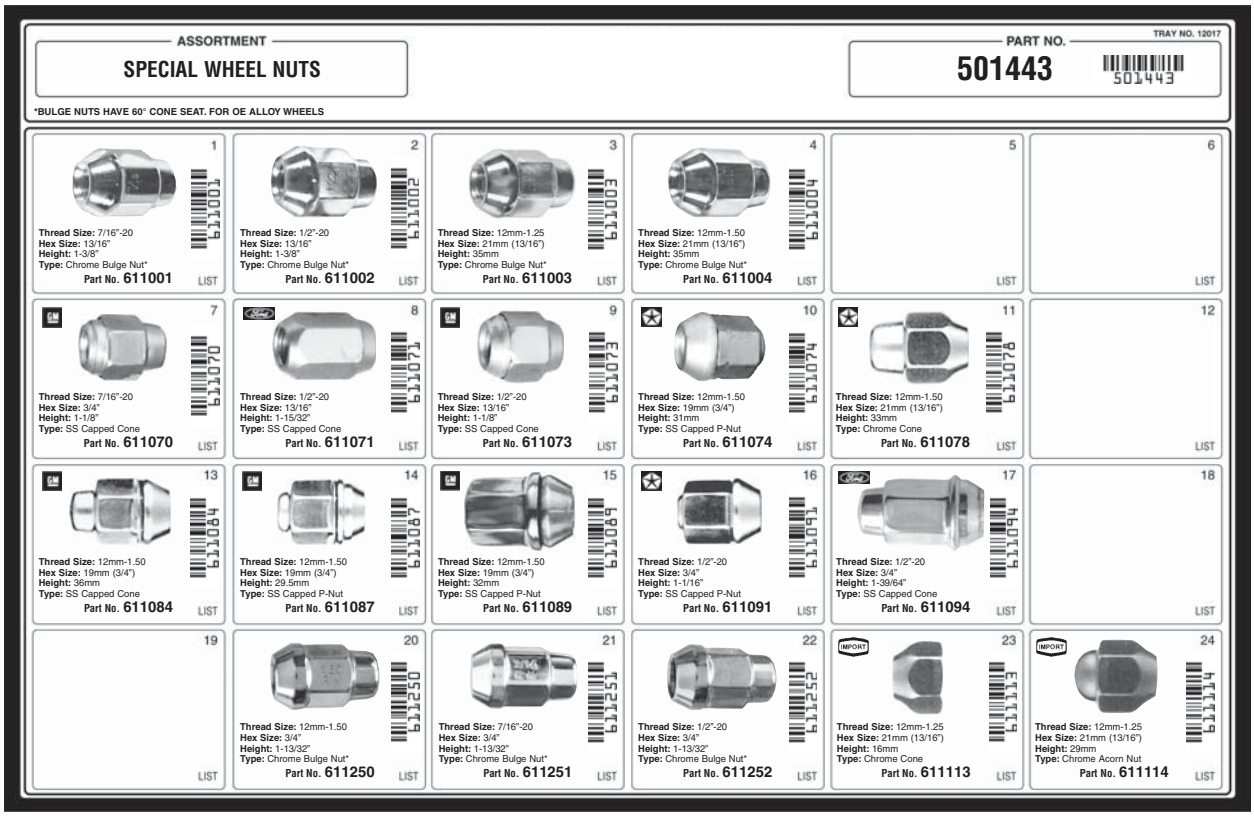
1 LIST	2 LIST	3 **Thread Size:** 12mm-1.50 **Hex Size:** 21mm (13/16") **Height:** 35mm **Type:** Chrome Bulge Nut* Part No. **611004** LIST	4 **Thread Size:** 1/2"-20 **Hex Size:** 13/16" **Height:** 5/8" **Type:** Cone Part No. **611016** LIST	5 **Thread Size:** 1/2"-20 **Hex Size:** 3/4" **Height:** 9/16" **Type:** Cone Part No. **611027** LIST	6 **Thread Size:** 9/16"-18 **Hex Size:** 7/8" **Height:** 3/4" **Type:** Cone Part No. **611052** LIST
7 **Thread Size:** 9/16"-18 **Hex Size:** 1" **Height:** 21/32" **Type:** Cone Part No. **611053** LIST	8 **Thread Size:** 12mm-1.50 **Hex Size:** 19mm (3/4") **Height:** 14mm **Type:** Cone Part No. **611062** LIST	9 **Thread Size:** 12mm-1.50 **Hex Size:** 19mm (3/4") **Height:** 23mm **Type:** P-Nut Part No. **611063** LIST	10 **Thread Size:** 12mm-1.25 **Hex Size:** 19mm (3/4") **Height:** 16mm **Type:** Chrome Cone Part No. **611064** LIST	11 **Thread Size:** 12mm-1.25 **Hex Size:** 21mm (13/16") **Height:** 16mm **Type:** P-Nut Part No. **611065** LIST	12 **Thread Size:** 12mm-1.50 **Hex Size:** 21mm (13/16") **Height:** 16mm **Type:** Cone Part No. **611066** LIST
13 **Thread Size:** 12mm-1.50 **Hex Size:** 21mm (13/16") **Height:** 18mm **Type:** Cone Part No. **611072** LIST	14 **Thread Size:** 12mm-1.50 **Hex Size:** 19mm (3/4") **Height:** 24.5mm **Type:** Chrome Ball Faced+ Part No. **611075** LIST	15 **Thread Size:** 12mm-1.25 **Hex Size:** 19mm (3/4") **Height:** 25mm **Type:** Chrome Cone Part No. **611076** LIST	16 LIST	17 LIST	18 LIST
19 **Thread Size:** 12mm-1.50 **Hex Size:** 21mm (13/16") **Height:** 27.5mm **Type:** Chrome Cone Part No. **611077** LIST	20 **Thread Size:** 12mm x 1.50 **Hex Size:** 19mm **Height:** 27.9mm **Type:** External Threads Part No. **611109** LIST	21 **Thread Size:** 14mm-1.50 **Hex Size:** 22mm (7/8") **Height:** 20.5mm **Type:** Cone Part No. **611110** LIST	22 **Thread Size:** 14mm-1.50 **Hex Size:** 22mm (7/8") **Height:** 28.5mm **Type:** Cone Part No. **611115** LIST	23 **Thread Size:** 1/2"-20 **Hex Size:** 3/4" **Height:** 1-21/64" **Type:** SS P-Nut Part No. **611122** LIST	24 LIST

Part No. 501426 — **96 PIECES • 18 ITEMS • 12017 TRAY** — CATALOG SECTION **H14**

TOP SELLING ASSORTMENTS



Part No. 501340 **56 PIECES • 28 ITEMS • 12062 TRAY** **CATALOG SECTION H15**



Part No. 501443 **88 PIECES • 19 ITEMS • 12017 TRAY** **CATALOG SECTION H14**

TOP SELLING ASSORTMENTS

ASSORTMENT
WHEEL STUDS

PART NO. **610010**
Illustrations are actual size.
610010

TRAY NO. 12017

NOTE: ☐ Boxed code indicates popular head markings.

1 — 610103 — TT, VV 1999-62 Chrysler Corp. LIST	2 — 610138 — AB 2002-64 GM Products LIST	3 — 610159 — ES 2002-71 GM Products LIST	4 LIST	5 — 610179 — EY 1991-71 GM Truck 1991-74 Jeep LIST	6 — 610186 — V, J 1991-51 Chevy/GM Truck 1991-74 Jeep LIST
7 — 610235 — FR 1997-75 Ford Motor Corp. LIST	8 — 610244 — T.2.0. 2005-90 Lexus 2009-68 Toyota LIST	9 — 610253 — M.1.0. 2009-82 Chrysler Corp. 2009-78 Dodge 1987-76 GM LIST	10 — 610254 — M.1.1. 2002-91 Ford 2009-79 GM 1995-94 Honda 2008-91 Isuzu 2008-05 Saab 2009-91 Saturn LIST	11 — 610266 — T.6.0. 2009-85 Chevy 2009-89 GEO 2009-90 Lexus 2009-73 Toyota LIST	12 — 610269 — H.3.0. 2008-86 Acura 2008-80 Honda LIST
13 — 610275 — C.1.2. 1997-71 Chry./Dod./Ply. 2001-94 Hyundai 1999-83 Mitsubishi LIST	14 — 610285 — M.7.8. 2005-82 Chrysler 2005-81 Dodge & Dodge Truck 2005-93 Mazda 2001-84 Plymouth LIST	15 LIST	16 — 610306 — FM3 1995-90 Ford 1991-90 Lincoln 1994-90 Mercury LIST	17 — 610312 2009-89 Dodge Truck 2009-96 Lexus 2009-83 Mitsubishi 2009-79 Toyota LIST	18 — 610318 2006-78 Audi 1982-77 Porsche 2008-92 Volkswagen LIST
19 — 610320 — D.3.0., D.1.0. 2008-90 Infiniti 2008-72 Nissan LIST	20 — 610340 2009-89 Ford 2007-94 Hyundai 2005-95 Kia 2008-88 Mazda 2009-91 Mercury LIST	21 — 610367 2006-91 BMW 2001-97 Cadillac 2006-03 Mini Cooper 1992-91 Pontiac 2008-94 Saab LIST	22 — 610364 2005-93 Dodge Truck 2008-93 Chrysler Corp. LIST	23 — 610378 2008-90 Nissan 2008-90 Infiniti LIST	24 — 610414 2008-95 Chry. 2008-85 Dodge 2006-89 Hyundai 2008-85 Mitsubishi LIST

Part No. 610010 **88 PIECES • 22 ITEMS • 12017 TRAY** CATALOG SECTION H14

ASSORTMENT
WHEEL NUTS

PART NO. **610011**
Illustrations are actual size.
610011

TRAY NO. 12050

*BULGE NUTS HAVE 60° CONE SEAT. FOR OE ALLOY WHEELS / +OE FOR HONDA, SPECIAL SEAT

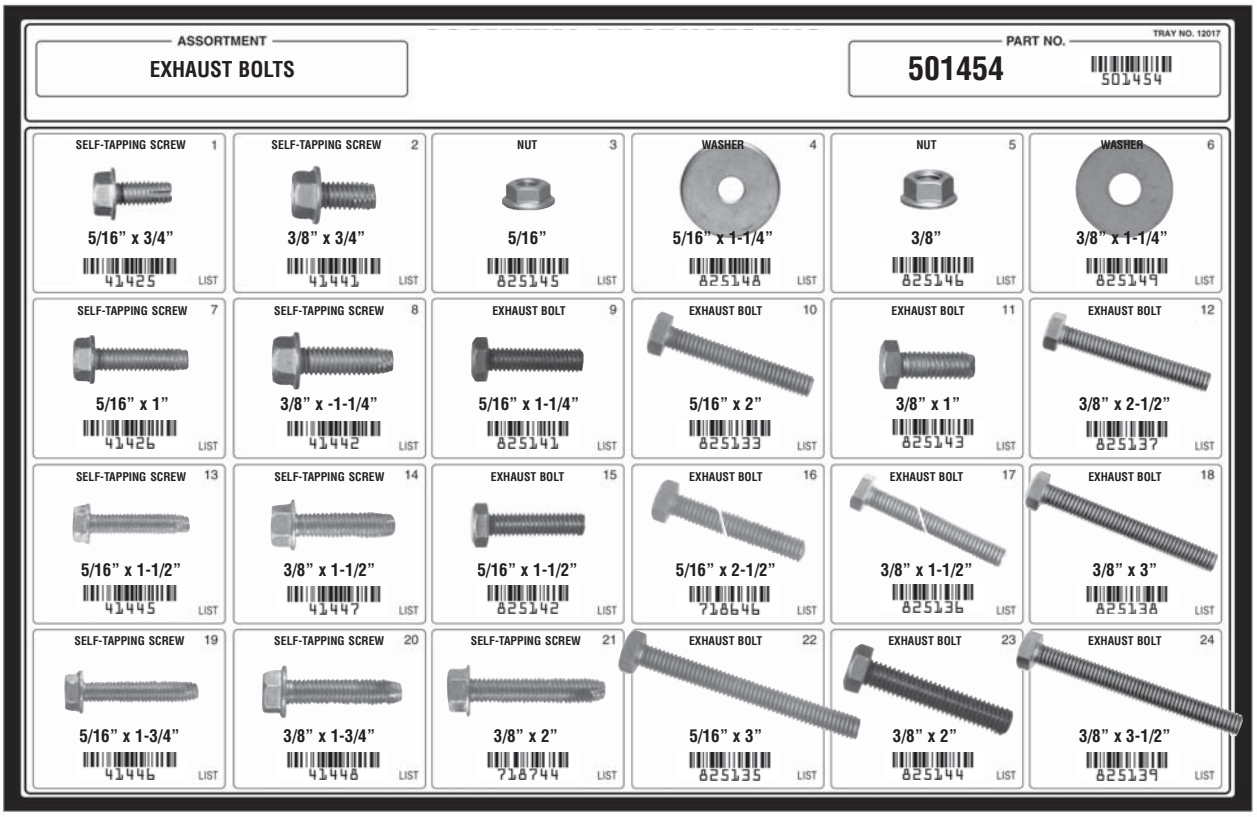
1 — 611014 **Thread Size:** 7/16"-20 **Hex Size:** 3/4" **Height:** 9/16" **Type:** Cone LIST	2 — 611016 **Thread Size:** 1/2"-20 **Hex Size:** 13/16" **Height:** 5/8" **Type:** Cone LIST	3 — 611027 **Thread Size:** 1/2"-20 **Hex Size:** 3/4" **Height:** 9/16" **Type:** Cone LIST	4 — 611062 **Thread Size:** 12mm-1.50 **Hex Size:** 19mm (3/4") **Height:** 14mm **Type:** Cone LIST
5 — 611063 **Thread Size:** 12mm-1.50 **Hex Size:** 19mm (3/4") **Height:** 23mm **Type:** P-Nut LIST	6 — 611064 **Thread Size:** 12mm-1.25 **Hex Size:** 19mm (3/4") **Height:** 16mm **Type:** Cone LIST	7 — 611065 **Thread Size:** 12mm-1.25 **Hex Size:** 21mm (13/16") **Height:** 16mm **Type:** P-Nut LIST	8 — 611066 **Thread Size:** 12mm-1.50 **Hex Size:** 21mm (13/16") **Height:** 16mm **Type:** Cone LIST
9 — 611072 **Thread Size:** 12mm-1.50 **Hex Size:** 21mm (13/16") **Height:** 18mm **Type:** Cone LIST	10 — 611075 **Thread Size:** 12mm-1.50 **Hex Size:** 19mm (3/4") **Height:** 24.5mm **Type:** Chrome Ball Faced+ LIST	11 — 611087 **Thread Size:** 12mm-1.25 **Hex Size:** 19mm (3/4") **Height:** 29.5mm **Type:** SS Capped P-Nut LIST	12 — 611109 **Thread Size:** 12mm x 1.50 **Hex Size:** 19mm **Height:** 27.9mm **Type:** External Threads LIST
13 LIST	14 — 611250 **Thread Size:** 12mm-1.50 **Hex Size:** 3/4" **Height:** 1-13/32" **Type:** Chrome Bulge Nut* LIST	15 — 611252 **Thread Size:** 1/2"-20 **Hex Size:** 3/4" **Height:** 1-13/32" **Type:** Chrome Bulge Nut* LIST	16 LIST

Part No. 610011 **88 PIECES • 14 ITEMS • 12050 TRAY** CATALOG SECTION H14

TOP SELLING ASSORTMENTS

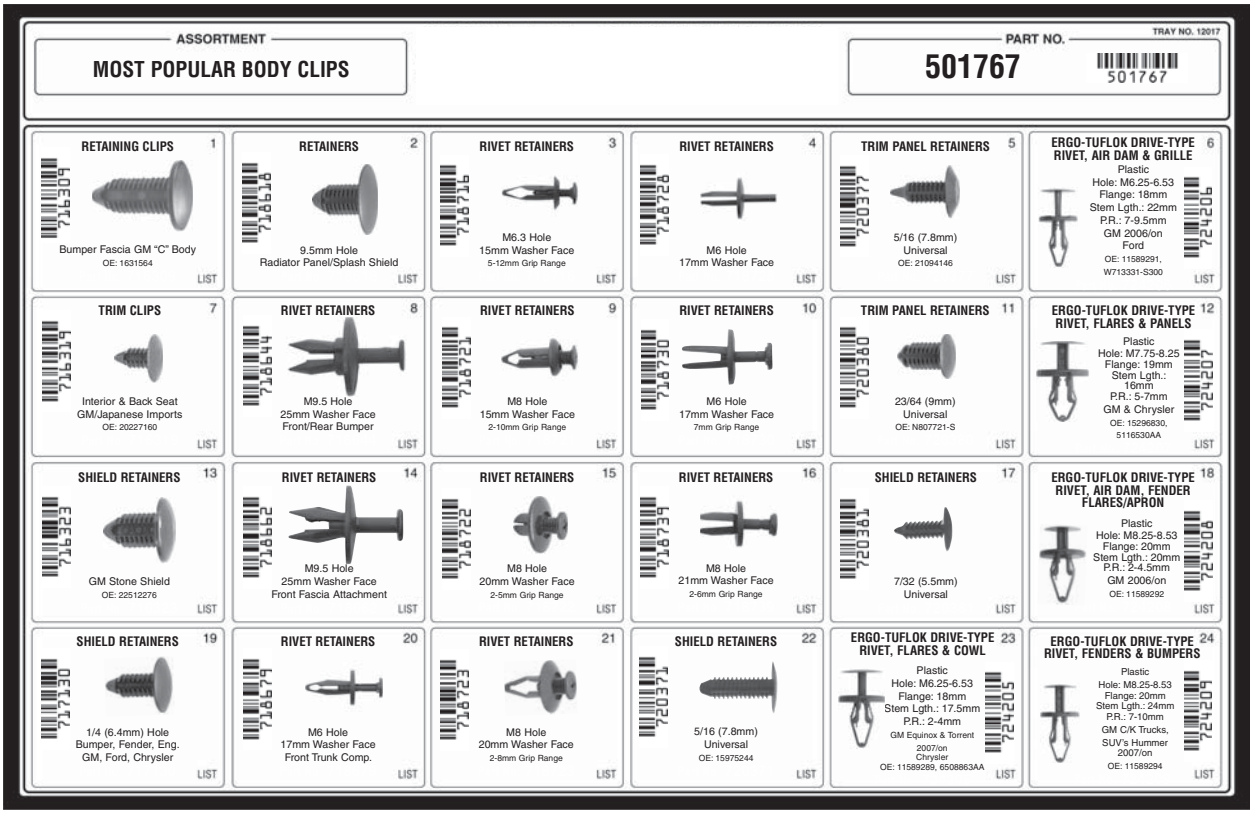


Part No. 501735 **137 PIECES • 18 ITEMS • 12071 TRAY** CATALOG SECTION H15

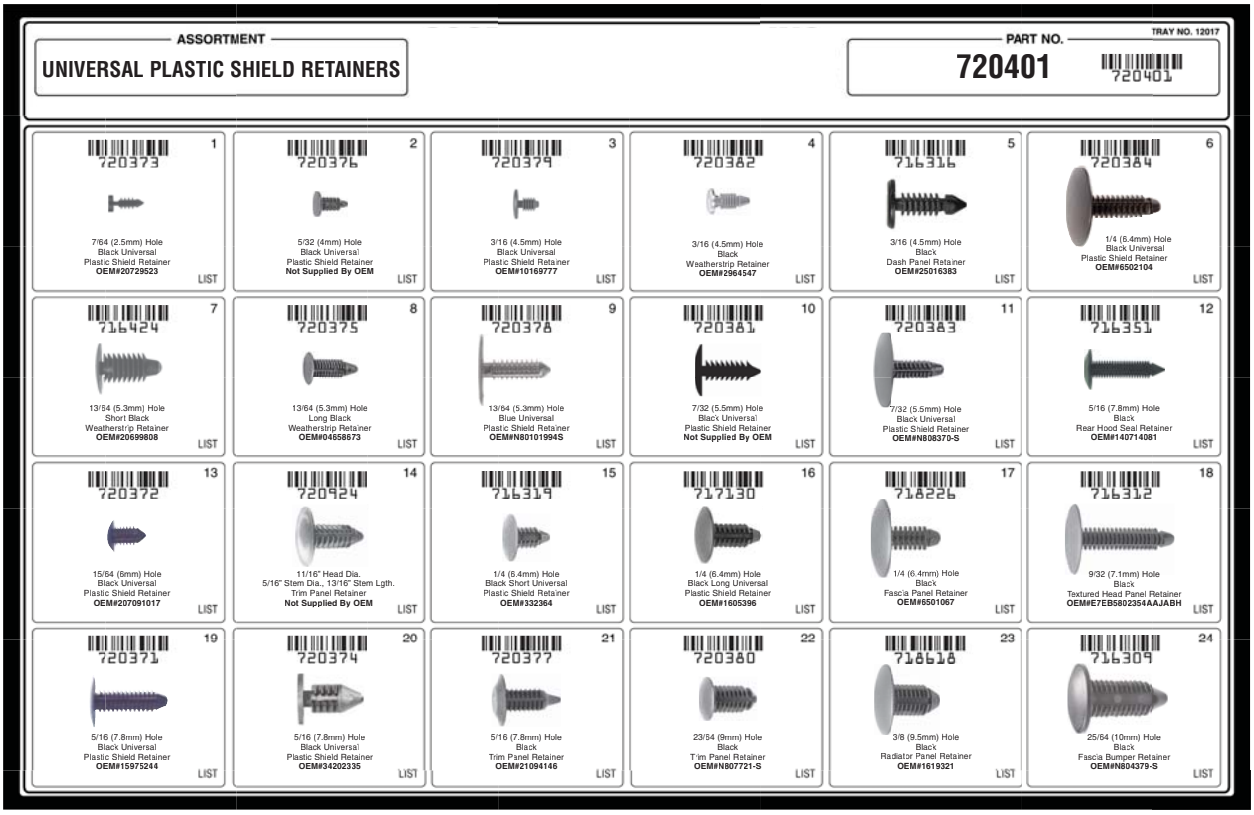


Part No. 501454 **320 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION H19

TOP SELLING ASSORTMENTS

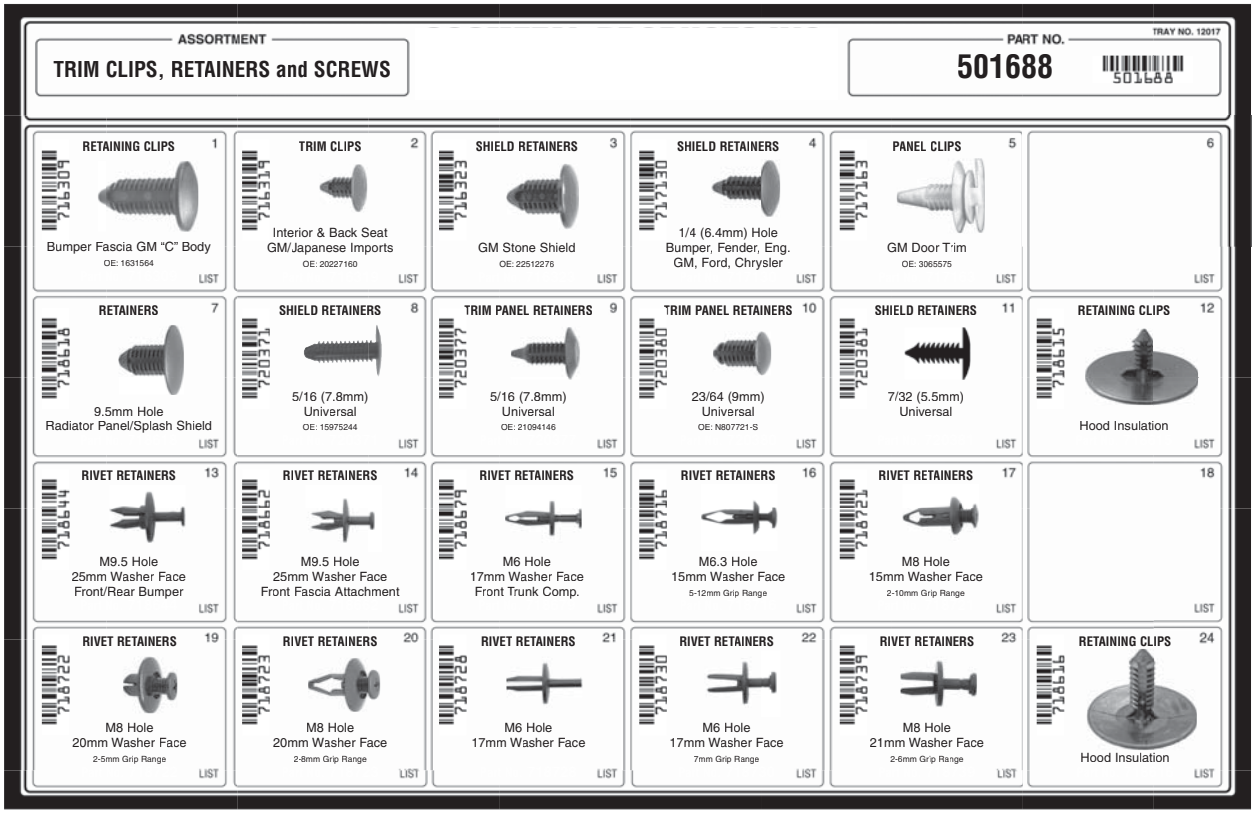


Part No. 501767 **300 PIECES • 24 ITEMS • 12017 TRAY** **CATALOG SECTION J10**

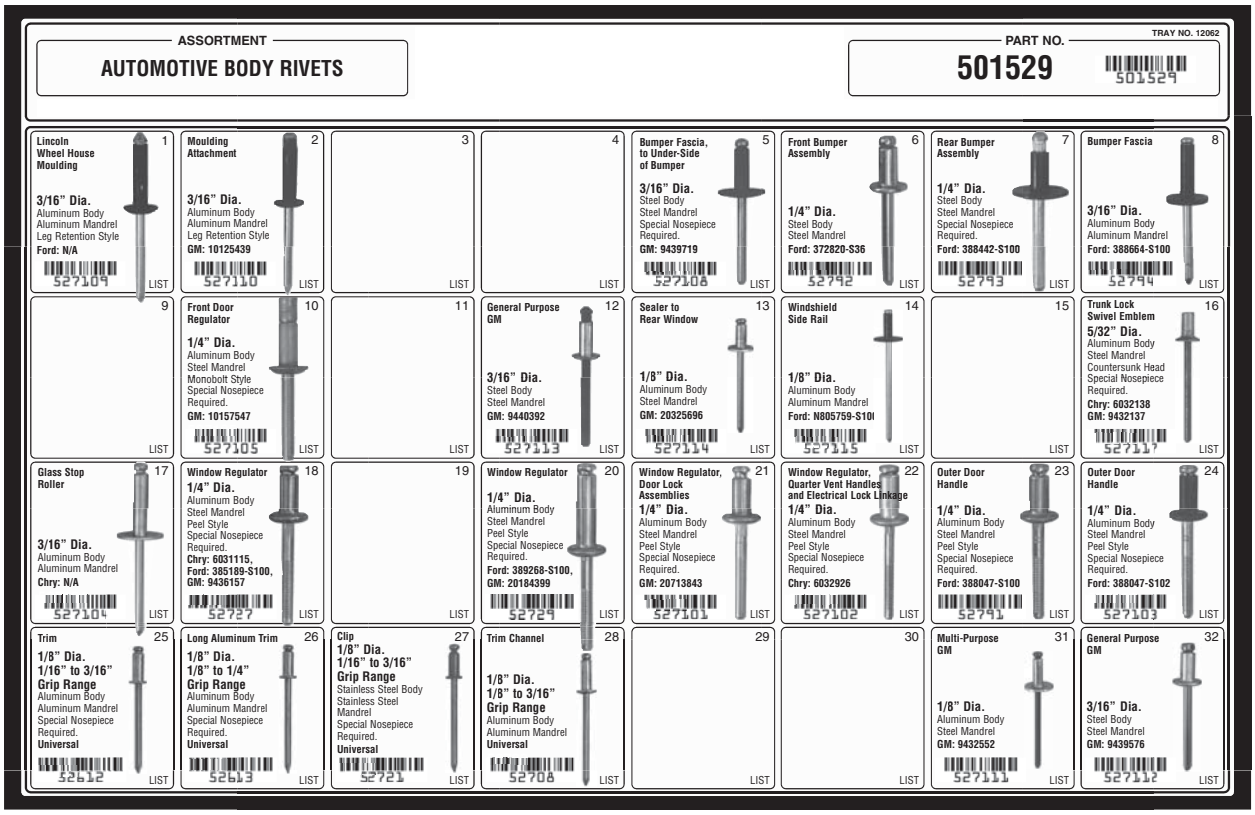


Part No. 720401 **500 PIECES • 24 ITEMS • 12017 TRAY** **CATALOG SECTION J10**

TOP SELLING ASSORTMENTS

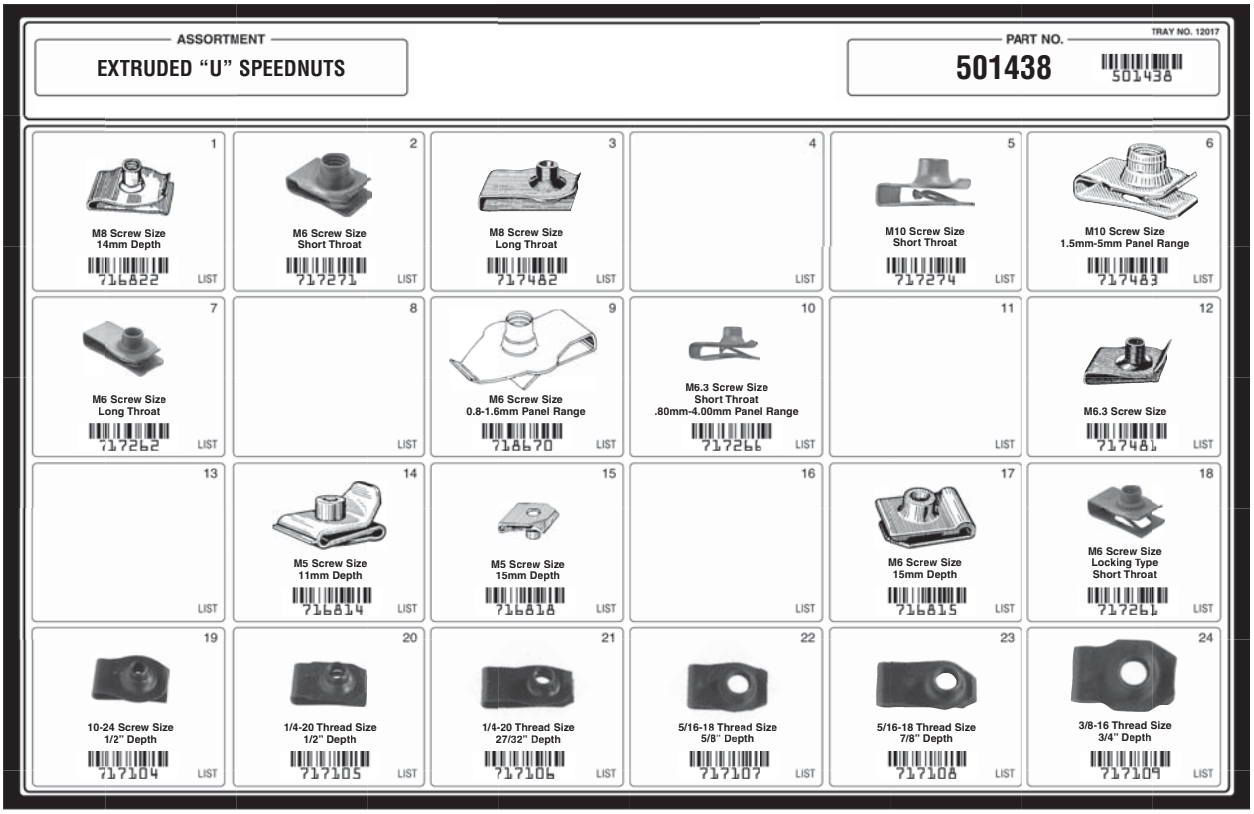


Part No. 501688 **345 PIECES • 22 ITEMS • 12017 TRAY** **CATALOG SECTION J10**

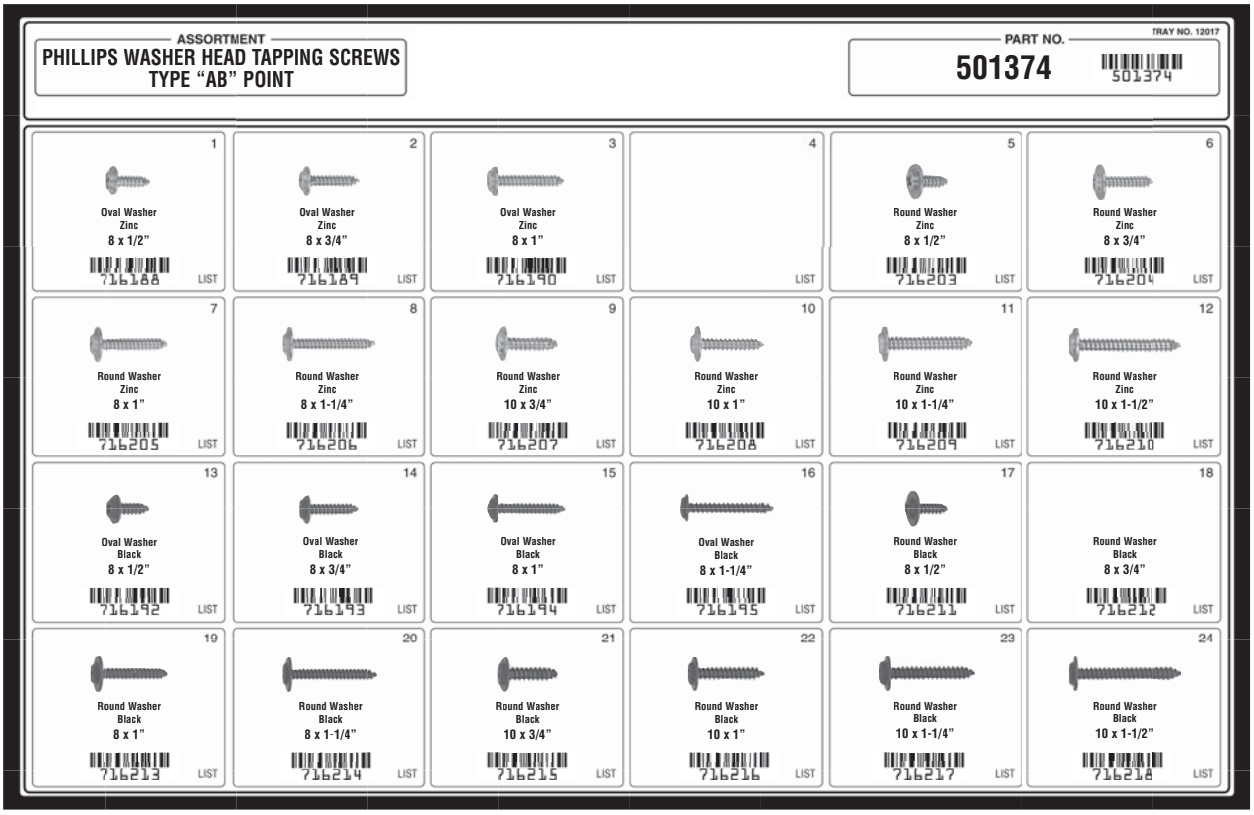


Part No. 501529 **275 PIECES • 24 ITEMS • 12062 TRAY** **CATALOG SECTION J10**

TOP SELLING ASSORTMENTS



Part No. 501438 **170 PIECES • 19 ITEMS • 12017 TRAY** **CATALOG SECTION J10**



Part No. 501374 **490 PIECES • 23 ITEMS • 12017 TRAY** **CATALOG SECTION J10**

TOP SELLING ASSORTMENTS

ASSORTMENT
PLATED FENDER WASHERS

PART NO. **501483** 501483

TRAY NO. 12050

1 **Bolt size: 1/4" Thickness: 1/16" Diameter: 1-1/4"** 717141 LIST	2 **Bolt size: 5/16" Thickness: 1/16" Diameter: 1-1/2"** 716492 LIST	3 **Bolt size: 3/8" Thickness: 1/8" Diameter: 1-3/4"** 716483 LIST	4 **Bolt size: 3/8" Thickness: 1/16" Diameter: 2"** 716497 LIST
5 **Bolt size: 1/4" Thickness: 1/16" Diameter: 5/8"** 717140 LIST	6 **Bolt size: 5/16" Thickness: 1/8" Diameter: 1-1/4"** 716481 LIST	7 **Bolt size: 3/8" Thickness: 1/16" Diameter: 1-3/4"** 716493 LIST	8 **Bolt size: 1/2" Thickness: 1/8" Diameter: 2"** 716484 LIST
9 **Bolt size: 3/16" Thickness: 1/16" Diameter: 3/4"** 716491 LIST	10 **Bolt size: 5/16" Thickness: 1/16" Diameter: 1-1/4"** 717143 LIST	11 **Bolt size: 3/8" Thickness: 1/16" Diameter: 1-1/2"** 717145 LIST	12 **Bolt size: 1/2" Thickness: 1/16" Diameter: 2"** 716495 LIST
13 **Bolt size: 3/16" Thickness: 1/16" Diameter: 1/2"** 716490 LIST	14 **Bolt size: 5/16" Thickness: 1/16" Diameter: 3/4"** 717142 LIST	15 **Bolt size: 3/8" Thickness: 1/16" Diameter: 1-1/4"** 717144 LIST	16 **Bolt size: 1/2" Thickness: 1/16" Diameter: 1-1/2"** 716494 LIST

Part No. 501483 **325 PIECES • 16 ITEMS • 12050 TRAY** CATALOG SECTION J10

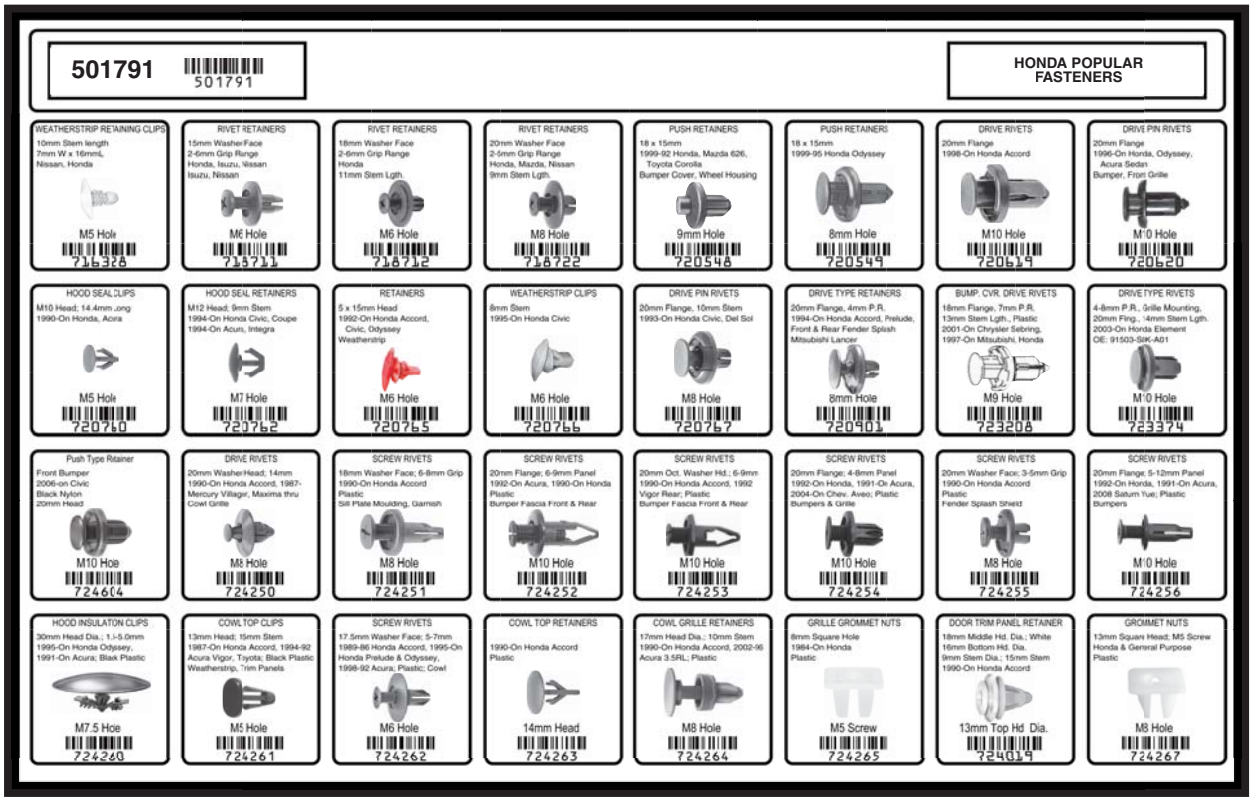
QUICK MOVERS
BODY SHOP

501777 501777

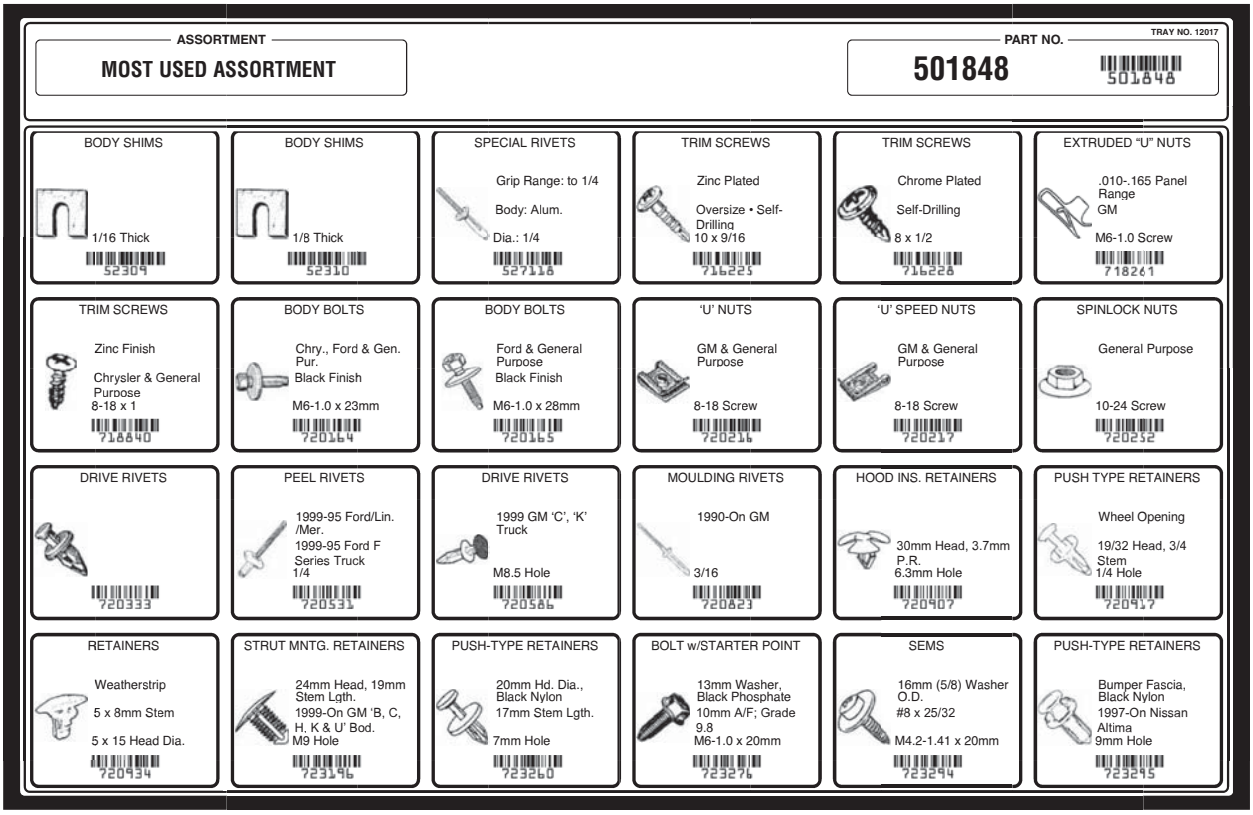
TAPPING SCREWS Black Finish Indented Hex Head GM, General Purpose M4.2 x 20mm 717451	METRIC EXTRUDED NUT SHORT THROAT 6mm 717261	METRIC EXTRUDED NUT LONG THROAT 6mm 717262	TRIM SCREWS Phillips Washer Head Black Phosphate Self-Drilling 8 x 1/2 716219	SPECIAL RIVETS 1981-75 Ford, GM, AMC & Chrysler Window Regulator, Glass Stop & Door Split Rivet 1/4 Dia. 52727	SPECIAL RIVETS 1981-78 GM Window Regulator, Glass Stop & Door Split Rivet 1/4 Dia. 52729
THUMB SCREWS Dealer License Plate 14 x 1/2 702549	LIC. PLATE SCREW Slotted Washer Head 1/4 x 5/8 702560	SPLASH SHIELD CLIPS 17 x 11mm 1988-On Toyota Truck M8 Hole 720786	BUMPER RETAINERS 18mm Stem 1994-On Nissan Maxima, 240SX M10 Hole 720796	DRIVE TYPE RETAINERS 1994-On Honda Accord, Prelude, Acura Front & Rear Fender Splash Shield 20mm Flange, 4mm P.R. 8mm Hole 720901	RETAINERS 1995-On Toyota Avalon Weatherstrip 5 x 15m Head, 10mm Stem 6mm Hole 720965
SCREW GROMMETS 1998-On Toyota Solara Fender Lining; Black 20mm Head, 22mm Stem, #12 Screw 8 x 18mm Hole 720986	LICENSE PLATE SCREWS Phil./Sltd. Pan Type B Sheet Metal Screw 1/4-14 x 5/8 723028	DRIVE BUMPER RETAINERS 6.3mm P.R., Plastic 18mm Flange, 10mm Stem Lgth. 1994-On Nissan Maxima, Sentra M8 Hole 723186	RETAINERS 1988-83 GM Rear Hood Seal 716351	DRIVE TYPE RIVETS Front Bumper, Plastic 3 - 5mm Panel Range 20mm Flange; 26mm Stem Lgth. M8 Hole 723309	DRIVE TYPE RIVETS 4-8mm P.R., Grille Mounting, Plastic 20mm Flng., 14mm Stem Lgth. 2003-On Honda Element M10 Hole 723374
DRIVE TYPE RIVETS 1991-On GM Saturn; 1999-On GM C/K Truck 20mm Flange; Plastic Wheelwells, Splash Shield. Bumoers M8 Hole 724133	ERGO-TUFLOK DRIVE Cowl Vent & Fender; Plastic; 20mm Flange 4.5-7mm P. R.;21.5mm Stem 1997-On GM 'W' & Hummer M8.25-M8.53 Hole 724139	DRIVE TYPE RIVETS Engine Under Cover; Plastic; 20mm Flange 2.2-6.5mm P.R.; 10mm Stem Lgth. 2002-On Toyota Avalon. Camrv. M7 Hole 724461	PUSH TYPE RETAINERS Black Nylon 1991-On Ford Saturn M8 Hole 724603	NYLON BLIND RIVETS M4.0 - 10.5 Grip Range M16.5 Head Dia. M6.3 Hole Dia. 817110	NYLON BLIND RIVETS M7.5 - 11.0 Grip Range M16.5 Head Dia. Ford M6.3 Hole Dia. 817116

Part No. 501777 **313 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION J10

TOP SELLING ASSORTMENTS



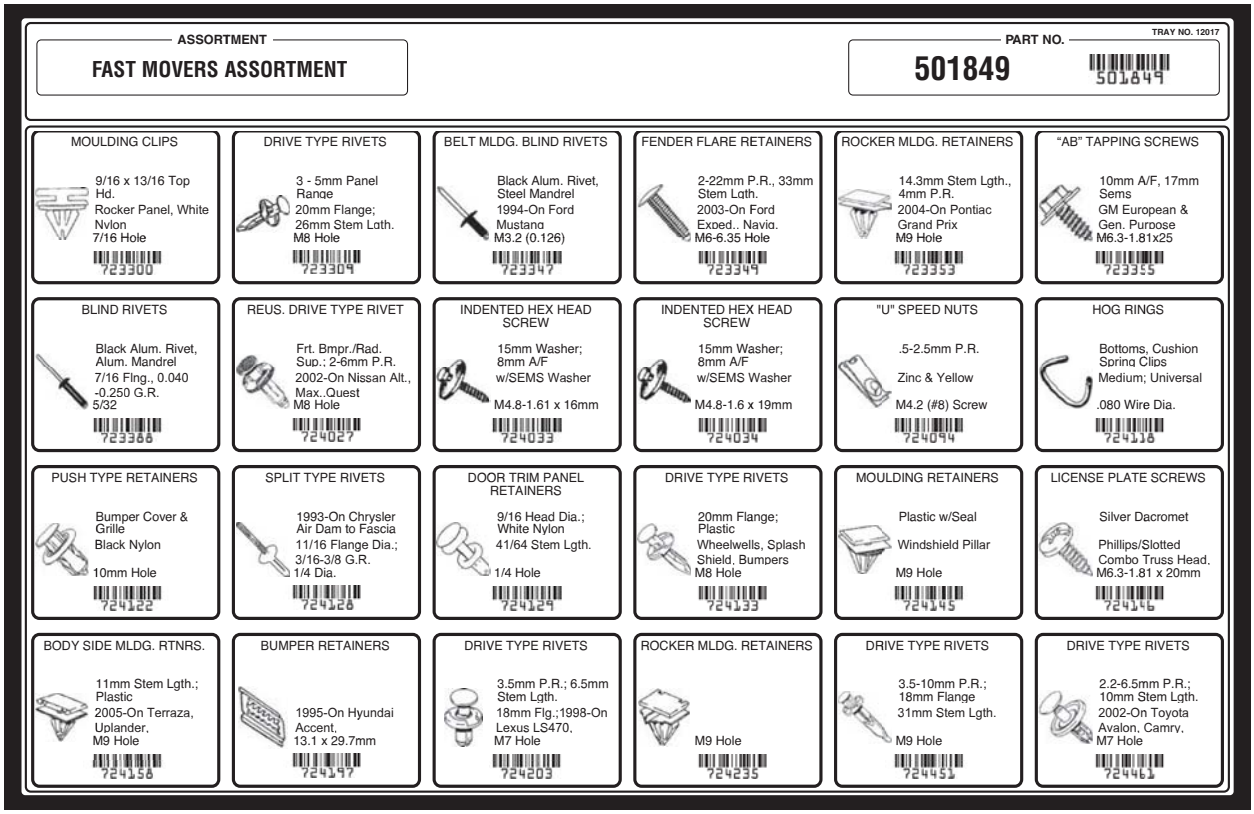
Part No. 501791 **100 PIECES • 32 ITEMS • 12062 TRAY** **CATALOG SECTION NIC**



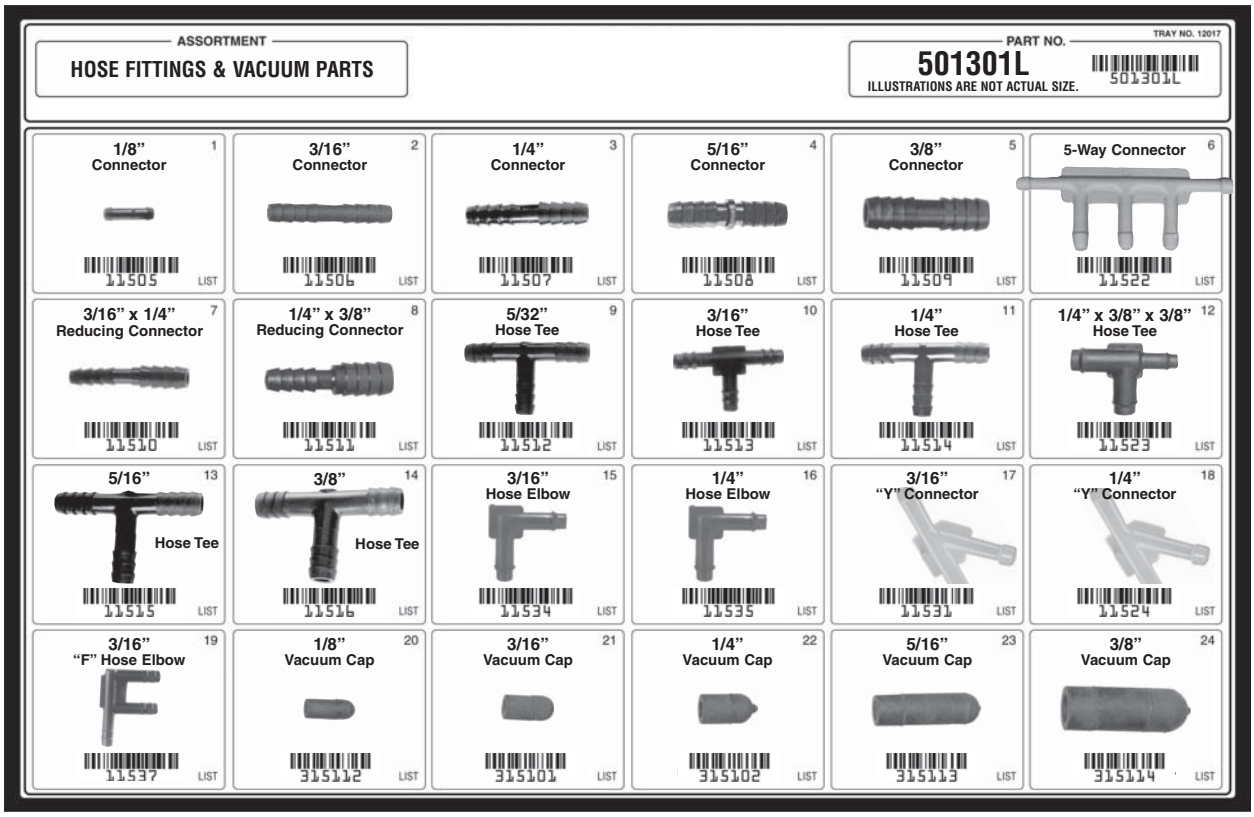
Part No. 501848 **268 PIECES • 24 ITEMS • 12017 TRAY** **CATALOG SECTION NIC**

TOP SELLING ASSORTMENTS

*Half quantities available, use "M" instead of "L"

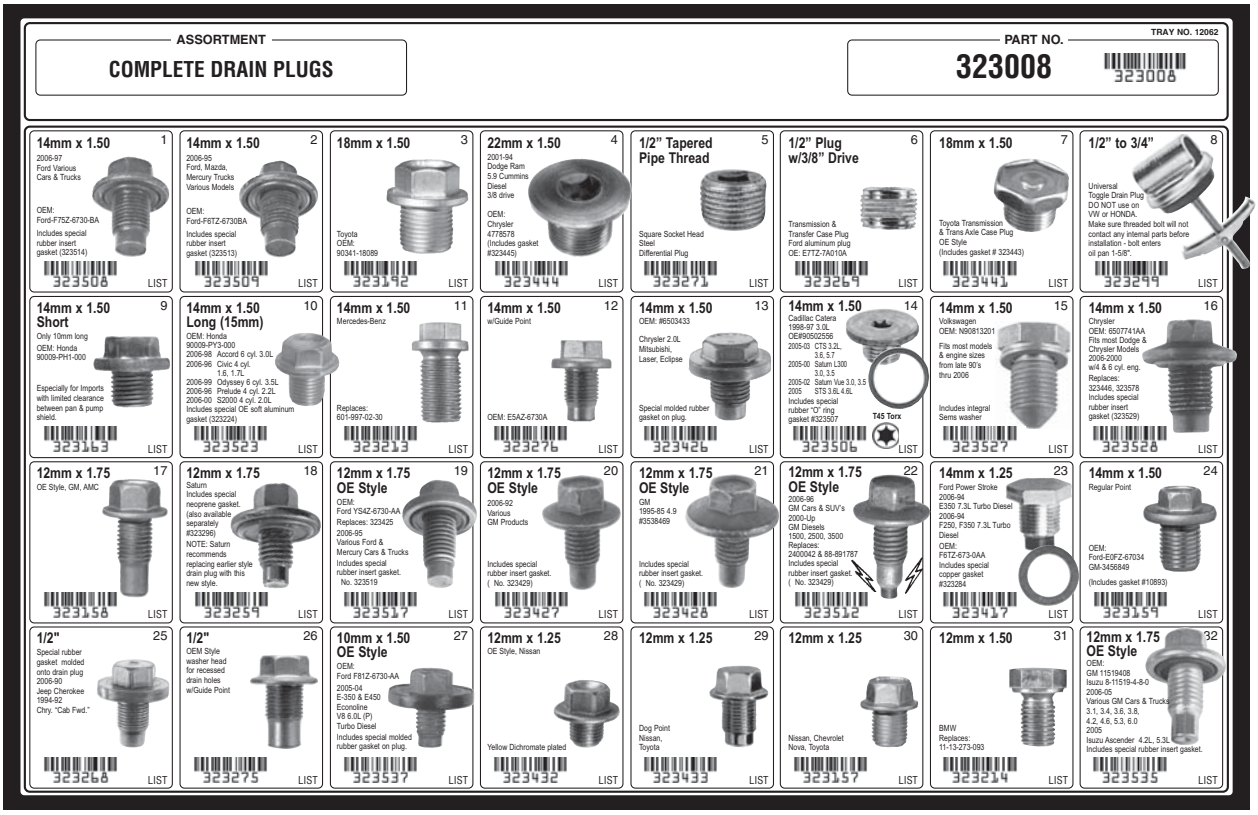


Part No. 501849 **276 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION NIC

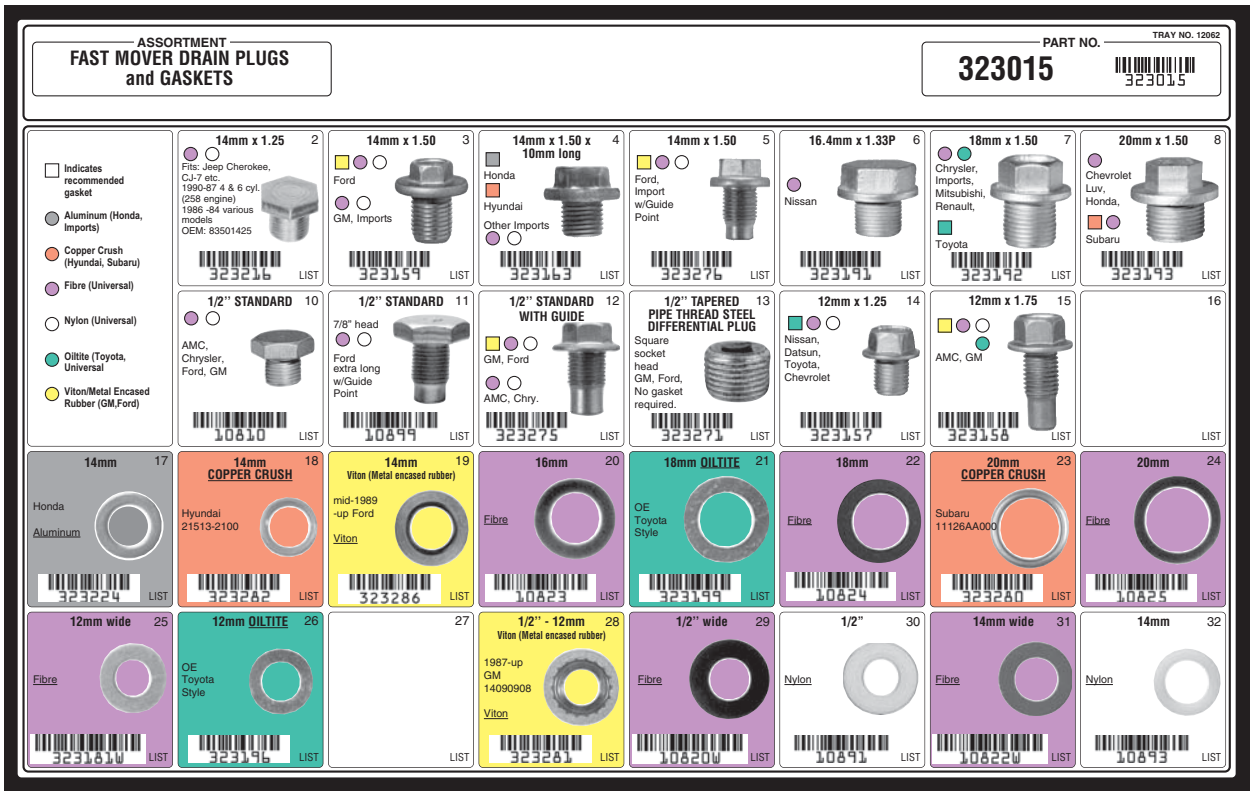


Part No. 501301L* **272 PIECES • 24 ITEMS • 12017 TRAY** CATALOG SECTION L11

TOP SELLING ASSORTMENTS

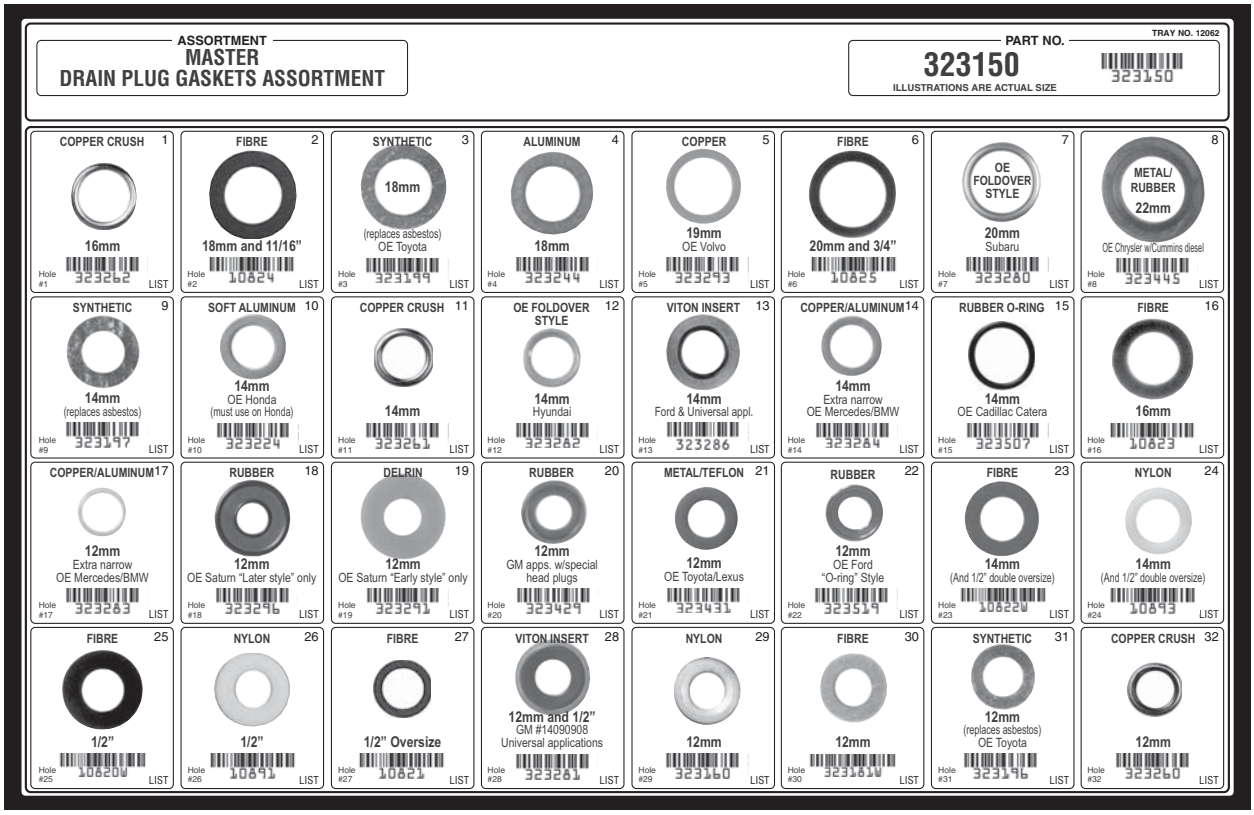


Part No. 323008 **84 PIECES • 32 ITEMS • 12062 TRAY** CATALOG SECTION L14

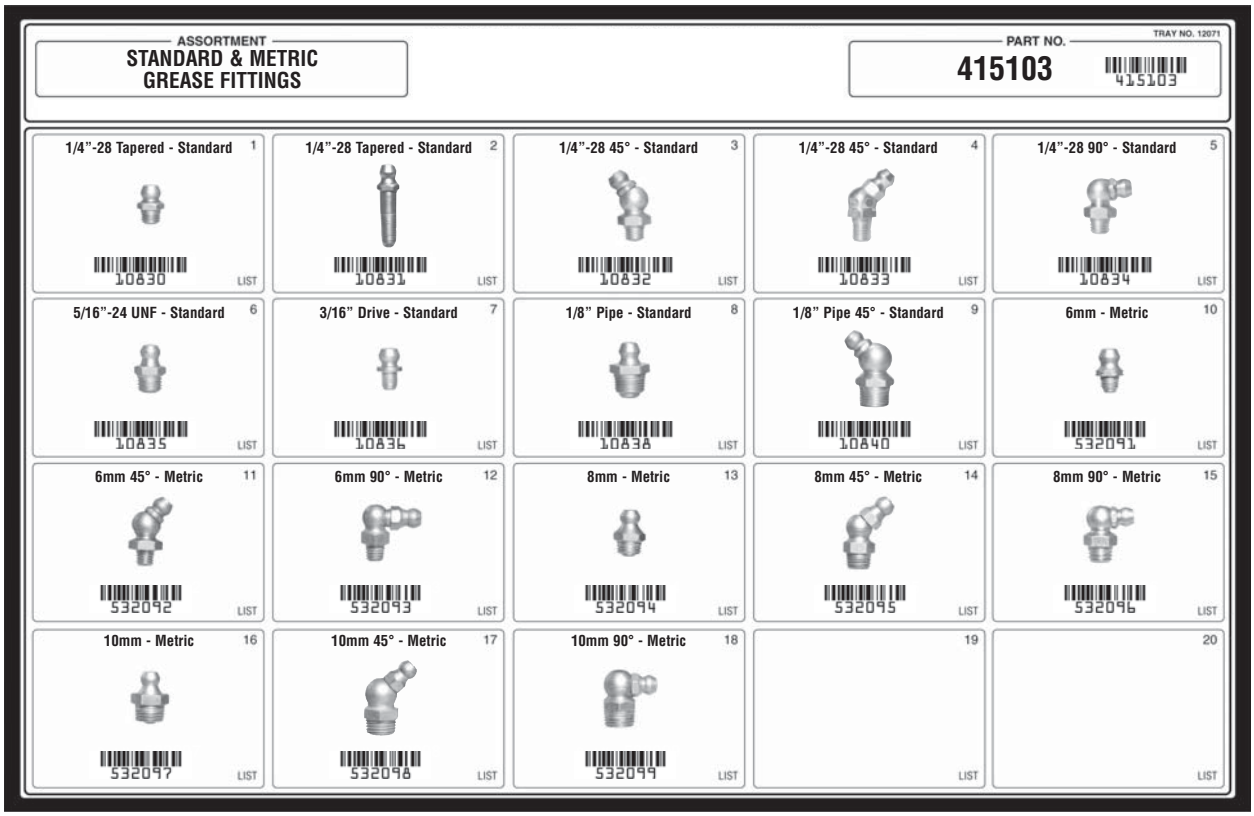


Part No. 323015 **525 PIECES • 28 ITEMS • 12062 TRAY** CATALOG SECTION L14

TOP SELLING ASSORTMENTS

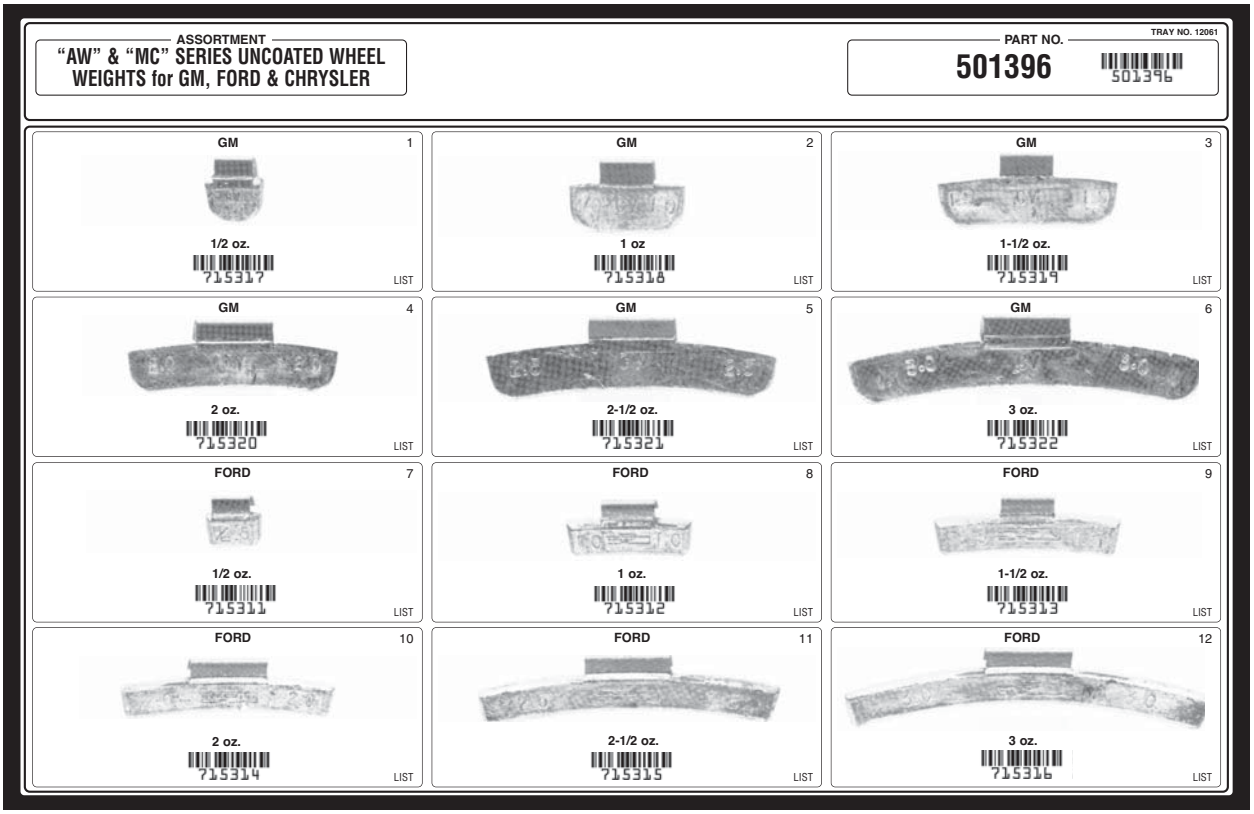


Part No. 323150 **1135 PIECES • 32 ITEMS • 12062 TRAY** CATALOG SECTION L14



Part No. 415103 **400 PIECES • 18 ITEMS • 12071 TRAY** CATALOG SECTION L14

TOP SELLING ASSORTMENTS



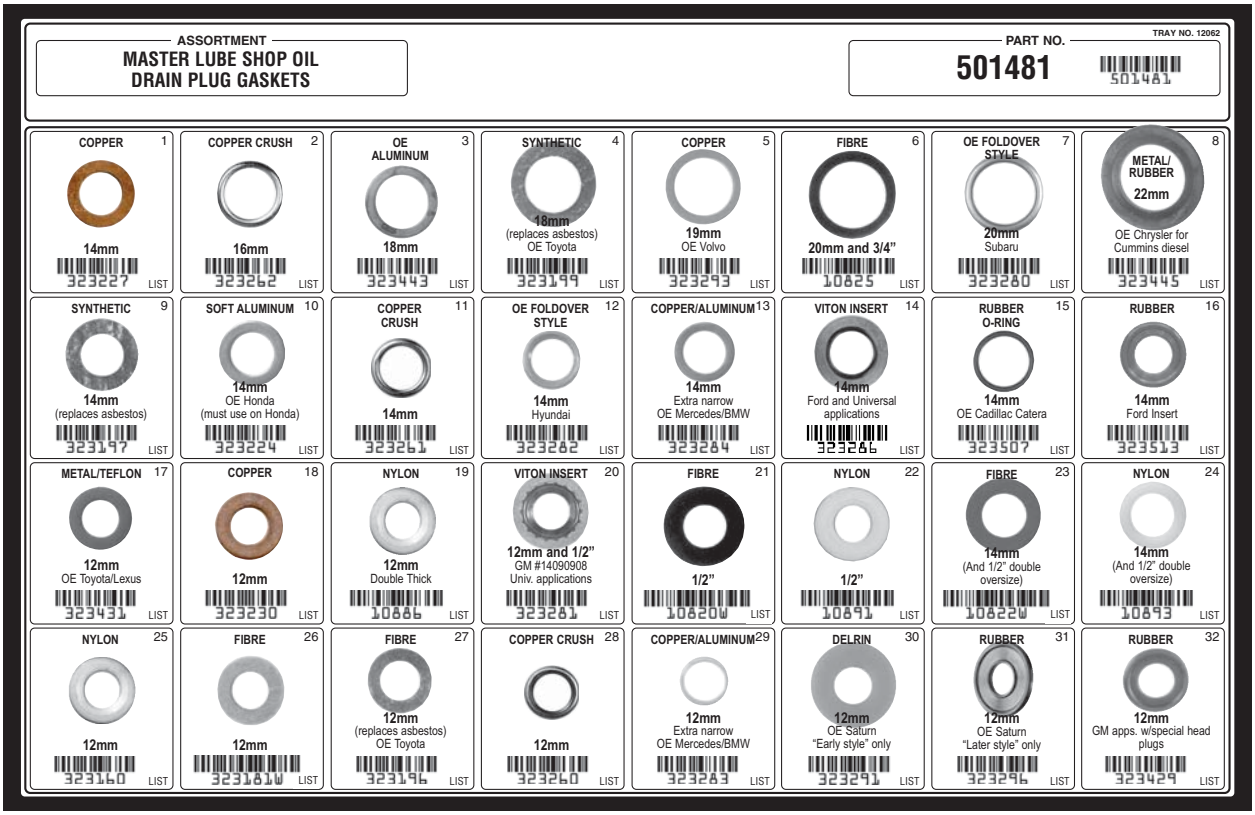
Part No. 501396 **112 PIECES • 12 ITEMS • 12061 TRAY** CATALOG SECTION H10



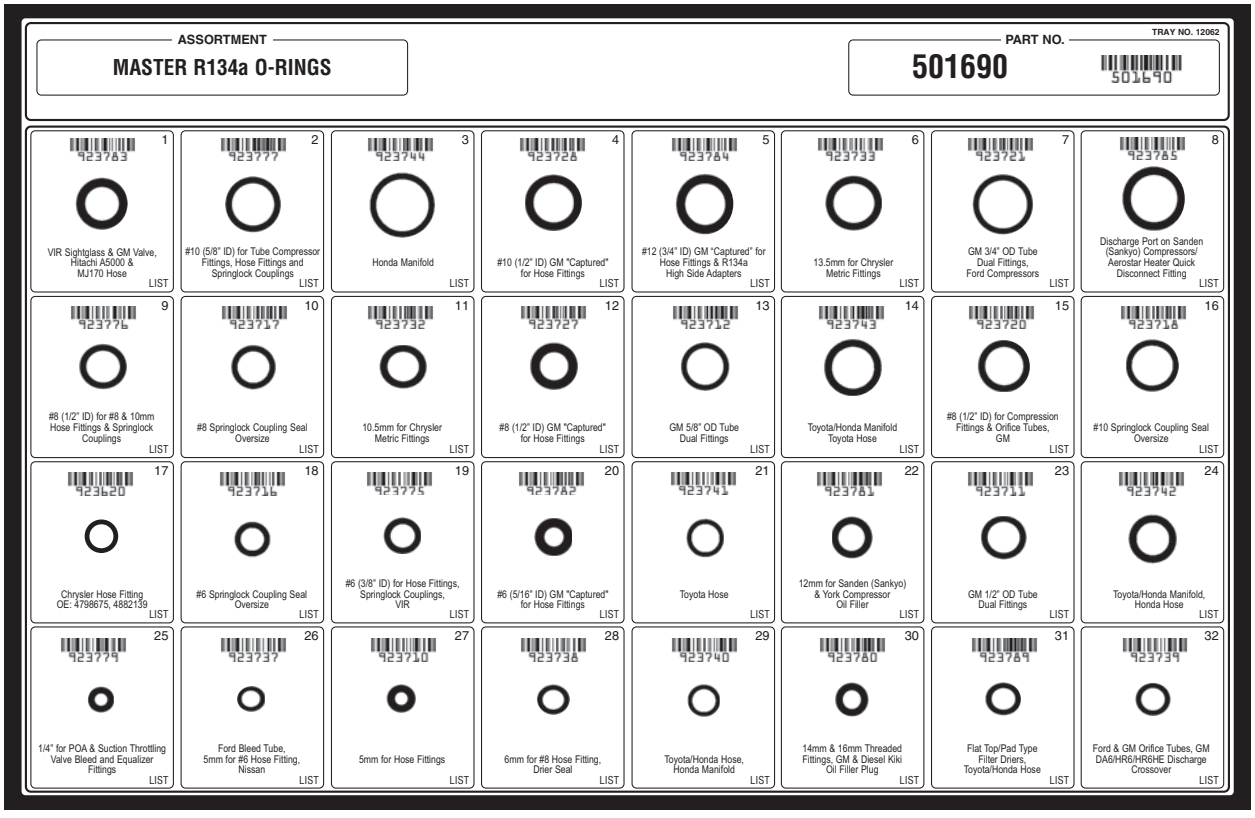
- Contains 53 different weights - (AW, MC, IAW, LH, FN, TN and EN Series.
- AW, MC, LH, T Series - 1/4 to 2 ounces.
- IAW, EN, FN - 10 to 40 grams.

Part No. 715000 **1325 PIECES** CATALOG SECTION H10

TOP SELLING ASSORTMENTS



Part No. 501481 **488 PIECES • 32 ITEMS • 12062 TRAY** **CATALOG SECTION L14**



Part No. 501690 **740 PIECES • 32 ITEMS • 12062 TRAY** **CATALOG SECTION L17**

NUMERICAL ORDER of ASSORTMENTS

PART NO.	DESCRIPTION
10201	Standard Hose Clamps
10203	Large Hose Clamps
32110	General Purpose Primary Wire Starter Assortment
210748	Seamless Copper Starter Lugs
210749	Seamless Copper Starter Lugs
214102	Universal Extension Springs
323008	Complete Oil Drain Plugs
323015	Fast Mover Drain Plugs and Gaskets
323150	Master Drain Plug Gaskets Assortment
405203	Phillips Head Machine Screws and Nuts
415103	Standard and Metric Grease Fittings
501001L*	Grade 5 USS Cap Screws, Nuts and Washers
501004	Phillips Binding Head Sheet Metal Screws
501008L*	Steel Cotter Pins (Small Diameter)
501009L*	Steel Cotter Pins (Large Diameter)
501011	Battery Terminals and Lugs
501012	Coarse Thread Metric Cap Screws, Hex Nuts & Washers
501016L*	Vinyl Insulated Solderless Terminals
501019	Brass Compression Fittings (Small and Large)
501020	Round Head Machine Screws and Hex Nuts
501023	Brass Pipe Fittings
501025	Buna-A-Rubber O-Rings (Small Diameter)
501033	Metric Class 10.9 Coarse Most Popular Fasteners
501036	Fine Thread Metric Cap Screws, Hex Nuts & Washers
501037	Socket Head Set Screws - USS and SAE
501041	Metric Class 8.8 Coarse Most Popular Fasteners
501054L*	Metric Class 8.8 Coarse/Fine Most Popular Fasteners
501066	Socket Head Cap Screws and Lock Washers
501070	Buna-A-Rubber O-Rings (Large Diameter)
501075	Internal Retaining Rings
501076	External Retaining Rings
501077	Internal and External Retaining Rings
501081	Metric Socket Cap Screws
501083	Blind Rivets
501087	Grade 8 USS & SAE Small Dia. Popular Fasteners
501089	Spring Roll Pins
501090	Spring Roll Pins
501091	Grade 8 USS Popular Fasteners
501095L*	Grade 8 Prevailing Torque Lock Nuts
501096	Aluminum Blind Rivets
501097	Grade 8 SAE Popular Fasteners
501098	Grade 5 USS Small & Large Dia. Popular Fasteners
501099	Grade 8 USS Small & Large Dia. Popular Fasteners
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501312	Metric Hardware
501316	Flat/Socket Head Cap Screws
501333	Master General Purpose Non-Insulated Solderless Terminals
501340	Brake Adapters
501353	18-8 Hex Cap Screws and Nuts
501358	SS Phillips Pan Head Machine Screws and Nuts
501362	18-8 SS Phillips Pan Head Sheet Metal Screws
501367	18-8 SS Cotter Pins
501369	18-8 SS Socket Head Cap Screws
501374	Phillips Washer Head Tapping Screws Type “AB” Point
501386	Metric Class 10.9 Coarse Most Popular Fasteners
501387	Grade 10.9 Metric Fastener Shop Assortment
501390L*	Drill ‘N Tap Teks® Screws
501393	100% SS Hose Clamps
501394	SS Hose Clamps
501396	“AW” & “MC” Series Uncoated Wheel Weights for GM, Ford & Chrysler
501405	Assorted Metric Phillips Head Machine Screws
501419	Master Coated Wheel Weights
501426	Standard Wheel Nuts
501438	Extruded “U” Speednuts
501443	Special Wheel Nuts
501454	Exhaust Bolts
501455	Phillips Flat Head Steel Wood Screws
501460	Grade 8 USS Small & Large Dia. Popular Fasteners
501471L*	Solder ‘N Seal Terminals
501472	Permatite “Double Crimp” Terminals
501476	Shrink ‘N Seal Terminals
501481	Lube Shop Oil Drain Plug Gaskets
501483	Plated Fender Washers
501489	Oval Head Phillips Machine Screws and Nuts
501490	Flat Head Phillips Sheet Metal Screws
501492	Flat Head Phillips Machine Screws and Hex Nuts
501494	Pan Head Phillips Machine Screws and Nuts
501508	Hose Clamps (European Style)
501511	Uni-Seal, Dual Wall Heat Shrink Tubing
501516	316 SS Hex Cap Screws, Nuts, Flat and Lock Washers
501529	Automotive Body Rivets
501556	Fastube Instant Airbrake and Accessory Fittings
501565	Square Keystock
501575	Solderbond Battery Slugs and Tubing
501585L*	Black Drill ‘N Tap Screws
501587	Permatite “Double Crimp” Industrial Terminals
501588	Permatite “Double Crimp” Industrial Terminal
501589	Permatite “Double Crimp” Industrial Terminals
501598	Universal and Single Hole Clevis Pins
501601	Lynch Pins and Hair Pin Cotters
501625	Phillips Pan Head Teks® Screws (Zinc)
501626	Pan Head Phillips Teks® Screws (Black Oxide)
501627	Hitch Pin (Hair Pin) Cotters
501648	FR Grade Heavy Wall, Heat Shrink Tubing w/Sealer
501650	Class 10.9 (JIS) Small Head Hex Flange Bolts & Nuts
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501652	Grip-N-Serts
501662	Abrasive and Grinding
501663	Semi-Rigid, Multiple Wall, Heat Shrink Tubing w/Sealer
501667	1/0 and 2/0 Fleet Battery Terminals
501670	Low Profile Cable Ties
501679	E-Z, (ATC, ATO), Mini® and Maxi™ Master Fuses
501680	Deutsch DT Series Connectors
501684	Multilink Terminals
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501708	Aluminum Tubing and Cable Clips
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501735	Hydraulic Brake Line Tube Nut Master Assortment
501737	Pan Head Phillips (Black Oxide) Sheet Metal Screws
501738	Oval Head Phillips (Black Oxide) Sheet Metal Screws
501743	Standard and Heavy Duty Cable Ties
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501767	Most Popular Body Clips
501077	Quick Movers Body Shop
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610011	Wheel Nuts
615005	Domestic Glass Fuse Assortment
615011	Miniature Bulb Master Assortment
715000	Complete Master Wheel Weights Assortment
720401	Universal Plastic Shield Retainers

***Half quantities available, use “M” instead of “L”**











Here is a short list of the many industries we supply:

FLEET and TRANSPORTATION

Buses
Construction Materials
Local Trucks
Departments of Transportation
Law Enforcement
Over-the-Road Trucks
Quarries & Mines
Utilities
Airports

BUILDING MAINTENANCE

Commercial Buildings
Hospitals
Hotels/Motels
Government
Schools
Institutions

MANUFACTURING PLANTS

Food & Beverage
Lumber & Wood
Poultry
Paper
Petroleum Refining
Printing & Publishing
Rubber & Plastic
Stone & Concrete
Fabrication

GENERAL EQUIPMENT

Contractors
Equipment Rental
Marine
Construction
Quarries & Mines
Welding Shops

AGRICULTURAL

Farms
Cemeteries
Golf Courses

INFASCO CAP SCREWS

THE BOLT OF CHOICE FOR THE HEAVY EQUIPMENT INDUSTRY

Infasco is the largest manufacturer of Grade 5 and Grade 8 Cap Screws in North America. They are accepted and used by all branches of the Federal Government as well as GM, Ford, GE, Westinghouse, General Dynamics and many other national and international companies.

With Infasco Cap Screws, customers will be in full compliance with the new "Fastener Quality Act" (Public Law 101-592).



Grade 8 Infasco Fastener



Grade 5 Infasco Fastener

U.S. GOVERNMENT APPROVED

Infasco Bolts are Original Equipment on both MACK and CATERPILLAR Products

INFASCO FASTENERS VS. PRIVATE BRAND FASTENERS

Some nut and bolt distributors have fasteners made with their own private head markings. This is costly to them and to their customers. But, do you get anything more even though you are paying more?



Infasco Fasteners



Private Head Fasteners

Highest quality at a fair price - All certified bolts must meet the same industry standards.	Higher price without any increase in quality.
Infasco is Original Equipment for many well known manufacturers, such as: Caterpillar and more.	Private heads are never used as original equipment.
Infasco's triangle trade mark is easily identifiable and traceable. Their bolts are widely accepted by government and industry.	Private headed bolts mask the identity of the maker. Not only can the manufacturer change from one year to the next, but bolts could even be made overseas without your knowledge.
Infasco is a certified member of the American Association for Laboratory Accreditation.	Private headed bolts must always be fully tested and certified. But, if you don't have a testing laboratory, then what do you do?
You have the assurance of correct and consistent testing methods.	Protect yourself - Do not rely on impressive looking unscientific tests performed in your shop. Insist on Standardized procedures which meet accepted requirements.

GRADE 8 FASTENING SYSTEM

GRADE 8 FASTENING SYSTEM
IS YOUR SOLUTION TO COUNTERFEIT BOLTS

Grade 8 Fastening System

YOU GET...		YOU AVOID...	
● Quality Assurance	● Reliability	● Down Time	● Potential Liability
● Safety	● Dependability	● Increased Costs	● Counterfeit Hardware

All Grade-8 Fasteners are Manufactured in North America by the Biggest Manufacturer of Standard Fasteners in the World.

GRADE 8 FASTENING SYSTEM
IS YOUR SOLUTION TO THESE PROBLEMS

In today's hi-tech, competitive world, equipment has more power, speed and sophistication than ever before.
That's why

YOU NEED...

Dependable Grade-8 Fasteners.

Since the current business environment requires an even better bottom line, you must take into account TOTAL COST, not just price.
That's why

YOU NEED...

The Fastening System. Our Grade-8 Fasteners **Reduce Downtime** and Overall **Maintenance Costs.**

Everyone is becoming aware of the problem of imported counterfeit bolts.
That's why

YOU NEED...

The fastener supplier you can rely on for **original equipment quality.**

Because of increasing liability problems today, sound business practice demands that safety becomes a top priority.
That's why

YOU NEED...

GRADE 8 FASTENING SYSTEM

Be Smart, Be Safe. Choose The Best, Choose The Top Quality, Safe and Reliable Grade 8 Fastening System.

A - FASTENERS & HARDWARE











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A- FASTENERS & HARDWARE

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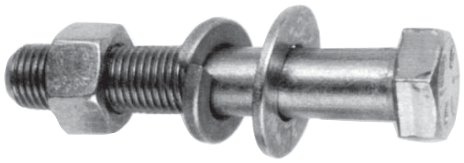
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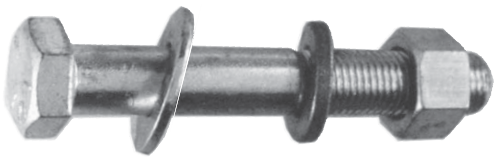
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HEX HEAD CAP SCREWS



USS coarse

SAE fine



THREADS PER INCH

DIAMETER →	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1
USS	20	18	16	14	13	12	11	10	9	8
SAE	28	24	24	20	20	18	18	16	14	14

TECHNICAL DATA

HEX HEAD MARKING	MARKING SPECIFICATION AND GRADE	AISI, ASTM OR SAE No.	MATERIAL TYPE	PHYSICAL PROPERTIES			
				FOR FASTENER DIA. INCHES	PROOF LOAD (PSI)	TENSILE STRENGTH (MIN. PSI)	ROCKWELL HARDNESS
2	No Marking GRADE 1	C-1010 C-1020	Low Carbon Steel	1/4 thru 1-1/2	33,000	60,000	B-100 max.
	No Marking GRADE 2	C-1018 C-1020	Low Carbon Steel	1/4 thru 3/4 7/8 thru 1-1/2	55,000 33,000	74,000 60,000	B-100 max.
5	3 Radial Lines GRADE 5	C-1038	Medium Carbon Steel Quenched & Tempered (Heat Treated)	1/4 thru 1 over 1 to 1-1/2	85,000 74,000	120,000 105,000	C25-34 C19-30
8	6 Radial Lines GRADE 8	8735 8740	Medium Carbon Alloy Steel, Quenched & Tempered	Up to 1-1/2	120,000	150,000	C33-39
L9	9 Radial Lines Exceeds Gr.-8 Specifications Ultra Alloy	SPECIAL	Special Carbon Alloy Steel Quenched & Tempered	Up to 1	145,000	180,000 to 200,000	C38-42 Exceeds GRADE 8

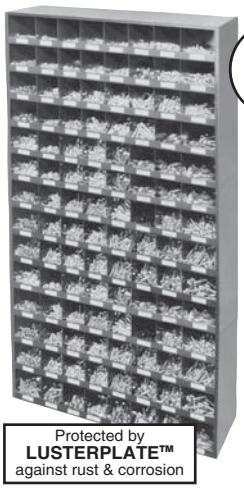
TENSILE STRENGTH	MATERIAL	HEAD	PLATING	ILLUSTRATION
180,000 PSI L9	Special carbon Alloy steel For maximum Strength	23% higher Head for Greater Wrenching	Yellow zinc Plating provides Effective Resistance to Corrosion	
150,000 PSI 8	Medium Carbon alloy Steel	Standard	Yellow zinc Plating provides Effective Resistance to Corrosion	
120,000 PSI 5	Medium Carbon Steel	Standard	Lusterplated To resist rust And corrosion	

The formula for determining basic thread length on cap screws is as follows:

a. For bolts or screws 6 in. and shorter - twice the diameter plus 1/4 inch.
b. For bolts or screws over 6 inches long - twice the diameter plus 1/2 inch.
c. When bolts or screws are too short to apply the formula the thread will be extended as close to the head as possible.

POPULAR FASTENER ASSORTMENTS

SMALL & LARGE DIAMETER • USS (COARSE)



Protected by **LUSTERPLATE™** against rust & corrosion

Assortment Photo for illustration purposes only. Actual Contents may vary.

112 BIN

1/4" THRU 1" DIAMETERS
1/2" TO 6" in Length

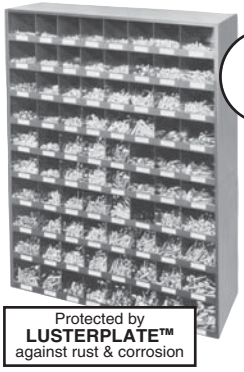
GRADE 5 COARSE (USS)
1308 pieces
96 items
Part No. 501704

GRADE 8 COARSE (USS)
1308 pieces
96 items
Part No. 501705

Includes: (2) #12021, 40 compartment bins and
(1) #12068, 32 compartment bin
(1) set of bin labels

1/4 x 1/2	1/4 x 1	1/4 x 1-1/2	1/4 x 2	1/4 x 2-1/2			
5/16 x 1	5/16 x 1-1/2	5/16 x 2	5/16 x 2-1/2	5/16 x 3			
3/8 x 1	3/8 x 1-1/2	3/8 x 2	3/8 x 2-1/2	3/8 x 3	3/8 x 3-1/2	3/8 x 4	
7/16 x 1	7/16 x 1-1/2	7/16 x 2	7/16 x 2-1/2	7/16 x 3	7/16 x 3-1/2	7/16 x 4	
1/2 x 1	1/2 x 1-1/2	1/2 x 2	1/2 x 2-1/2	1/2 x 3	1/2 x 3-1/2	1/2 x 4	1/2 x 4-1/2
5/8 x 1-1/2	5/8 x 2	5/8 x 2-1/2	5/8 x 3	5/8 x 3-1/2	5/8 x 4	5/8 x 4-1/2	5/8 x 5
5/8 x 5-1/2	5/8 x 6		3/4 x 2	3/4 x 2-1/2	3/4 x 3	3/4 x 3-1/2	3/4 x 4
3/4 x 4-1/2	3/4 x 5	3/4 x 5-1/2	3/4 x 6		7/8 x 2	7/8 x 2-1/2	7/8 x 3
7/8 x 3-1/2	7/8 x 4	7/8 x 4-1/2	7/8 x 5	7/8 x 5-1/2	7/8 x 6		1 x 2
1 x 2-1/2	1 x 3	1 x 3-1/2	1 x 4	1 x 4-1/2	1 x 5	1 x 5-1/2	1 x 6
1/4 lock washer	5/16 lock washer	3/8 lock washer	7/16 lock washer	1/2 lock washer	5/8 lock washer	3/4 lock washer	7/8 lock washer
1 lock washer			1/4 flat washer	5/16 flat washer	3/8 flat washer	7/16 flat washer	1/2 flat washer
5/8 flat washer	3/4 flat washer	7/8 flat washer	1 flat washer			1/4 hex nut	5/16 hex nut
3/8 hex nut	7/16 hex nut	1/2 hex nut	5/8 hex nut	3/4 hex nut	7/8 hex nut	1 hex nut	

SMALL & LARGE DIAMETER • USS (COARSE)



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Assortment Photo for illustration purposes only. Actual Contents may vary.

Includes: (2) #12021
(1) set of bin labels

80 BIN

1/4" THRU 3/4" DIAMETERS
1/2" TO 4" in Length

GRADE 5 (USS)
1296 pieces • 77 items
Part No. 501098

GRADE 8 (USS)
1296 pieces • 77 items
Part No. 501099

GRADE L9 (USS)
1296 pieces • 77 items
Part No. 601099

* Grade L9 assortments are supplied with USS flat washers.

1/4 hex nut	5/16 hex nut	3/8 hex nut	7/16 hex nut	1/2 hex nut	9/16 hex nut	5/8 hex nut	3/4 hex nut
1/4 lock washer	5/16 lock washer	3/8 lock washer	7/16 lock washer	1/2 lock washer	9/16 lock washer	5/8 lock washer	3/4 lock washer
1/4 flat washer	5/16 flat washer	3/8 flat washer	7/16 flat washer	1/2 flat washer	9/16 flat washer	5/8 flat washer	3/4 flat washer
1/4 x 1/2	5/16 x 1/2	3/8 x 1	7/16 x 1	1/2 x 1	9/16 x 1-1/2	5/8 x 1-1/2	3/4 x 1-1/2
1/4 x 3/4	5/16 x 3/4	3/8 x 1-1/2	7/16 x 1-1/2	1/2 x 1-1/2	9/16 x 2	5/8 x 2	3/4 x 2
1/4 x 1	5/16 x 1	3/8 x 2	7/16 x 2	1/2 x 2	9/16 x 2-1/2	5/8 x 2-1/2	3/4 x 2-1/2
1/4 x 1-1/2	5/16 x 1-1/2	3/8 x 2-1/2	7/16 x 2-1/2	1/2 x 2-1/2	9/16 x 3	5/8 x 3	3/4 x 3
1/4 x 2	5/16 x 2	3/8 x 3	7/16 x 3	1/2 x 3	9/16 x 3-1/2	5/8 x 3-1/2	3/4 x 3-1/2
1/4 x 2-1/2	5/16 x 2-1/2	3/8 x 3-1/2	7/16 x 3-1/2	1/2 x 3-1/2	9/16 x 4	5/8 x 4	3/4 x 4
1/4 x 3	5/16 x 3	3/8 x 4	7/16 x 4	1/2 x 4			

POPULAR FASTENER ASSORTMENTS

SMALL DIAMETER • USS (COARSE) & SAE (FINE)

1/4 x 1/2	1/4 x 3/4	1/4 x 1	1/4 x 1-1/2	1/4 x 2	1/4 x 2-1/2	5/16 x 1/2	5/16 x 1	USS COARSE
5/16 x 1-1/2	5/16 x 2	5/16 x 2-1/2	3/8 x 1/2	3/8 x 3/4	3/8 x 1	3/8 x 1-1/2	3/8 x 2	
3/8 x 2-1/2	3/8 x 3	7/16 x 1-1/2	7/16 x 2	7/16 x 2-1/2	7/16 x 3	1/2 x 1-1/2	1/2 x 2	
1/2 x 2-1/2	1/2 x 3	1/4 USS hex nut	5/16 USS hex nut	3/8 USS hex nut	7/16 USS hex nut	1/2 USS hex nut	1/4 SAE flat washer	
5/16 SAE flat washer	3/8 SAE flat washer	7/16 SAE flat washer	1/2 SAE flat washer	1/4 lock washer	5/16 lock washer	3/8 lock washer	7/16 lock washer	
1/2 lock washer	1/4 x 1/2	1/4 x 3/4	1/4 x 1	1/4 x 1-1/2	1/4 x 2	1/4 x 2-1/2	5/16 x 1/2	SAE FINE
5/16 x 1	5/16 x 1-1/2	5/16 x 2	5/16 x 2-1/2	3/8 x 1/2	3/8 x 3/4	3/8 x 1	3/8 x 1-1/2	
3/8 x 2	3/8 x 2-1/2	3/8 x 3	7/16 x 1-1/2	7/16 x 2	7/16 x 2-1/2	7/16 x 3	1/2 x 1-1/2	
1/2 x 2	1/2 x 2-1/2	1/2 x 3	1/4 SAE hex nut	5/16 SAE hex nut	3/8 SAE hex nut	7/16 SAE hex nut	1/2 SAE hex nut	

1/4" THRU 1/2" DIAMETERS
1/2" TO 3" IN LENGTH

GRADE 5
COARSE (USS) & FINE (SAE)
2464 pieces • 72 items
Part No. 501072L
Half quantities available, use 501072M

GRADE 8
COARSE (USS) & FINE (SAE)
1475 pieces • 72 items
Part No. 501087

GRADE L9
COARSE (USS) & FINE (SAE)
1475 pieces • 72 items
Part No. 601087

* Grade L9 assortments are supplied with USS flat washers.



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Includes: (2) #12021
(1) set of bin labels

LARGE DIAMETER • USS (COARSE) & SAE (FINE)

9/16 x 2	9/16 x 2-1/2	9/16 x 3	9/16 x 4	5/8 x 2	5/8 x 2-1/2	5/8 x 3	5/8 x 4	USS COARSE
3/4 x 1-1/2	3/4 x 2	3/4 x 2-1/2	3/4 x 3	3/4 x 3-1/2	7/8 x 2	7/8 x 3	7/8 x 4	
1 x 3	1 x 4	9/16 USS hex nut	5/8 USS hex nut	3/4 USS hex nut	7/8 USS hex nut	1 USS hex nut	9/16 USS flat washer	
5/8 USS flat washer	3/4 USS flat washer	7/8 USS flat washer	1 USS flat washer	9/16 lock washer	5/8 lock washer	3/4 lock washer	7/8 lock washer	
1 lock washer	9/16 x 2	9/16 x 2-1/2	9/16 x 3	9/16 x 4	5/8 x 2	5/8 x 2-1/2	5/8 x 3	SAE FINE
5/8 x 4	3/4 x 1-1/2	3/4 x 2	3/4 x 2-1/2	3/4 x 3	3/4 x 3-1/2	7/8 x 2	7/8 x 4	
1 x 3	1 x 4	9/16 SAE hex nut	5/8 SAE hex nut	3/4 SAE hex nut	7/8 SAE hex nut	1 SAE hex nut	9/16 SAE flat washer	
5/8 SAE flat washer	3/4 SAE flat washer	7/8 SAE flat washer	1 SAE flat washer					

9/16" THRU 1" DIAMETERS
2 TO 4" IN LENGTH

GRADE 8
COARSE (USS) & FINE (SAE)
545 pieces • 61 items
Contains USS & SAE flat washers.
Part No. 501310

GRADE L9
COARSE (USS) & FINE (SAE)
470 pieces • 56 items
Contains USS flat washers only.
Part No. 601310

Includes: (2) #12021 • (1) set of bin labels



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SMALL DIAMETER • USS (COARSE)

1/4 x 1/2	1/4 x 3/4	1/4 x 1	1/4 x 1-1/2	1/4 x 2	1/4 x 2-1/2	1/4 x 3	5/16 x 1/2
5/16 x 3/4	5/16 x 1	5/16 x 1-1/2	5/16 x 2	5/16 x 2-1/2	5/16 x 3	3/8 x 3/4	3/8 x 1
3/8 x 1-1/2	3/8 x 2	3/8 x 2-1/2	3/8 x 3	3/8 x 3-1/2	3/8 x 4	7/16 x 1	7/16 x 1-1/2
7/16 x 2	7/16 x 2-1/2	7/16 x 3	7/16 x 3-1/2	7/16 x 4	1/2 x 1-1/2	1/2 x 2	1/2 x 2-1/2
1/2 x 3	1/2 x 3-1/2	1/2 x 4	9/16 x 2	9/16 x 2-1/2	9/16 x 3	9/16 x 4	5/8 x 2
5/8 x 2-1/2	5/8 x 3	5/8 x 4	1/4 hex nut	5/16 hex nut	3/8 hex nut	7/16 hex nut	1/2 hex nut
9/16 hex nut	5/8 hex nut	1/4 flat washer	5/16 flat washer	3/8 flat washer	7/16 flat washer	1/2 flat washer	9/16 flat washer
5/8 flat washer	1/4 lock washer	5/16 lock washer	3/8 lock washer	7/16 lock washer	1/2 lock washer	9/16 lock washer	5/8 lock washer

1/4" THRU 5/8" DIAMETERS
1/2" TO 4" IN LENGTH

GRADE 5
1472 pieces • 64 items
Part No. 501073L
Half quantities available, use 501073M

GRADE 8
1183 pieces • 64 items
Part No. 501088

GRADE L9
1183 pieces • 64 items
Part No. 601088

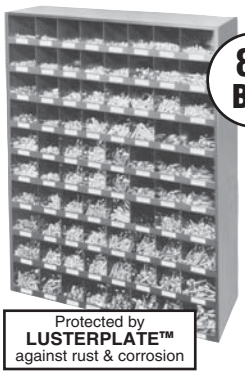


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POPULAR FASTENER ASSORTMENTS

SMALL & LARGE DIAMETER • USS (COARSE)



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Includes: (2) #12021
(1) set of bin labels

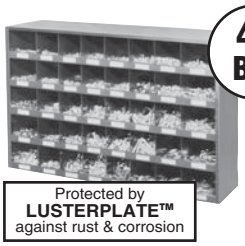
1/4" THRU 3/4" DIAMETERS
1/2" TO 6" IN LENGTH

GRADE 8 (USS)
1176 pieces • 72 items
Includes bin label set and bins
Part No. 501460

GRADE 5 (USS)
1176 pieces • 72 items
Includes bin label set and bins
Part No. 501459

1/4 x 1/2	1/4 x 1	1/4 x 1-1/2	1/4 x 2	1/4 x 2-1/2	5/16 x 1	5/16 x 1-1/2	5/16 x 2
5/16 x 2-1/2	5/16 x 3	3/8 x 1	3/8 x 1-1/2	3/8 x 2	3/8 x 2-1/2	3/8 x 3	3/8 x 3-1/2
3/8 x 4	7/16 x 1	7/16 x 1-1/2	7/16 x 2	7/16 x 2-1/2	7/16 x 3	7/16 x 3-1/2	7/16 x 4
1/2 x 1	1/2 x 1-1/2	1/2 x 2	1/2 x 2-1/2	1/2 x 3	1/2 x 3-1/2	1/2 x 4	1/2 x 4-1/2
5/8 x 1-1/2	5/8 x 2	5/8 x 2-1/2	5/8 x 3	5/8 x 3-1/2	5/8 x 4	5/8 x 4-1/2	5/8 x 5
5/8 x 5-1/2	5/8 x 6	3/4 x 2	3/4 x 2-1/2	3/4 x 3	3/4 x 3-1/2	3/4 x 4	3/4 x 4-1/2
3/4 x 5	3/4 x 5-1/2	3/4 x 6	1/4 hex nut	5/16 hex nut	3/8 hex nut	7/16 hex nut	1/2 hex nut
5/8 hex nut	3/4 hex nut	1/4 lock washer	5/16 lock washer	3/8 lock washer	7/16 lock washer	1/2 lock washer	5/8 lock washer
3/4 lock washer	1/4 flat washer	5/16 flat washer	3/8 flat washer	7/16 flat washer	1/2 flat washer	5/8 flat washer	3/4 flat washer

POPULAR FASTENERS • USS (COARSE) & SAE (FINE)



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Includes: (1) #12021,
(1) set of bin labels

1/4" THRU 1/2" DIAMETERS
1/2" TO 3" in Length

GRADE 5
1606 pieces • 40 items
Part No. 501304L (USS)
Half quantities available, use 501304M
Part No. 501560L (SAE)
Half quantities available, use 501560M

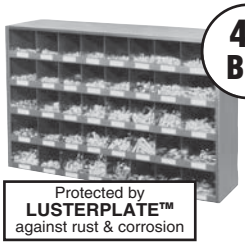
GRADE 8
799 pieces • 40 items
Part No. 501091 (USS)
Part No. 501097 (SAE)

GRADE L9 (USS)
799 pieces • 40 items
Part No. 601091

* Grade L9 assortments are supplied with USS flat washers.

1/4 x 1/2	1/4 x 3/4	1/4 x 1	1/4 x 1-1/2	1/4 x 2	5/16 x 3/4	5/16 x 1	5/16 x 1-1/4
5/16 x 1-1/2	5/16 x 2	5/16 x 2-1/2	3/8 x 3/4	3/8 x 1	3/8 x 1-1/4	3/8 x 1-1/2	3/8 x 2
3/8 x 2-1/2	3/8 x 3	7/16 x 1	7/16 x 1-1/2	7/16 x 2	1/2 x 1-1/2	1/2 x 2	1/2 x 2-1/2
1/2 x 3	1/4 hex nut	5/16 hex nut	3/8 hex nut	7/16 hex nut	1/2 hex nut	1/4 flat washer	5/16 flat washer
3/8 flat washer	7/16 flat washer	1/2 flat washer	1/4 lock washer	5/16 lock washer	3/8 lock washer	7/16 lock washer	1/2 lock washer

LARGE DIAMETER • USS (COARSE) & SAE (FINE)



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Includes: (1) #12021,
(1) set of bin labels

9/16" THRU 1" DIAMETERS
2" TO 6" IN LENGTH

GRADE 5
633 pieces • 40 items
Part No. 501739 (USS)
Part No. 501740 (SAE)

GRADE 8
487 pieces • 40 items
Part No. 501741 (USS)
Part No. 501742 (SAE)

9/16 x 2	5/8 x 2	3/4 x 2-1/2	7/8 x 2-1/2	1 x 3	9/16 hex nut	9/16 split lock washer	9/16 flat washer
9/16 x 2-1/2	5/8 x 2-1/2	3/4 x 3	7/8 x 3	1 x 3-1/2	5/8 hex nut	5/8 split lock washer	5/8 flat washer
9/16 x 3	5/8 x 3	3/4 x 4	7/8 x 4	1 x 4	3/4 hex nut	3/4 split lock washer	1/2 flat washer
9/16 x 4	5/8 x 4	3/4 x 5	7/8 x 5	1 x 5	7/8 hex nut	7/8 split lock washer	7/8 flat washer
9/16 x 5	5/8 x 5	3/4 x 6	7/8 x 6	1 x 6	1 hex nut	1 split lock washer	1 lock washer

ASSORTMENTS

LARGE DIAMETER • USS (COARSE) & SAE (FINE)

3/4 x 1-1/2	3/4 x 2	3/4 x 2-1/2	3/4 x 3	3/4 x 3-1/2	7/8 x 2	7/8 x 3	7/8 x 4	USS COARSE
1 x 3	1 x 4	3/4 USS hex nut	7/8 USS hex nut	1 USS hex nut				
3/4 flat washer	7/8 flat washer	1 flat washer	3/4 lock washer	7/8 lock washer	1 lock washer			
3/4 x 1-1/2	3/4 x 2	3/4 x 2-1/2	3/4 x 3	3/4 x 3-1/2	7/8 x 2	7/8 x 3	7/8 x 4	SAE FINE
1 x 3	1 x 4	3/4 SAE hex nut	7/8 SAE hex nut	1 SAE hex nut				

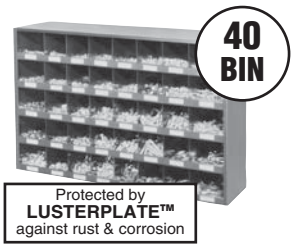
3/4" THRU 1" DIAMETERS
1-1/2" TO 6" IN LENGTH

GRADE 5
213 pieces • 35 items
Contains both USS & SAE flat washers.
Part No. 501307

GRADE 8
213 pieces • 35 items
Contains both USS & SAE flat washers.
Part No. 501309

GRADE L9
178 pieces • 32 items
Part No. 601309

* Grade L9 assortments are supplied with USS flat washers.



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Includes: (1) #12021, (1) set of bin labels

SMALL DIAMETER • USS (COARSE) & SAE (FINE)

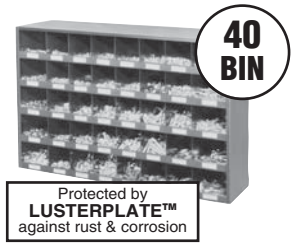
1/4 x 3/4	1/4 x 1	1/4 x 1-1/2	5/16 x 3/4	5/16 x 1	5/16 x 1-1/2	5/16 x 2	3/8 x 3/4	USS COARSE
3/8 x 1	3/8 x 1-1/2	3/8 x 2	7/16 x 2	1/2 x 1	1/2 x 1-1/2	1/2 x 2	1/4 USS hex nut	
5/16 USS hex nut	3/8 USS hex nut	7/16 USS hex nut	1/2 USS hex nut	1/4 x 3/4	1/4 x 1	1/4 x 1-1/2	5/16 x 3/4	SAE FINE
5/16 x 1	5/16 x 1-1/2	5/16 x 2	3/8 x 3/4	3/8 x 1	3/8 x 1-1/2	3/8 x 2	7/16 x 2	
1/2 x 1	1/2 x 1-1/2	1/2 x 2	1/4 SAE hex nut	5/16 SAE hex nut	3/8 SAE hex nut	7/16 SAE hex nut	1/2 SAE hex nut	

1/4" THRU 1/2" DIAMETERS
3/4" TO 2" IN LENGTH

GRADE 5
1240 pieces • 40 items
Part No. 501040L
Half quantities available, use 501040M

GRADE 8
402 pieces • 40 items
Part No. 501065

GRADE L9
402 pieces • 40 items
Part No. 601065



Assortment Photo for illustration purposes only. Actual Contents may vary.

Includes: (1) #12021, (1) set of bin labels

SMALL DIAMETER • USS (COARSE) & SAE (FINE)

1/4 lock washer	1/4 flat washer	1/4 hex nut	1/4 x 1/2	1/4 x 3/4	1/4 x 1
5/16 lock washer	5/16 flat washer	5/16 hex nut	5/16 x 3/4	5/16 x 1	5/16 x 1-1/4
3/8 lock washer	3/8 flat washer	3/8 hex nut	3/8 x 1	3/8 x 1-1/4	3/8 x 1-1/2
1/2 lock washer	1/2 flat washer	1/2 hex nut	1/2 x 1	1/2 x 1-1/4	1/2 x 1-1/2

1/4" THRU 1/2" DIAMETERS
1/2" TO 1-1/2" IN LENGTH

GRADE 5
1042 pieces • 24 items
Part No. 501001L (USS)
Half quantities available, use 501001M
1122 pieces • 24 items
Part No. 501002L (SAE)
Half quantities available, use 501002M



Assortment Photo for illustration purposes only. Actual Contents may vary.

GRADE 8
518 pieces • 24 items
Part No. 501084 (USS)
542 pieces • 24 items
Part No. 501085 (SAE)

GRADE L9
518 pieces • 24 items
Part No. 601084 (USS)
542 pieces • 24 items
Part No. 601085 (SAE)

SUPRALLOY L9® CAP SCREWS / HEX NUTS / WASHERS

Ideal for farms, manufacturers, maintenance shops, railroads, amusement parks, construction, equipment rental



Protected by **CADMIUM WAXED YELLOW DICHROMATE™** against rust & corrosion

- **Engineered to meet 180,000 to 200,000 PSI. tensile strength.**
- **23% taller head for greater wrenching and less wrench slippage.**
- **Rolled thread & chamfered tip provides easy starting.**
- **Exceeds ASTMB633, Type IISCI specifications.**
- **YELLOW DICHROMATE™ plated against rust and corrosion and to produce accurate torque.**
- **Replaces private brand bolts such as: MC-12, Tru-Torq, Karalloy, Bowmalloy, Dura-Torq, Supertanium.**

CAP SCREWS

QTY	LENGTH		DIAMETER 1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1				QTY
	1/2	USS	602501	602518	602535											
		SAE	602701													
	3/4	USS	602503	602520	602537	602556	602575									
		SAE	602703	602720	602737											
	1	USS	602505	602522	602539	602558	602577	602594	602604							
		SAE	602705	602722	602739	602758	602777		602804							
	1-1/4	USS	602506	602523	602540	602559	602578	602595*	602605							
		SAE	602706	602723	602740	602759	602778	602795*		602821*						
50	1-1/2	USS	602507	602524	602541	602560	602579	602596	602606	602622						
		SAE	602707	602724	602741	602760	602779	602796	602806	602822						
	1-3/4	USS	602508	602525	602542	602561	602580		602607	602623						
		SAE	602708*	602725	602742	602761	602780		602807	602823						
	2	USS	602509	602526	602543	602562	602581	602598	602608	602624	602637	602650				
		SAE	602709	602726	602743	602762	602781	602798	602808	602824	602837					
	2-1/4	USS		602527*	602544		602582		602609	602625						
		SAE	602710*	602727*	602744		602782		602809	602825	602838*					
	2-1/2	USS	602511	602528	602545	602564	602583	602600	602610	602626	602639	602652				
		SAE	602711	602728	602745	602764	602783	602800	602810	602826	602839	602852				5
	2-3/4	USS	602512*			602565*			602611	602627	602640*	602653*				
25		SAE	602712*			602765*			602811	602827	602840*	602853*				
	3	USS	602513	602530	602547	602566	602585	602602	602612	602628	602641	602654				
		SAE	602713	602730	602747	602766	602785	602802	602812	602828	602841	602854				
	3-1/2	USS	602515*	602532	602549	602568	602587	602603	602613	602630	602643	602656				
15		SAE			602749	602768	602787	602803	602813	602830	602843	602856				
	4	USS		602534	602551	602570	602589	602601	602615	602632	602645	602657				
		SAE	602717*	602734*	602751	602770	602789	602801	602815	602832	602845	602857				
	4-1/2	USS	602519*		602552	602571*	602590	602614*	602616	602633	602646	602658				
		SAE	602719*	602736*	602752*	602771*	602790*		602816	602833	602846	602858				
	5	USS			602553	602572	602591	602618	602617	602634	602647	602659				
10		SAE	602721*	602738*	602753*		602791	602818*	602817	602834	602847	602859				
	5-1/2	USS				602574*			602662	602635	602648	602660				
		SAE			602755*	602774*	602792*		602862	602835	602848	602860				
	6	USS	602533*		602554	602573	602593		602619	602636	602649	602661				
		SAE	602733*	602750*		602773*	602793		602819	602836	602849	602861				
	HEX NUTS	USS	602901	602902	602903	602904	602905	602906	602907	602908	602909	602910				
		SAE	602911	602912	602913	602914	602915	602916	602917	602918	602919	602920				
		QTY	50	50	50	25	25	15	15	10	5	5				
	LOCK NUTS	USS	602921	602922	602923	602924	602925	602926	602927	602928	602929	602930				
		SAE	602931	602932	602933	602934	602935	602936	602937	602938	602939	602940				
		QTY	50	50	50	25	25	25	25	10	5	5				
	FLAT WASHERS	ALL	602941	602942	602943	602944	602945	602946	602947	602948	602949	602950				
		QTY	100	100	100	50	50	50	25	12	12	12				
	THREADS PER INCH	USS	20	18	16	14	13	12	11	10	9	8				
		SAE	28	24	24	20	20	18	18	16	14	14				

*** These items will be discontinued when stock is depleted.**

ALLOY GRADE 8 CAP SCREWS / HEX NUTS / WASHERS

Used by manufacturing and processing plants, school buses, mining, construction and fleets.

- **Minimum tensile strength 150,000 PSI.**
- **Medium carbon alloy steel.**





Protected by **ZINC-YELLOW DICHROMATE™** against rust & corrosion

CAP SCREWS

QTY	LENGTH		DIAMETER 1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1				QTY
100	1/2	USS	502501	502518	502535											
		SAE	502701	502718	502735											
	3/4	USS	502503	502520	502537	502556	502575									
		SAE	502703	502720	502737	502756	502775									
	1	USS	502505	502522	502539	502558	502577	502594	502604	502620						
		SAE	502705	502722	502739	502758	502777	502794	502804	502820						
	1-1/4	USS	502506	502523	502540	502559	502578	502595	502605	502621						
		SAE	502706	502723	502740	502759	502778	502795	502805	502821						
	1-1/2	USS	502507	502524	502541	502560	502579	502596	502606	502622						
		SAE	502707	502724	502741	502760	502779	502796	502806	502822						
	1-3/4	USS	502508	502525	502542	502561	502580	502597	502607	502623						
		SAE	502708	502725	502742	502761	502780	502797	502807	502823						
	2	USS	502509	502526	502543	502562	502581	502598	502608	502624	502637	502650				
		SAE	502709	502726	502743	502762	502781	502798	502808	502824	502837	502850				
	2-1/4	USS	502510	502527	502544	502563	502582		502609	502625	502638					
		SAE	502710	502727	502744	502763	502782		502809	502825	502838					
	2-1/2	USS	502511	502528	502545	502564	502583	502600	502610	502626	502639	502652				
		SAE	502711	502728	502745	502764	502783	502800	502810	502826	502839	502852				
50	2-3/4	USS	502512	502529	502546	502565	502584		502611	502627	502640	502653				
		SAE	502712	502729	502746	502765	502784		502811	502827	502840	502853				
	3	USS	502513	502530	502547	502566	502585	502602	502612	502628	502641	502654				
		SAE	502713	502730	502747	502766	502785	502802	502812	502828	502841	502854				
30	3-1/4	USS	502514	502531	502548	502567	502586									
		SAE	502714	502731	502748	502767	502786									
	3-1/2	USS	502515	502532	502549	502568	502587	502603	502613	502630	502643	502656				
		SAE	502715	502732	502749	502768	502787	502803	502813	502830	502843	502856				
	4	USS	502517	502534	502551	502570	502589	502601	502615	502632	502645	502657				
		SAE	502717	502734	502751	502770	502789	502801	502815	502832	502845	502857				
20	4-1/2	USS	502519	502536	502552	502571	502590	502614	502616	502633	502646	502658				
		SAE	502719	502736	502752	502771	502790	502814	502816	502833	502846	502858				
	5	USS	502521	502538	502553	502572	502591	502618	502617	502634	502647	502659				
		SAE	502721	502738	502753	502772	502791	502818	502817	502834	502847	502859				
	5-1/2	USS	402201	402206	502555	502574	502592	502663	502662	502635	502648	502660				
		SAE	402401	402406	502755	502774	502792		502862	502835	502848	502860				
	6	USS	502533	502550	502554	502573	502593	502631	502619	502636	502649	502661				
		SAE	502733	502750	502754	502773	502793	502831	502819	502836	502849	502861				
10	6-1/2	USS	402202	402207	402211	402217	402101									
		SAE	402402	402407	402411	402417	402150									
	7	USS	402203	402208	402212	402218	402102									
		SAE	402403	402408	402412	402418	402151									
	7-1/2	USS	402204	402209	402213	402219	402103									
		SAE	402404	402409	402413	402419	402152									
	8	USS	402205	402210	402214	402220	402104									
		SAE	402405	402410	402414	402420	402153									

Not made by Infasco. Manufacturer and country of origin can only be determined at time of order.

HEX NUTS	USS	502675	502677	502679	502681	502683	502685	502687	502689	502691	502693				
	SAE	502676	502678	502680	502682	502684	502686	502688	502690	502692	502694				
	QTY	100	100	100	50	50	30	30	20	10	10				
LOCK WASHERS	ALL	504285	504286	504287	504288	504289	504290	504291	504292	504293	504294				
	QTY	100	100	100	100	100	50	50	25	25	25				
FLAT WASHERS	USS	504230	504231	504232	504233	504234	504235	504236	504237	504238	504239				
	SAE	504275	504276	504277	504278	504279	504280	504281	504282	504283	504284				
	QTY	200	200	200	100	100	100	50	25	25	25				
THREADS PER INCH	USS	20	18	16	14	13	12	11	10	9	8	7	7	6	
	SAE	28	24	24	20	20	18	18	16	14	14	12	12	12	

*** Black finish only.**

ALLOY GRADE 8 CAP SCREWS / HEX NUTS / WASHERS

Not made by Infasco. Manufacturer and country of origin can only be determined at time of order.



Longer Lengths / Larger Diameters

- **Black finish.**
- **Sizes listed on this page are non-stock. Allow 2-3 weeks for delivery.**

CAP SCREWS

QTY	LENGTH		DIAMETER 3/8	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	1-3/8	1-1/2	1-3/4	2
	3	USS							502975	502983				
		SAE							402179	402461				
	3-1/2	USS							402242	402255				
		SAE							402180	402462				
	4	USS							502976	502984	402268	502991	402292	402307
		SAE							402181	402463	402482	402497		
	4-1/2	USS							402243	402256	402269	402283	402293	402308
		SAE							402182	402464	402483	402498		
	5	USS							502977	502985	402270	502992	402294	402309
		SAE							402183	402465	402484	402499		
	5-1/2	USS							402244	402257	402271	402284	402295	402310
		SAE							402184	402466	402485	402500		
	6	USS							502978	502986	402272	502993	402296	402311
		SAE							402185	402467	402486	402501		
	6-1/2	USS			402108	402115	402121	402126	402245	402258		402285		
		SAE			402154	402158	402162	402165	402186	402468		402502		
	7	USS			402109	402116	402122	402127	502979	502987	402273	502994	402297	402312
		SAE			402155	402159	402163	402166	402187	402469	402487	402503		
	7-1/2	USS			402110	402117	402140	402137	402246	402259				
		SAE			402156	402160	402450	402175	402188	402470				
	8	USS			402111	402118	402123	402128	502980	502988	402274	502995	402298	402313
		SAE			402157	402161	402164	402167	402189	402471	402488	402504		
	8-1/2	USS		402105	402112	402234	402141	402138	402247	402260				
		SAE		402421	402430	402440	402451	402176	402190	402472				
	9	USS	402215	402106	402113	402119	402124	402129	502981	502989	402275	502996	402299	402314
		SAE	402415	402422	402431	402441	402452	402177	402191	402473	402489	402505		
	9-1/2	USS		402221	402227	402235	402142	402139	402248	402261				
		SAE		402423	402432	402442	402453	402178	402192	402474				
	10	USS	402216	402107	402114	402120	402125	402130	502982	502990	402276	502997	402300	402315
		SAE	402416	402424	402433	402443	402454	402168	402193	402475	402490	402506		
	11	USS		402222	402228	402236	402143	402131	402249	402262	402277	402286	402301	402316
		SAE		402425	402434	402444	402455	402169	402194	402476	402491	402507		
	12	USS		402223	402229	402237	402144	402132	402250	402263	402278	402287	402302	402317
		SAE		402426	402435	402445	402456	402170	402195	402477	402492	402508		
	13	USS		402224	402230	402238	402145	402133	402251	402264	402279	402288	402303	402318
		SAE		402427	402436	402446	402457	402171	402196	402478	402493	402509		
	14	USS		402225	402231	402239	402146	402134	402252	402265	402280	402289	402304	402319
		SAE		402428	402437	402447	402458	402172	402197	402479	402494	402510		
	15	USS		402226	402232	402240	402147	402135	402253	402266	402281	402290	402305	402320
		SAE		402429	402438	402448	402459	402173	402198	402480	402495	402511		
	16	USS			402233	402241	402148	402136	402254	402267	402282	402291	402306	402321
		SAE			402439	402449	402460	402174	402199	402481	402496	402512		
HEX NUTS		USS	502679	502683	502687	502689	502691	502693	502695	502697	502671	502699	502673	502674
		SAE	502680	502684	502688	502690	502692	502694	502696	502698	502672	502670		
		QTY	100	50	30	20	10	10	1	1	1	1	1	1
LOCK WASHERS		ALL	504287	504289	504291	504292	504293	504294	504295	504296	504298	504297	50829	50830
		QTY	100	100	50	25	25	25	25	25	10	25	5	2
FLAT WASHERS		USS	504232	504234	504236	504237	504238	504239	504240	504241		504242		
		SAE	504277	504279	504281	504282	504283	504284	504272	504273	504326	504274	504327	504328
		QTY	200	100	50	25	25	25	25	25	10	25	5	26
THREADS PER INCH		USS	16	13	11	10	9	8	7	7	6	6	5	4-1/2
		SAE	24	20	18	16	14	14	12	12	12			

These sizes available in Zinc-Yellow Dichromate finish only. Please see listing on page A10-7

GRADE 5 CAP SCREWS / HEX NUTS / WASHERS

Cap screws outlined in box below are not made by Infasco. Manufacturer and country of origin can only be determined at time of order.

Used universally by industrial, maintenance, automotive, and fleets.

- **Minimum tensile strength 120,000 PSI.**
- **Medium carbon steel, quenched & tempered.**
- **Sizes 1-1/8" x 3 to 1-1/2" x 12" are non-stock. Allow 2-3 weeks for delivery.**



CAP SCREWS



Protected by **LUSTERPLATE™** against rust & corrosion

QTY	LENGTH		DIAMETER 1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1-1/8	1-1/4	1-1/2
	1/2	USS	502100	502111	502122										
		SAE	502300	502311	502322										
	5/8	USS	502257	502258	502259										
		SAE	502457	502458	502459										
	3/4	USS	502101	502112	502123	502135	502147								
		SAE	502301	502312	502323	502335	502347								
	1	USS	502102	502113	502124	502136	502148	502161	502174	502187					
		SAE	502302	502313	502324	502336	502348	502361	502374	502387					
200	1-1/4	USS	502103	502114	502125	502137	502149	502162	502175	502188					
		SAE	502303	502314	502325	502337	502349	502362	502375	502388					
	1-1/2	USS	502104	502115	502126	502138	502150	502163	502176	502189	502200	502211			
		SAE	502304	502315	502326	502338	502350	502363	502376	502389	502400	502411			
	1-3/4	USS	502105	502116	502127	502139	502151	502164	502177	502190	502201	502212			
		SAE	502305	502316	502327	502339	502351	502364	502377	502390	502401	502412			
	2	USS	502106	502117	502128	502140	502152	502165	502178	502191	502202	502213			
		SAE	502306	502317	502328	502340	502352	502365	502378	502391	502402	502413			
	2-1/4	USS	502222	502225	502230	502236	502242	502246	502247	502251	502255				
		SAE	502422	502425	502430	502436	502442	502446	502447	502451	502455				
	2-1/2	USS	502107	502118	502129	502141	502153	502166	502179	502192	502203	502214			
		SAE	502307	502318	502329	502341	502353	502366	502379	502392	502403	502414			
100	2-3/4	USS	502223	502226	502231	502237	502243		502248	502252					
		SAE	502423	502426	502431	502437	502443		502448	502452					
	3	USS	502108	502119	502130	502142	502154	502167	502180	502193	502204	502215	402662	402677	
		SAE	502308	502319	502330	502342	502354	502367	502380	502393	502404	502415	402762	402777	
	3-1/4	USS	502224	502227	502232	502238	502244		502249	502253	502256				
		SAE	502424	502427	502432	502438	502444		502449	502453	502456				
	3-1/2	USS	502109	502120	502131	502143	502155	502168	502181	502194	502205	502216	402663	402678	
		SAE	502309	502320	502331	502343	502355	502368	502381	502394	502405	502416	402763	402778	
50	3-3/4	USS			502233	502239	502245		502250	502254					
		SAE			502433	502439	502445		502450	502454					
	4	USS	502110	502121	502132	502144	502156	502169	502182	502195	502206	502217	402664	402679	402692*
		SAE	502310	502321	502332	502344	502356	502369	502382	502395	502406	502417	402764	402779	
	4-1/2	USS	402601	502228	502133	502145	502157	502170	502183	502196	502207	502218	402665	402680	402693*
		SAE	402701	502428	502333	502345	502357	502370	502383	502396	502407	502418	402765	402780	
	5	USS	402602	502229	502134	502146	502158	502171	502184	502197	502208	502219	402666	402681	402694*
		SAE	402702	502429	502334	502346	502358	502371	502384	502397	502408	502419	402766	402781	
	5-1/2	USS	402603	402609	502234	502240	502159	502172	502185	502198	502209	502220	402667	402682	402695*
		SAE	402703	402709	502434	502440	502359	502372	502385	502398	502409	502420	402767	402782	
10	6	USS	402604	402610	502235	502241	502160	502173	502186	502199	502210	502221	402668	402683	402696*
		SAE	402704	402710	502435	502441	502360	502373	502386	502399	502410	502421	402768	402783	
	6-1/2	USS	402605	402611	402615	402619	402623		402630	402638	402646	402654	402669	402684	
		SAE	402705	402711	402715	402719	402723		402730	402738	402746	402754	402769	402784	
	7	USS	402606	402612	402616	402620	402624		402631	402639	402647	402655	402670	402685	402697*
		SAE	402706	402712	402716	402720	402724		402731	402739	402747	402755	402770	402785	
	7-1/2	USS	402607	402613	402617	402621	402625		402632	402640	402648	402656	402671	402686	
		SAE	402707	402713	402717	402721	402725		402732	402740	402748	402756	402771	402786	
	8	USS	402608	402614	402618	402622	402626		402633	402641	402649	402657	402672	402687	402698*
		SAE	402708	402714	402718	402722	402726		402733	402741	402749	402757	402772	402787	
	8-1/2	USS					402627		402634	402642	402650	402658	402673	402688	
5		SAE							402734	402742	402750	402758	402773	402788	
	9	USS					402628		402635	402643	402651	402659	402674	402689	
		SAE							402735	402743	402751	402759	402774	402789	
	9-1/2	USS								402644	402652	402660	402675	402690	
		SAE								402744	402752	402760	402775	402790	
2	10	USS					402629		402636	402645	402653	402661	402676	402691	402699*
		SAE							402736	402745	402753	402761	402776	402791	
	12	USS							402637						
		SAE							402737*						
	HEX NUTS	USS	503260	503262	503264	503266	503268	503270	503272	503274	503276	503278	503280	503282	503284
		SAE	503261	503263	503265	503267	503269	503271	503273	503275	503277	503279	503281	503283	503285
		QTY	100	100	100	50	50	25	25	25	10	10	5	5	5
	LOCK WASHERS	ALL	50815	50816	50817	50818	50819	50820	50821	50822	50823	50824	50825	50826	50827
		QTY	400	200	200	200	100	100	100	50	50	25	25	25	25
	FLAT WASHERS	USS	50906	50907	50908	50909	50910	50911	50912	50913	50914	50915	50916	50917	50918
		SAE	50924	50925	50926	50927	50928	50929	50930	50931	50932	50933	50934	50935	50936
		QTY	400	200	200	200	100	100	100	50	50	25	25	25	25
	THREADS PER INCH	USS	20	18	16	14	13	12	11	10	9	8	7	7	6
		SAE	28	24	24	20	20	18	18	16	14	14	12	12	12

*** Black finish only.**

GRADE 2 CAP SCREWS

HEX HEAD CAP SCREWS, NUTS AND WASHERS

Used in light duty, low stress applications.

- Low carbon steel - not heat treated.
- Available in coarse (USS) thread only.
- The "Shear Bolt" has special low strength properties that allow it to break or bend before expensive equipment is damaged.

Protected by **LUSTERPLATE™** against rust & corrosion



CAP SCREWS

QTY	LENGTH		DIAMETER 1/4	5/16	3/8	7/16	1/2	5/8	3/4
200	1/2	USS	502901						
	3/4	USS	502902	502910					
	1	USS	502903	502911	502920	502929			
	1-1/2	USS	502904	502912	509921	502930	502938	502948	502957
	2	USS	502905	502913	502922	502931	502939	502949	502958
100	2-1/2	USS	502906	502914	502923	502932	502940	502950	502959
	3	USS	502907	502915	502924	502933	502941*	502951	502960
50	3-1/2	USS	502908	502916	502925	502934*	502942	502952	502961
	4	USS	502909	502917	502926	502935	502943	502953	502962
30	4-1/2	USS		502918	502927	502936	502944	502954	502963
	5	USS		502919	502928	502937	502945	502955	502964
25	5-1/2	USS					502946		
	6	USS					502947	502956	502965
HEX NUTS		USS	51205	51207	51209	51211	51213	51217	51219
		QTY	200	200	200	100	100	100	50
LOCK WASHERS		ALL	50815	50816	50817	50818	50819	50821	50822
		QTY	500	250	250	250	100	100	50
FLAT WASHERS		USS	50906	50907	50908	50909	50910	50912	50913
		SAE	50924	50925	50926	50927	50928	50930	50931
		QTY	500	250	250	250	100	100	50
THREADS PER INCH		USS	20	18	16	14	13	11	10

* NOTE: 502934 and 502941 - 40

FLAT HEAD SLOTTED CAP SCREWS

Protected by **BLACK OXIDE FINISH™** against rust & corrosion



- USS (Coarse threads.)
- Low carbon steel.

LENGTH	DIA. 1/2-13 PART NUMBER	QTY	DIA. 5/8-11 PART NUMBER	QTY	DIA. 3/4-10 PART NUMBER	QTY
1	504475	10	---	-	---	-
1-1/4	504476	10	504483	10	---	-
1-1/2	504477	10	504484	10	504492	5
1-3/4	504478	10	504485	10	504493	5
2	504479	10	504486	5	504494	5
2-1/4	504480	10	504487	5	504495	5
2-1/2	504481	10	504488	5	504496	5
3	504482	10	504489	5	504497	5
3-1/2	---	-	504490	5	504498	5
4	---	-	504491	5	504499	5

SOCKET HEAD CAP SCREW ASSORTMENTS

Manufactured from alloy steel, heat treated, with a Class 3A fully formed thread.

- Contains the most popular sizes.
- Exceeds Grade 8 specifications.
- Includes 4 sizes of high collar lock washers.
- Sizes from 1/4" x 1/2" to 1/2" x 1-3/4".
- USS - Coarse thread.

Protected by **BLACK OXIDE FINISH™** against rust & corrosion



Assortment Photo for illustration purposes only. Actual Contents may vary.



Includes lock washers.
Part No. 501066
344 pieces • 20 items
12017 steel tray

503409	503421	503428	503448	504263
503411	503422	503430	503450	504264
503413	503423	503431	503451	504265
503415	503424	503432	503452	504267

Numbers in assortment

— OTHER SOCKET HEAD CAP SCREW ASSORTMENTS AVAILABLE —

- 501066, as well as 501318 and 501319 shown below comes in a sturdy steel tray which fits into both the 12007 and 12019 slide racks, part of our complete line of storage cabinets.

MASTER ASSORTMENT
USS (COARSE) & SAE (FINE)
Part No. 501319
465 pieces • 31 items • 12062 steel tray

503398	503407	503956	503963	503970
503399	503408	503957	503964	503971
503401	503501	503958	503965	503972
503402	503502	503959	503966	
503404	503503	503960	503967	
503405	503504	503961	503968	
503406	503955	503962	503969	

Numbers in assortment

Sizes: No. 10-24 x 1/2" through 3/8" x 2"
Includes hex key wrenches.
USS (COARSE) & SAE (FINE)
Part No. 501318
144 pieces • 18 items • 12056 steel tray

113831	503405	503413	503423	503432
113832	503407	503416	503428	503434
113834	503409	503421	503430	
113835	503411	503422	503431	

Numbers in assortment

Sizes: No. 1/4" x 1/2" through 3/8" x 1-1/2"
USS (COARSE)
Part No. 503007
120 pieces • 12 items • 12038 plastic tray

503409	503415	503422	503430
503411	503420	503424	503431
503413	503421	503428	503432

Numbers in assortment

SOCKET HEAD CAP SCREWS

SOCKET HEAD CAP SCREWS

Protected by
BLACK OXIDE FINISH™
against rust & corrosion

Used for precision work.

- **Alloy steel.**
- **Heat treated.**
- **Black finish.**
- **Class 3A fully formed thread.**
- **Manufactured to meet ANSI/ASME B18.3-1986 standards.**
- **Exceeds Grade 8 specifications.**



	DIA. 0 USS		DIA. 0 SAE		DIA. 1 USS		DIA. 1 SAE		DIA. 2 USS		DIA. 2 SAE		DIA. 3 USS		DIA. 3 SAE	
LENGTH	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**
1/8	---	-	**504850**	100	---	-	**504854**	100	---	-	---	-	---	-	---	-
3/16	---	-	**504851**	100	---	-	**504855**	100	**504709**	50	---	-	**504713**	50	---	-
1/4	---	-	**504852**	100	---	-	**504856**	100	**504710**	50	---	-	**504714**	50	---	-
3/8	---	-	**504853**	100	---	-	**504857**	100	**504711**	50	---	-	**504715**	50	---	-
1/2	---	-	---	-	---	-	---	-	**504712**	50	---	-	**504716**	50	---	-
KEY SIZES	.050		.050		1/16		1/16		5/64		5/64		5/64		5/64	

	DIA. 4 USS		DIA. 4 SAE		DIA. 5 USS		DIA. 5 SAE		DIA. 6 USS		DIA. 6 SAE		DIA. 8 USS		DIA. 8 SAE	
LENGTH	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**
1/4	**504717**	50	---	-	**504722**	50	---	-	**503955**	50	**504858**	50	**503958**	50	---	-
3/8	**504718**	50	---	-	**504723**	50	---	-	**503956**	50	**504859**	50	**503959**	50	---	-
1/2	**504719**	50	---	-	**504724**	50	---	-	**503398**	50	**504860**	50	**503401**	50	---	-
5/8	**504720**	50	---	-	**504725**	50	---	-	**504727**	50	**504861**	50	**503960**	50	---	-
3/4	**504721**	50	---	-	**504726**	50	---	-	**503399**	50	**504862**	50	**503402**	50	---	-
7/8	---	-	---	-	---	-	---	-	**504728**	50	---	-	**504730**	50	---	-
1	---	-	---	-	---	-	---	-	**503957**	50	---	-	**503404**	50	---	-
1-1/4	---	-	---	-	---	-	---	-	---	-	---	-	**503961**	50	---	-
1-1/2	---	-	---	-	---	-	---	-	---	-	---	-	**503962**	50	---	-
KEY SIZES	3/32		3/32		3/32		3/32		7/64		7/64		9/64		9/64	

	DIA. 10 USS		DIA. 10 SAE		DIA. 1/4 USS		DIA. 1/4 SAE		DIA. 5/16 USS		DIA. 5/16 SAE		DIA. 3/8 USS		DIA. 3/8 SAE	
LENGTH	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**
3/8	**503963**	50	**503968**	50	**504732**	50	**504864**	50	**504737**	50	---	-	---	-	---	-
1/2	**503405**	50	**503501**	50	**503409**	50	**503505**	50	**503420**	50	**503512**	50	**504746**	50	**504872**	50
5/8	**503964**	50	**503969**	50	**503410**	50	**503506**	50	**504738**	50	**504868**	50	**504747**	50	**504873**	50
3/4	**503406**	50	**503502**	50	**503411**	50	**503507**	50	**503421**	50	**503513**	50	**503428**	50	**503519**	50
7/8	**504731**	50	**504863**	50	**503412**	50	**503508**	50	**504739**	50	**504869**	50	**503429**	50	**504874**	50
1	**503407**	50	**503503**	50	**503413**	50	**503509**	50	**503422**	50	**503514**	50	**503430**	50	**503520**	50
1-1/4	**503965**	50	**503970**	50	**503414**	50	**503510**	50	**503423**	50	**503515**	50	**503431**	50	**503521**	50
1-1/2	**503408**	50	**503504**	50	**503415**	50	**503511**	50	**503424**	50	**503516**	50	**503432**	50	**503522**	50
1-3/4	**503966**	50	**503971**	50	**503416**	50	**504865**	50	**503425**	50	**504870**	50	**503433**	50	**504875**	50
2	**503967**	50	**503972**	50	**503417**	50	**504866**	50	**503426**	50	**503517**	50	**503434**	50	**503523**	50
2-1/4	---	-	---	-	**503418**	50	**504867**	50	**504740**	50	**504871**	50	**503435**	10	**504876**	10
2-1/2	---	-	---	-	**503419**	50	---	-	**503427**	50	**503518**	50	**503436**	10	**504877**	10
2-3/4	---	-	---	-	**504733**	50	---	-	**504741**	25	---	-	**504748**	10	---	-
3	---	-	---	-	**504734**	50	---	-	**504742**	25	---	-	**503437**	10	**504878**	10
3-1/4	---	-	---	-	---	-	---	-	**504743**	25	---	-	**504749**	10	---	-
3-1/2	---	-	---	-	**504735**	25	---	-	**504744**	25	---	-	**504750**	10	---	-
4	---	-	---	-	**504736**	25	---	-	**504745**	25	---	-	**504751**	10	---	-
4-1/2	---	-	---	-	---	-	---	-	---	-	---	-	**504752**	10	---	-
5	---	-	---	-	---	-	---	-	---	-	---	-	**504753**	10	---	-
6	---	-	---	-	---	-	---	-	---	-	---	-	**504754**	10	---	-
KEY SIZES	5/32		5/32		3/16		3/16		1/4		1/4		5/16		5/16	

SOCKET HEAD CAP SCREWS

SOCKET HEAD CAP SCREWS

Protected by
BLACK OXIDE FINISH™
against rust & corrosion

	DIA. 7/16 USS		DIA. 7/16 SAE		DIA. 1/2 USS		DIA. 1/2 SAE		DIA. 5/8 USS		DIA. 5/8 SAE		DIA. 3/4 USS		DIA. 3/4 SAE	
LENGTH	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**
1/2	**504755**	25	**---**	-	**504762**	25	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
5/8	**504756**	25	**---**	-	**504763**	25	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
3/4	**503438**	25	**---**	-	**503447**	25	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
7/8	**504757**	25	**---**	-	**504764**	25	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
1	**503439**	25	**504879**	25	**503448**	25	**504883**	25	**503460**	10	**504891**	10	**---**	-	**---**	-
1-1/4	**503440**	25	**504880**	25	**503450**	25	**504884**	25	**503461**	10	**504892**	10	**503472**	10	**---**	-
1-1/2	**503441**	25	**504881**	25	**503451**	10	**504885**	10	**503462**	10	**504893**	10	**503473**	10	**---**	-
1-3/4	**503442**	25	**---**	-	**503452**	10	**504886**	10	**503463**	10	**504894**	10	**503474**	10	**---**	-
2	**503443**	10	**504882**	10	**503453**	10	**504887**	10	**503464**	10	**504895**	10	**503475**	10	**---**	-
2-1/4	**503444**	10	**---**	-	**503454**	10	**504888**	10	**503465**	10	**---**	-	**504779**	10	**---**	-
2-1/2	**503445**	10	**---**	-	**503455**	10	**504889**	10	**503466**	10	**504896**	10	**503476**	10	**---**	-
2-3/4	**504758**	10	**---**	-	**503456**	10	**---**	-	**503467**	10	**---**	-	**504780**	10	**---**	-
3	**503446**	10	**---**	-	**503457**	10	**504890**	10	**503468**	10	**---**	-	**503477**	10	**---**	-
3-1/4	**504759**	10	**---**	-	**504765**	10	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
3-1/2	**504760**	10	**---**	-	**503458**	10	**---**	-	**504773**	10	**---**	-	**503478**	10	**---**	-
4	**504761**	10	**---**	-	**503459**	10	**---**	-	**503469**	10	**---**	-	**503479**	10	**---**	-
4-1/2	**---**	-	**---**	-	**504766**	10	**---**	-	**504774**	10	**---**	-	**504781**	10	**---**	-
5	**---**	-	**---**	-	**504767**	10	**---**	-	**503470**	10	**---**	-	**503480**	10	**---**	-
5-1/2	**---**	-	**---**	-	**504768**	5	**---**	-	**504775**	5	**---**	-	**504782**	5	**---**	-
6	**---**	-	**---**	-	**504769**	5	**---**	-	**503471**	5	**---**	-	**503481**	5	**---**	-
6-1/2	**---**	-	**---**	-	**504770**	5	**---**	-	**504776**	5	**---**	-	**504783**	5	**---**	-
7	**---**	-	**---**	-	**504771**	5	**---**	-	**504777**	5	**---**	-	**504784**	5	**---**	-
8	**---**	-	**---**	-	**504772**	5	**---**	-	**504778**	5	**---**	-	**504785**	5	**---**	-
KEY SIZES	3/8		3/8		3/8		3/8		1/2		1/2		5/8		5/8	

	DIA. 7/8 USS		DIA. 7/8 SAE		DIA. 1 USS		DIA. 1 SAE		DIA. 1-1/4 USS		DIA. 1-1/4 SAE		DIA. 1-1/2 USS		DIA. 1-1/2 SAE	
LENGTH	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**
2	**503482**	10	**---**	-	**503488**	10	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
2-1/4	**504786**	10	**---**	-	**503489**	10	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
2-1/2	**503483**	10	**---**	-	**503490**	10	**---**	-	**504799**	1	**---**	-	**---**	-	**---**	-
2-3/4	**504787**	10	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
3	**503484**	10	**---**	-	**503491**	10	**---**	-	**504800**	1	**---**	-	**504813**	1	**---**	-
3-1/4	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
3-1/2	**504788**	10	**---**	-	**503495**	10	**---**	-	**504801**	1	**---**	-	**504814**	1	**---**	-
4	**503485**	10	**---**	-	**503492**	10	**---**	-	**504802**	1	**---**	-	**504815**	1	**---**	-
4-1/2	**504789**	10	**---**	-	**504794**	10	**---**	-	**504803**	1	**---**	-	**504816**	1	**---**	-
5	**503486**	10	**---**	-	**503493**	10	**---**	-	**504804**	1	**---**	-	**504817**	1	**---**	-
5-1/2	**504790**	5	**---**	-	**504795**	5	**---**	-	**504805**	1	**---**	-	**504818**	1	**---**	-
6	**503487**	5	**---**	-	**503494**	5	**---**	-	**504806**	1	**---**	-	**504819**	1	**---**	-
6-1/2	**504791**	5	**---**	-	**504796**	5	**---**	-	**504807**	1	**---**	-	**504820**	1	**---**	-
7	**504792**	2	**---**	-	**504797**	2	**---**	-	**504808**	1	**---**	-	**504821**	1	**---**	-
8	**504793**	2	**---**	-	**504798**	2	**---**	-	**504809**	1	**---**	-	**504822**	1	**---**	-
9	**---**	-	**---**	-	**---**	-	**---**	-	**504810**	1	**---**	-	**504823**	1	**---**	-
10	**---**	-	**---**	-	**---**	-	**---**	-	**504811**	1	**---**	-	**504824**	1	**---**	-
12	**---**	-	**---**	-	**---**	-	**---**	-	**504812**	1	**---**	-	**504825**	1	**---**	-
KEY SIZES	3/4		3/4		3/4		3/4		7/8		7/8		1		1	

SOCKET CAP SCREWS

LOW HEAD SOCKET CAP SCREWS

Specifically for use in parts too thin for standard height socket cap screws and for applications with limited clearances.



Part No. 501579
264 pieces • 28 items
12062 steel tray

504901 504906 504911 504917 504924 504931
504902 504907 504912 504919 504925 504932
504903 504908 504913 504920 504926 504933
504904 504909 504914 504921 504927
504905 504910 504915 504922 504930

Numbers in assortment

Protected by
BLACK OXIDE FINISH™
against rust & corrosion



- **Head height 1/2 of standard socket head cap screws.**
- **Heat treated alloy steel.**
- **Class 3A.**
- **Coarse threads*.**
- **Manufactured to meet ANSI B18.3 -1986 standards.**
- **Exceeds Grade 8 specifications.**

Assortment Photo for illustration purposes only.
Actual Contents may vary.

HEAD HEIGHT	DIA. 8-32 .082 5/64 KEY		DIA. 10-24 .095 3/32 KEY		DIA. 10-32 .095 3/32 KEY		DIA. 1/4-20 .125 1/8 KEY		DIA. 5/16-18 .156 5/32 KEY		DIA. 3/8-16 .187 3/16 KEY		DIA. 1/2-13 .250 1/4 KEY	
LENGTH	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**	**PART NUMBER**	**QTY**
3/8	**504901**	25	**504906**	25	**504911**	25	**504916**	25	**---**	-	**---**	-	**---**	-
1/2	**504902**	25	**504907**	25	**504912**	25	**504917**	25	**504922**	25	**504928**	25	**---**	-
5/8	**504903**	25	**504908**	25	**504913**	25	**504918**	25	**504923**	25	**504929**	25	**---**	-
3/4	**504904**	25	**504909**	25	**504914**	25	**504919**	25	**504924**	25	**504930**	25	**504934**	10
1	**504905**	-	**504910**	-	**504915**	25	**504920**	25	**504925**	25	**504931**	25	**504935**	10
1-1/4	**---**	-	**---**	-	**---**	-	**504921**	25	**504926**	25	**504932**	25	**504936**	10
1-1/2	**---**	-	**---**	-	**---**	-	**---**	-	**504927**	25	**504933**	25	**504937**	10
KEY SIZES	5/64		3/32		3/32		1/8		5/32		3/16		1/4	

***10-32 is fine thread**

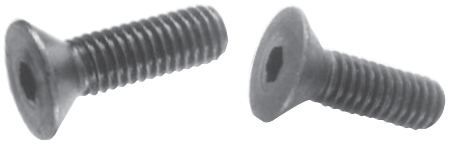
SOCKET CAP SCREWS

FLAT HEAD SOCKET CAP SCREWS

For precision work use socket head cap screws.

- **Exceeds Grade 8 specifications.**
- **Manufactured from alloy steel, heat treated, with a Class 3A fully formed thread. Meets ANSI/ASME B 18.3-1986 standards.**
- **Minimum tensile strength:**
  1/4 to 1/2 = 180,000 PSI
  1/2 & up = 170,000 PSI
- **Flat head provides a flush finish.**

Protected by **BLACK OXIDE FINISH™** against rust & corrosion





Part No. 501316
285 pieces • 16 items
12050 steel tray

503525	503532	503538	503542
503526	503533	503539	503544
503527	503534	503540	503545
503531	503537	503541	503574

Numbers in assortment

Assortment Photo for illustration purposes only.
Actual Contents may vary.

INDIVIDUAL FLAT HEAD SOCKET CAP SCREWS

	DIA. 2-56 USS		DIA. 3-48 USS		DIA. 4-40 USS		DIA. 5-40 USS		DIA. 6-32 USS		DIA. 8-32 USS	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
3/16	507500	50	507504	50	---	-	---	-	---	-	---	-
1/4	507501	50	507505	50	507508	50	507513	50	507518	50	---	-
3/8	507502	50	507506	50	507509	50	507514	50	507519	50	507523	25
1/2	507503	50	507507	50	507510	50	507515	50	507520	50	503575	50
5/8	---	-	---	-	507511	50	507516	50	507521	50	507524	25
3/4	---	-	---	-	507512	50	507517	50	507522	50	507525	25
1	---	-	---	-	---	-	---	-	---	-	507526	25
KEY SIZES	.050		1/16		1/16		5/64		5/64		3/32	

	DIA. 3/16 (#10) USS		DIA. 3/16 (#10) SAE		DIA. 1/4 USS		DIA. 1/4 SAE		DIA. 5/16 USS		DIA. 5/16 SAE		DIA. 3/8 USS		DIA. 3/8 SAE	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
3/8	507527	25	503578	25	507532	25	503585	25	---	-	---	-	---	-	---	-
1/2	503576	50	503579	25	503525	50	503586	25	503531	50	503588	25	507539	25	---	-
5/8	507528	25	503580	25	507533	25	503587	25	507535	25	503589	25	507540	25	503590	25
3/4	507529	25	503581	25	503526	50	503557	50	503532	50	503561	50	503574	50	503565	50
1	503577	50	503582	25	503527	50	503558	50	503533	50	503562	50	503537	50	503566	50
1-1/4	507530	25	503583	25	503528	50	503559	50	503534	50	503563	50	503538	50	503567	50
1-1/2	507531	25	503584	25	503529	50	503560	50	503535	50	503564	50	503539	50	503568	50
1-3/4	---	-	---	-	507534	25	---	-	507536	15	---	-	507541	15	---	-
2	---	-	---	-	503530	50	---	-	503536	30	---	-	503540	30	---	-
2-1/4	---	-	---	-	---	-	---	-	507537	15	---	-	507542	15	---	-
2-1/2	---	-	---	-	---	-	---	-	507538	15	---	-	503541	30	---	-
3	---	-	---	-	---	-	---	-	---	-	---	-	507543	10	---	-
KEY SIZES	1/8		1/8		5/32		5/32		3/16		3/16		7/32		7/32	

	DIA. 7/16 USS		DIA. 7/16 SAE		DIA. 1/2 USS		DIA. 1/2 SAE		DIA. 5/8 USS		DIA. 5/8 SAE		DIA. 3/4 USS		DIA. 3/4 SAE	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
3/4	507544	10	---	25	507550	15	503569	30	---	-	---	-	---	-	---	-
1	507545	10	---	25	503542	20	503570	20	---	-	---	-	---	-	---	-
1-1/4	507546	10	---	25	503543	20	503571	20	503548	10	---	-	507555	5	---	-
1-1/2	507547	10	--	25	503544	20	503572	20	503549	10	---	-	503553	10	---	-
1-3/4	507548	10	---	-	507551	10	503591	10	507553	5	---	-	507556	5	---	-
2	507549	10	---	-	503545	20	503573	20	503550	10	---	-	503554	10	---	-
2-1/4	---	-	---	-	507552	5	---	-	507554	5	---	-	507557	5	---	-
2-1/2	---	-	---	-	503546	10	---	-	503551	10	---	-	503555	10	---	-
3	---	-	---	-	503547	10	---	-	503552	10	---	-	503556	10	---	-
KEY SIZES	1/4		1/4		5/16		5/16		3/8		3/8		1/2		1/2	

	THREADS PER INCH							
USS	24	20	18	16	14	13	11	10
SAE	32	28	24	24	20	20	18	16

SOCKET HEAD CAP SCREWS

SOCKET HEAD SHOULDER SCREWS



Part No. 501640
145 pieces • 23 items
12017 steel tray

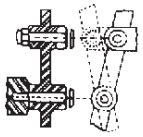
703201	703207	703214	703225	703239
703202	703208	703218	703232	703241
703203	703209	703220	703233	703243
703204	703211	703221	703235	
703205	703212	703223	703237	

Numbers in assortment

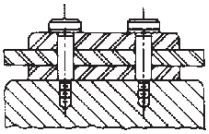
Protected by
BLACK OXIDE FINISH™
against rust & corrosion



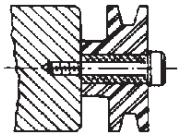
- **Alloy steel.**
- **USS threads.**
- **Class 3A fully formed threads.**
- **Knurled head for sure grip.**
- **Meets or exceeds Grade 8 specifications.**
- **Minimum tensile strength:**
  1/4 to 1/2 = 180,000 PSI
  1/2 & up = 170,000 PSI



MOVING SHAFT OR PIVOT



STATIONARY GUIDE



PULLEY SHAFT USES

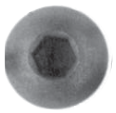
A SHOULDER DIA.	B THREAD DIA..	C SHOULDER LENGTH	PART NUMBER	QTY	A SHOULDER DIA.	B THREAD DIA.	C SHOULDER LENGTH	PART NUMBER	QTY
1/4	10-24	3/8	**703201**	24	3/8	5/16-18	3	**703227**	12
1/4	10-24	1/2	**703202**	24	3/8	5/16-18	3-1/2	**703228**	12
1/4	10-24	5/8	**703203**	24	3/8	5/16-18	4	**703229**	12
1/4	10-24	3/4	**703204**	24	1/2	3/8-16	1/2	**703230**	12
1/4	10-24	1	**703205**	24	1/2	3/8-16	5/8	**703231**	12
1/4	10-24	1-1/4	**703206**	24	1/2	3/8-16	3/4	**703232**	12
1/4	10-24	1-1/2	**703207**	24	1/2	3/8-16	1	**703233**	12
5/16	1/4-20	3/8	**703208**	24	1/2	3/8-16	1-1/4	**703234**	12
5/16	1/4-20	1/2	**703209**	24	1/2	3/8-16	1-1/2	**703235**	12
5/16	1/4-20	5/8	**703210**	24	1/2	3/8-16	1-3/4	**703236**	12
5/16	1/4-20	3/4	**703211**	24	1/2	3/8-16	2	**703237**	12
5/16	1/4-20	1	**703212**	24	5/8	1/2-13	1-1/4	**703238**	6
5/16	1/4-20	1-1/4	**703213**	24	5/8	1/2-13	1-1/2	**703239**	6
5/16	1/4-20	1-1/2	**703214**	24	5/8	1/2-13	1-3/4	**703240**	6
5/16	1/4-20	1-3/4	**703215**	24	5/8	1/2-13	2	**703241**	6
5/16	1/4-20	2	**703216**	24	5/8	1/2-13	2-1/4	**703242**	6
3/8	5/16-18	3/8	**703217**	24	5/8	1/2-13	2-1/2	**703243**	6
3/8	5/16-18	1/2	**703218**	24	5/8	1/2-13	3	**703244**	6
3/8	5/16-18	5/8	**703219**	24	5/8	1/2-13	3-1/2	**703245**	6
3/8	5/16-18	3/4	**703220**	24	5/8	1/2-13	4	**703246**	6
3/8	5/16-18	1	**703221**	24	3/4	5/8-11	1-1/2	**703247**	6
3/8	5/16-18	1-1/4	**703222**	24	3/4	5/8-11	1-3/4	**703248**	6
3/8	5/16-18	1-1/2	**703223**	24	3/4	5/8-11	2	**703249**	6
3/8	5/16-18	1-3/4	**703224**	24	3/4	5/8-11	2-1/2	**703250**	6
3/8	5/16-18	2	**703225**	24	3/4	5/8-11	3	**703251**	6
3/8	5/16-18	2-1/2	**703226**	12	3/4	5/8-11	3-1/2	**703252**	6

KEY SIZES: 1/4" dia. - 1/8 key; 5/16" dia. - 5/32 key; 3/8" dia. - 3/16 key; 1/2 dia. - 1/4 key; 5/8" dia. - 5/16 key; 3/4" dia. - 3/8 key

SOCKET HEAD CAP SCREWS

BUTTON HEAD SOCKET CAP SCREWS

- Alloy steel, heat treated.
- Exceeds Grade 8 specifications.
- Low head height for streamline design.
- Maximum resistance to stretching, snapping, breaking or shearing.
- Use for all fastening applications.
- Minimum tensile strength 180,000 P.S.I.





Protected by **BLACK OXIDE FINISH™** against rust & corrosion



Part No. 501639
407 pieces • 19 items
12071 steel tray

703255	703262	703270	703280
703257	703263	703272	703282
703259	703264	703274	703287
703260	703266	703276	703289
703261	703268	703278	

Numbers in assortment

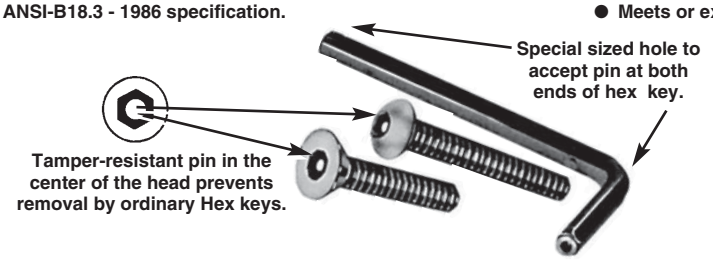
LENGTH	DIA. 2-56 USS PART NUMBER	QTY	DIA. 3-48 USS PART NUMBER	QTY	DIA. 4-40 USS PART NUMBER	QTY	DIA. 6-32 USS PART NUMBER	QTY	DIA. 8-32 USS PART NUMBER	QTY	DIA. 10-24 USS PART NUMBER	QTY	DIA. 10-32 SAE PART NUMBER	QTY	DIA. 1/4-20 USS PART NUMBER	QTY
3/16	702050	50	702054	50	702058	50	---	-	---	-	---	-	---	-		
1/4	702051	50	702055	50	702059	50	702062	50	702063	50	702066	50	702075	50	702067	50
3/8	702052	50	702056	50	702060	50	703260	100	703263	100	703267	100	703254	100	703273	100
1/2	702053	50	702057	50	702061	50	703261	100	703264	100	703268	100	703255	100	703274	100
5/8	---	-	---	-	---	-	703262	100	703265	100	703269	100	703256	100	703275	100
3/4	---	-	---	-	---	-	---	-	703266	100	703270	100	703257	100	703276	100
7/8	---	-	---	-	---	-	---	-	702064	50	703271	100	703258	100	703277	100
1	---	-	---	-	---	-	---	-	702065	50	703272	100	703259	100	703278	100
KEY SIZES	.050		1/16		1/16		5/64		3/32		1/8		1/8		5/32	

LENGTH	DIA. 1/4-28 SAE PART NUMBER	QTY	DIA. 5/16-18 USS PART NUMBER	QTY	DIA. 5/16-24 SAE PART NUMBER	QTY	DIA. 3/8-16 USS PART NUMBER	QTY	DIA. 3/8-24 SAE PART NUMBER	QTY	DIA. 1/2-13 USS PART NUMBER	QTY	DIA. 5/8-11 USS PART NUMBER	QTY
3/8	702076	50	703279	100	702082	50	---	-	---	-	---	-	---	-
1/2	702077	50	703280	100	702083	50	703285	100	702088	50	---	-	---	-
5/8	702078	50	703281	100	702084	50	703286	100	702089	50	---	-	---	-
3/4	702079	50	703282	100	702085	50	703287	100	702090	50	---	-	---	-
7/8	702080	50	703283	100	702086	50	703288	100	702091	50	---	-	---	-
1	702081	50	703284	100	702087	50	703289	100	702092	50	703291	50	703295	25
1-1/4	---	-	---	-	---	-	703290	100	702093	50	703292	50	703296	25
1-1/2	---	-	---	-	---	-	---	-	---	-	703293	50	703297	25
2	---	-	---	-	---	-	---	-	---	-	703294	50	703298	25
KEY SIZES	5/32		3/16		3/16		7/32		7/32		5/16		3/8	

TAMPERPROOF SOCKET CAP SCREWS

Prevents unauthorized removal of parts & equipment from vending machines, computers, telephone booths, electrical panels, control units, street signs, thermostats.

- Manufactured of heat treated alloy steel.
- Coarse threads*.
- Meets ANSI-B18.3 - 1986 specification.
- Non-destructive pin is formed by special cold-heading process.
- Minimum tensile strength 180,000 P.S.I.
- Meets or exceeds Grade 8 specifications.



Includes hex keys.
Part No. 501549
158 pieces • 27 items • 12056 steel tray

213716	213723	504510	504519	504533	504546
213717	213724	504512	504520	504534	504547
213719	504503	504514	504524	504535	
213720	504505	504515	504526	504539	
213721	504508	504517	504527	504540	

Numbers in assortment

LENGTH	DIA. 4-40 3/32 KEY PART NUMBER	QTY	DIA. 6-32 7/64 KEY PART NUMBER	QTY	DIA. 8-32 9/64 KEY PART NUMBER	QTY	DIA. 10-24 5/32 KEY PART NUMBER	QTY	DIA. 10-32 5/32 KEY PART NUMBER	QTY	DIA. 1/4-20 3/16 KEY PART NUMBER	QTY	DIA. 5/16-18 1/4 KEY PART NUMBER	QTY	DIA. 3/8-16 5/16 KEY PART NUMBER	QTY
1/4	504501	25	504506	25	---	-	---	-	---	-	---	-	---	-	---	-
3/8	504502	25	504507	25	504511	25	504516	25	504523	25	504530	25	---	-	---	-
1/2	504503	25	504508	25	504512	25	504517	25	504524	25	504531	25	504537	25	504543	25
5/8	504504	25	504509	25	504513	25	504518	25	504525	25	504532	25	504538	25	504544	25
3/4	504505	25	504510	25	504514	25	504519	25	504526	25	504533	25	504539	25	504545	25
1	---	-	---	-	504515	25	504520	25	504527	25	504534	25	504540	25	504546	25
1-1/4	---	-	---	-	---	-	504521	25	504528	25	504535	25	504541	25	504547	25
1-1/2	---	-	---	-	---	-	504522	25	504529	25	504536	25	504542	25	504548	25
KEY #	213716		213717		213719		213720		213720		213721		213723		213724	

*10-32 is fine thread

SOCKET HEAD CAP SCREWS

TAMPERPROOF FLAT HEAD SOCKET CAP SCREWS

Includes hex keys.
Part No. 501550
156 pieces • 25 items • 12056 steel tray

213716	504552	504563	504573	504584
213718	504554	504564	504575	504588
213720	504557	504566	504576	504589
213721	504559	504568	504582	504595
213722	504561	504569	504583	504596

Numbers in assortment



	DIA. 4-40 3/32 KEY		DIA. 6-32 3/32 KEY		DIA. 8-32 3/32 KEY		DIA. 10-24 1/8 KEY		DIA. 10-32 1/8 KEY		DIA. 1/4-20 5/32 KEY		DIA. 5/16-18 3/16 KEY		DIA. 3/8-16 7/32 KEY	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/4	504550	25	504555	25	---	-	---	-	---	-	---	-	---	-	---	-
3/8	504551	25	504556	25	504560	25	504565	25	504572	25	504579	25	---	-	---	-
1/2	504552	25	504557	25	504561	25	504566	25	504573	25	504580	25	504586	25	504592	25
5/8	504553	25	504558	25	504562	25	504567	25	504574	25	504581	25	504587	25	504593	25
3/4	504554	25	504559	25	504563	25	504568	25	504575	25	504582	25	504588	25	504594	25
1	---	-	---	-	504564	25	504569	25	504576	25	504583	25	504589	25	504595	25
1-1/4	---	-	---	-	---	-	504570	25	504577	25	504584	25	504590	25	504596	25
1-1/2	---	-	---	-	---	-	504571	25	504578	25	504585	25	504591	25	504597	25
KEY #	213716		213716		213716		213718		213718		213720		213721		213722	

TAMPERPROOF BUTTON HEAD SOCKET CAP SCREWS

Includes hex keys.
Part No. 501551
158 pieces • 25 items • 12056 steel tray

213716	504602	504610	504619	504627
213718	504603	504612	504621	504628
213720	504604	504614	504622	504630
213721	504606	504616	504624	504634
213722	504609	504617	504626	504635

Numbers in assortment



	DIA. 4-40 3/32 KEY		DIA. 6-32 3/32 KEY		DIA. 8-32 3/32 KEY		DIA. 10-24 1/8 KEY		DIA. 10-32 1/8 KEY		DIA. 1/4-20 5/32 KEY		DIA. 5/16-18 3/16 KEY		DIA. 3/8-16 7/32 KEY	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/4	504601	25	504604	25	504608	25	---	-	---	-	---	-	---	-	---	-
3/8	504602	25	504605	25	504609	25	504613	25	504618	25	504623	25	---	-	---	-
1/2	504603	25	504606	25	504610	25	504614	25	504619	25	504624	25	504628	25	504632	25
5/8	---	-	504607	25	504611	25	504615	25	504620	25	504625	25	504629	25	504633	25
3/4	---	-	---	-	504612	25	504616	25	504621	25	504626	25	504630	25	504634	25
1	---	-	---	-	---	-	504617	25	504622	25	504627	25	504631	25	504635	25
1-1/4	---	-	---	-	---	-	---	-	---	-	---	-	---	-	504636	25
1-1/2	---	-	---	-	---	-	---	-	---	-	---	-	---	-	---	-
KEY #	213716		213716		213716		213718		213718		213720		213721		213722	

A SECTION
FASTENERS & HARDWARE













QUICK SIZE REFERENCE CHART (partial listing)

	No. 6	No. 8	No.10	No. 12	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	
L9®	---	---	---	---	602901	602902	602903	602904	602905	602906	602907	602908	USS
	---	---	---	---	602911	602912	602913	602914	602915	602916	602917	602918	SAE
Grade 8	---	---	---	---	502675	502677	502679	502681	502683	502685	502687	502689	USS
	---	---	---	---	502676	502678	502680	502682	502684	502686	502688	502690	SAE
Standard Grade	---	---	---	---	51205	51207	51209	51211	51213	51215	51217	51219	USS
	---	---	---	---	51206	51208	51210	51212	51214	51216	51218	51220	SAE
Grade 8 Prevail.	---	---	---	---	404101	404102	404103	404104	404105	404106	404107	404108	USS
Torque Lock	---	---	---	---	404115	404116	404117	404118	404119	404120	404121	404122	SAE
Grade 5 Prevail.	---	---	---	---	503125	503126	503127	503128	503129	503130	503131	503132	USS
Torque Lock	---	---	---	---	503135	503136	503137	503138	503139	503140	503141	503142	SAE
Nylon Lock	51149	51150	51151	51147	51153	51155	51157	51161	51159	51163	51165	51167	USS
	---	---	51152	---	51154	51156	51158	51162	51160	51164	51166	51168	SAE
SAE Hi-Nylon	---	---	---	---	---	---	---	---	---	---	---	---	USS
Lock	---	---	---	---	---	---	503392	---	503393	---	503394	503395	SAE
Galvanized	---	---	---	---	603130	603131	603132	---	603133	---	603134	---	USS
	---	---	---	---	---	---	---	---	---	---	---	---	SAE
Heavy	---	---	---	---	503301	503302	503303	503304	503305	503306	503307	503308	USS
	---	---	---	---	---	---	---	---	---	---	---	---	SAE
SAE Hi-nut	---	---	---	---	---	---	---	---	---	---	---	---	USS
	---	---	---	---	---	---	---	503356	503357	503358	503359	503360	SAE
A194-2H Heavy	---	---	---	---	---	---	---	---	503220	---	503221	503222	USS
	---	---	---	---	---	---	---	---	---	---	---	---	SAE
Machine Screw	51122	51123	51125	51126	51127	51130	51131	---	---	---	---	---	USS
	---	---	51124	---	---	---	---	---	---	---	---	---	SAE
Keps	51111	51112	51113	51121	51115	51117	51119	---	---	---	---	---	USS
	---	---	51114	---	51116	51118	51120	---	---	---	---	---	SAE
Jam	---	---	---	---	503315	503317	503319	503321	503323	503325	503327	503329	USS
	---	---	---	---	503316	503318	503320	503322	503324	503326	503328	503330	SAE
Slotted	---	---	---	---	503335	503337	503339	503341	503343	503346	503348	503350	USS
	---	---	---	---	503336	503338	503340	503342	503345	503347	503349	503351	SAE
Grade G Flange	---	---	---	---	---	---	703174	---	703175	---	703176	703177	USS
	---	---	---	---	---	---	703170	---	703171	---	703172	703173	SAE
Flange	---	---	720252	---	50620	50621	50622	50616	50617	---	50618	50619	USS
	---	---	---	---	50624	50625	50626	50627	50628	---	---	---	SAE
Acorn Cap	503200	503201	503202	---	503204	503205	503206	---	503207	---	---	---	USS
	---	---	503203	---	---	---	---	---	---	---	---	---	SAE
Square	---	---	---	---	503230	503231	503232	503233	503234	---	503235	503236	USS
	---	---	---	---	---	---	---	---	---	---	---	---	SAE
Forged Wing	51140	51141	51142	---	51143	51144	51145	51146	51137	---	51138	51139	USS
	---	---	51136	---	---	--	---	---	---	---	---	---	SAE
Stamped Wing	---	503374	503375	503377	503378	503379	---	---	---	---	---	---	USS
	---	---	---	---	---	---	---	---	---	---	---	---	SAE
Tee	---	603101	603102	---	603104	603105	603106	---	---	---	---	---	USS
	---	---	603107	---	---	---	---	---	---	---	---	---	SAE
Wrench size*	5/16	11/32	3/8	7/16	7/16	1/2	9/16	11/16	3/4	7/8	15/16	1-1/8	

***Wrench sizes may vary from this chart, so use this only as a guideline for choosing nuts.**

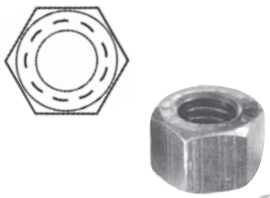
NOT ALL AVAILABLE SIZES AND STYLES ARE SHOWN. CHECK FOLLOWING PAGES FOR COMPLETE LISTINGS.

SUPRALLOY L9® HEX NUTS

Protected by
CADMIUM WAXED YELLOW DICHROMATE™
against rust & corrosion

For use with L9® Cap Screws

- **Minimum 180,000 PSI proof load.**
- **Extra thickness offers a larger wrench pad for high torque application.**
- **Plated with Yellow Cadmium Dichromate & wax providing excellent corrosion protection as well as proper lubrication for torque values.**



SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT/HEGHT MIN.	QTY
1/4	602901	602911	7/16	1/4	50
5/16	602902	602912	1/2	5/16	50
3/8	602903	602913	9/16	3/8	50
7/16	602904	602914	11/16	7/16	25
1/2	602905	602915	3/4	1/2	25

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT/HEGHT MIN.	QTY
9/16	602906	602916	7/8	9/16	15
5/8	602907	602917	15/16	5/8	15
3/4	602908	602918	1-1/8	3/4	10
7/8	602909	602919	1-5/16	7/8	5
1	602910	602920	1-1/2	1	5



Asst. No. 601092 is shown here.

Sizes: 1/4" through 1"
USS (COARSE)
Part No. 601089
109 pieces • 10 items
12038 plastic tray

602901 602904 602907 602910
602902 602905 602908
602903 602906 602909

Numbers in assortment

Sizes: 1/4" through 1"
SAE (FINE)
Part No. 601090
109 pieces • 10 items
12038 plastic tray

602911 602914 602917 602920
602912 602915 602918
602913 602916 602919

Numbers in assortment

MASTER ASSORTMENT
Sizes: 1/4" through 1"
USS (COARSE) & SAE (FINE)
Part No. 601092
204 pieces • 20 items • 12071 steel tray

602901 602905 602909 602913 602917
602902 602906 602910 602914 602918
602903 602907 602911 602915 602919
602904 602908 602912 602916 602920

Numbers in assortment

NUTS

*Product standards require all grade-marked nuts 1/4" diameter and larger to have a raised or depressed insignia identifying its manufacturer. "X" represents one location such an insignia may appear.

GRADE 8 ALLOY HEX NUTS

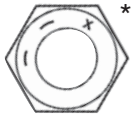
For use with Grade 8 Cap Screws

- **Minimum 150,000 PSI proof load.**

Protected by **ZINC-YELLOW DICHROMATE™** against rust & corrosion

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**502675**	**502676**	7/16	7/32	100
5/16	**502677**	**502678**	1/2	17/64	100
3/8	**502679**	**502680**	9/16	21/64	100
7/16	**502668***	**502669†**	5/8	3/8	25
7/16	**502681**	**502682**	11/16	3/8	50
1/2	**502683**	**502684**	3/4	7/16	50
9/16	**502685**	**502686**	7/8	31/64	30
5/8	**502687**	**502688**	15/16	35/64	30
3/4	**502689**	**502690**	1-1/8	41/64	20
7/8	**502691**	**502692**	1-5/16	3/4	10
1	**502693**	**502694**	1-1/2	55/64	10
1-1/8	**502695**	**502696**	1-11/16	31/32	1
1-1/4	**502697**	**502698**	1-7/8	1-1/16	1
1-3/8	**502671**	**502672**	2-1/16	1-11/64	1
1-1/2	**502699**	**502670**	2-1/4	1-9/32	1
1-3/4	**502673**	**---**	2-5/8	1-1/2	1
2	**502674**	**---**	3	1-23/32	1
--	**---**	**---**	--	--	-

† Not included in assortments.



Approved style of grade marking as issued by SAE J995, revised July 1999.



Asst. No. 501092 is shown here.

Sizes: 1/4" through 9/16"
USS (COARSE)
Part No. 502001
103 pieces • 6 items
12028 plastic tray

502675	502679	502683
502677	502681	502685

Numbers in assortment

Sizes: 1/4" through 9/16"
SAE (FINE)
Part No. 502002
103 pieces • 6 items
12028 plastic tray

502676	502680	502684
502678	502682	502686

Numbers in assortment

MASTER ASSORTMENT
Sizes: 1/4" through 1"
USS (COARSE) & SAE (FINE)
Part No. 501092
204 pieces • 20 items • 12071 steel tray

502675	502679	502683	502687	502691
502676	502680	502684	502686	502692
502677	502681	502685	502689	502693
502678	502682	502686	502690	502694

Numbers in assortment

GRADE 5 HEX NUTS

For use with Grade 5 Cap Screws

- **Minimum proof load**
  USS 1/4 - 1'' = 120,000 PSI USS 1 - 1-1/2'' = 105,000 PSI SAE 1/4 - 1'' = 109,000 PSI SAE 1 - 1-1/2'' = 94,000 PSI

Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**503260**	**503261**	7/16	7/32	100
5/16	**503262**	**503263**	1/2	17/64	100
3/8	**503264**	**503265**	9/16	21/64	100
7/16	**503266**	**503267**	11/16	3/8	50
1/2	**503268**	**503269**	3/4	7/16	50
9/16	**503270**	**503271**	7/8	31/64	25
5/8	**503272**	**503273**	15/16	35/64	25
3/4	**503274**	**503275**	1-1/8	41/64	25
7/8	**503276**	**503277**	1-5/16	3/4	10
1	**503278**	**503279**	1-1/2	55/64	10
1-1/8	**503280**	**503281**	1-11/16	31/32	5
1-1/4	**503282**	**503283**	1-7/8	1-1/16	5
1-1/2	**503284**	**503285**	2-1/4	1-9/32	5



Asst. No. 501530 is shown here.





Approved style of grade marking as issued by SAE J995, revised July 1999.

Sizes: 1/4" through 9/16"
USS (COARSE)
Part No. 503026
103 pieces • 6 items
12028 plastic tray

503260	503264	503268
503262	503266	503270

Numbers in assortment

Sizes: 1/4" through 9/16"
SAE (FINE)
Part No. 503027
103 pieces • 6 items
12028 plastic tray

503261	503265	503269
503263	503267	503271

Numbers in assortment

MASTER ASSORTMENT
Sizes: 1/4" through 1"
USS (COARSE) & SAE (FINE)
Part No. 501530
204 pieces • 20 items • 12071 steel tray

503260	503264	503268	503272	503276
503261	503265	503269	503273	503277
503262	503266	503270	503274	503278
503264	503267	503271	503275	503279

Numbers in assortment

NUTS

STANDARD GRADE HEX NUTS

Protected by **LUSTERPLATE™** against rust & corrosion

For use with Grade 5 or Lower Cap Screws & Bolts

- **Minimum 90,000 PSI proof load.**



SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**51205**	**51206**	7/16	7/32	200
5/16	**51207**	**51208**	1/2	17/64	200
3/8	**51209**	**51210**	9/16	21/64	200
7/16	**51231***	**51232***	5/8	3/8	50
7/16	**51211**	**51212**	11/16	3/8	100
1/2	**51213**	**51214**	3/4	7/16	100
9/16	**51215**	**51216**	7/8	31/64	100
5/8	**51217**	**51218**	15/16	35/64	100
3/4	**51219**	**51220**	1-1/8	41/64	50
7/8	**51221**	**51222**	1-5/16	3/4	20
1	**51223**	**51224**	1-1/2	55/64	20
1-1/8	**51225**	**51226**	1-11/16	31/32	20
1-1/4	**51227**	**51228**	1-7/8	1-1/16	20
1-1/2	**51229**	**51230**	2-1/4	1-9/32	10

*** Not included in assortments.**



Asst. No. 51202 is shown here.

MASTER ASSORTMENT
Sizes: 1/4" through 1"
USS (COARSE)
Part No. 501614
195 pieces • 10 items • 12061 steel tray

51205	51209	51213	51217	51221
51207	51211	51215	51219	51223

Numbers in assortment

Sizes: 1/4" through 9/16"
USS (COARSE)
Part No. 51201
150 pieces • 6 items
12028 plastic tray

51205	51209	51213
51207	51211	51215

Numbers in assortment

Sizes: 1/4" through 9/16"
SAE (FINE)
Part No. 51202
150 pieces • 6 items
12028 plastic tray

51206	51210	51214
51208	51212	51216

Numbers in assortment

L9® PREVAILING TORQUE LOCK NUTS

Protected by **CADMIUM WAXED YELLOW DICHROMATE™** against rust & corrosion

Withstands severe vibration and shock in critical areas. Also suitable for high temperature environments.

- **Proof stress 150,000 PSI maximum.**
- **For use with L9® cap screws.**
- **Meets IFI, ANSI and SAE specs.**



SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	MAX TORQUE (FT/LBS) USS	MAX. TORQUE (FT/LBS) SAE	QTY
1/4	**602921**	**602931**	7/16	10.5	10.5	50
5/16	**602922**	**602932**	1/2	16.0	17.0	50
3/8	**602923**	**602933**	9/16	29.0	30.0	50
7/16	**602924**	**602934**	11/16	44.0	45.0	25
1/2	**602925**	**602935**	3/4	66.0	69.0	25
9/16	**602926**	**602936**	7/8	95.0	100.0	25
5/8	**602927**	**602937**	15/16	122.5	130.0	25
3/4	**602928**	**602938**	1-1/8	210.0	210.0	10
7/8	**602929**	**602939**	1-5/16	310.0	310.0	5
1	**602930**	**602940**	1-1/2	460.0	495.0	5

GRADE 8 PREVAILING TORQUE LOCK NUTS

Protected by **LUSTERPLATE™** against rust & corrosion

- **Proof stress 150,000 PSI maximum. For use with Grade 8 cap screws, B-7 rods and studs.**
- **Meets IFI, ANSI and SAE specs for Class 'C'.**



Sizes: 1/4" through 3/4"
USS (COARSE) & SAE (FINE)
Part No. 501095L
280 pieces • 16 items
12050 steel tray

404101	404105	404115	404119
404102	404106	404116	404120
404103	404107	404117	404121
404104	404108	404118	404122

1/2 QUANTITY AVAILABLE ORDER NO. 501095M
Numbers in assortment



Withstands severe vibration and shock in critical areas. Also suitable for high temperature environments.

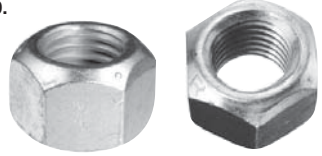
SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	MAX TORQUE (FT/LBS) USS	MAX. TORQUE (FT/LBS) SAE	QTY
1/4	**404101**	**404115**	7/16	10.5	10.5	50
5/16	**404102**	**404116**	1/2	16.0	17.0	50
3/8	**404103**	**404117**	9/16	29.0	30.0	50
7/16	**404104**	**404118**	11/16	44.0	45.0	50
1/2	**404105**	**404119**	3/4	66.0	69.0	24
9/16	**404106**	**404120**	7/8	95.0	100.0	24
5/8	**404107**	**404121**	15/16	122.5	130.0	20
3/4	**404108**	**404122**	1-1/8	210.0	210.0	20
7/8	**404109**	**404123**	1-5/16	310.0	310.0	8
1	**404110**	**404124**	1-1/2	460.0	495.0	8

GRADE 5 PREVAILING TORQUE LOCK NUTS

Protected by **LUSTERPLATE™** against rust & corrosion

Used wherever there are vibration problems. Trucks, automobile, factories, farming, construction.

- **Proof stress 120,000 PSI maximum. For use with Grade 5 cap screws.**
- **Meets IFI, ANSI and SAE specs and MS-51922, MS-51943, MS-51988, MS-21045, MS-21046, NAS-1408, NAS-1409.**



SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	MAX TORQUE (FT/LBS) USS	MAX. TORQUE (FT/LBS) SAE	QTY
1/4	**503125**	**503135**	7/16	7.0	7.25	50
5/16	**503126**	**503136**	1/2	13.5	13.5	50
3/8	**503127**	**503137**	9/16	19.5	22.0	50
7/16	**503128**	**503138**	11/16	33.5	33.5	50
1/2	**503129**	**503139**	3/4	50.0	52.0	25
9/16	**503130**	**503140**	7/8	69.0	75.0	25
5/8	**503131**	**503141**	15/16	95.0	97.5	20
3/4	**503132**	**503142**	1-1/8	155.0	165.0	20

NUTS

NYLON INSERT JAM LOCK NUTS

Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
No. 2	**514101**	**---**	1/4	7/64	50
No. 3	**514102**	**---**	1/4	7/64	50
No. 4	**514103**	**514123**	1/4	7/64	50
No. 5	**514104**	**514124**	1/4	7/64	50
No. 6	**514105**	**514125**	1/4	7/64	50
No. 8	**514106**	**514126**	11/32	11/64	50
No. 10*	**514107**	**514127**	3/8	11/64	50
No. 12	**514108**	**---**	7/16	13/64	50
1/4	**514109**	**514129**	7/16	13/64	50
5/16	**514110**	**514130**	1/2	1/4	50
3/8	**514111**	**514131**	9/16	17/64	25
7/16	**514112**	**514132**	5/8	5/16	25
1/2	**514113**	**514133**	3/4	5/16	25
9/16	**514114**	**514134**	7/8	23/64	10
5/8	**514115**	**514135**	15/16	25/64	10
3/4	**514116**	**514136**	1-1/6	13/32	10
7/8	**514117**	**514137**	1-1/4	15/32	10
1	**514118**	**514138**	1-7/16	35/64	10

*** 3/16 size**

- **Positive locking action resists vibration.**
- **Reusable. Nylon collar actually recovers.**
- **For use with Grade 2 & 5 fasteners.**



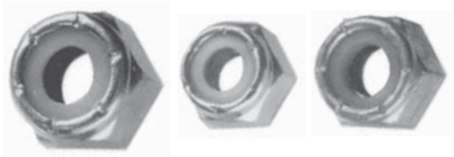


Sizes: 6-32 through 1”
USS (COARSE) & SAE (FINE)
Part No. 501554
219 pieces • 22 items
12017 steel tray

514105	514111	514117	514131	514137
514106	514112	514118	514132	514138
514107	514113	514127	514133	
514109	514115	514129	514135	
514110	514116	514130	514136	

Numbers in assortment

NYLON INSERT HEAVY LOCK NUTS



Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PART NO. USS THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**514140**	1/2	3/8	50
5/16	**514141**	9/16	7/16	50
3/8	**514142**	11/16	35/64	25
7/16	**514143**	7/8	45/64	25
1/2	**514144**	7/8	45/64	25
9/16	**514145**	15/16	51/64	10
5/8	**514146**	1-1/16	55/64	10
3/4	**514147**	1-1/4	1	5
7/8	**514148**	1-7/16	1-1/8	5
1	**514149**	1-5/8	1-9/32	5

- **Positive locking action resists vibration.**
- **Reusable. Nylon collar actually recovers.**
- **For use with Grade 2 & 5 fasteners.**



Sizes: 1/4” through 1”
USS (COARSE)
Part No. 501555
96 pieces • 9 items
12061 steel tray

514140	514142	514144	514147	514149
514141	514143	514146	514148	

Numbers in assortment



Sizes: 1/4” through 1/2”
USS (COARSE)
Part No. 514002
55 pieces • 5 items
12028 plastic tray

514140	514141	514142	514143	514144

Numbers in assortment

GRADE 8 NYLON INSERT LOCK NUTS

Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**514150**	**514160**	7/16	5/16	10
5/16	**514151**	**514161**	1/2	11/32	10
3/8	**514152**	**514162**	9/16	29/64	10
7/16	**514153**	**514163**	5/8	29/64	10
1/2	**514154**	**514164**	3/4	19/32	10
9/16	**514155**	**514165**	7/8	41/64	5
5/8	**514156**	**514166**	15/16	3/4	5
3/4	**514157**	**514167**	1-1/16	7/8	5
7/8	**514158**	**514168**	1-1/4	63/64	2
1	**514159**	**514169**	1-7/16	1-3/64	2



VALUE PACK
BOX OF 25
VOLUME USER DISCOUNT

- **Minimum proof load - 150,000 PSI.**
- **Positive locking action resists vibration.**
- **Reusable. Nylon collar actually recovers.**
- **For use with Grade 8 fasteners.**





Assortment Photo for illustration purposes only.
Actual Contents may vary.

Sizes: 1/4” through 1”*
***9/16” not included**
USS (COARSE)
Part No. 501566
96 pieces • 9 items • 12061 steel tray

514150	514152	514154	514157	514159
514151	514153	514156	514158	

Numbers in assortment

Sizes: 1/4” through 1”*
***9/16” not included**
SAE (FINE)
Part No. 501567
96 pieces • 9 items • 12061 steel tray

514160	514162	514164	514167	514169
514161	514163	514166	514168	

Numbers in assortment

NUTS

GRADE 5 NYLON INSERT LOCK NUTS

Protected by **LUSTERPLATE™** against rust & corrosion





- **Minimum proof load - USS 120,000 PSI & SAE 109,000 PSI.**
- **Positive locking action resists vibration.**
- **Reusable. Nylon collar actually recovers.**
- **For use with Grade 5 fasteners.**

Assortment Photo for illustration purposes only. Actual Contents may vary.

VALUE PACK
BOX OF 25 VOLUME USER DISCOUNT

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**514175**	**514185**	7/16	5/16	10
5/16	**514176**	**514186**	1/2	11/32	10
3/8	**514177**	**514187**	9/16	29/64	10
7/16	**514178**	**514188**	5/8	29/64	10
1/2	**514179**	**514189**	3/4	19/32	10
9/16	**514180**	**514190**	7/8	41/64	5
5/8	**514181**	**514191**	15/16	3/4	5
3/4	**514182**	**514192**	1-1/16	7/8	5
7/8	**514183**	**514193**	1-1/4	63/64	2
1	**514184**	**514194**	1-7/16	1-3/64	2

Sizes: 1/4" through 1"*
***9/16" not included**
USS (COARSE)
Part No. 501568
96 pieces • 9 items • 12061 steel tray

514175 514177 514179 514182 514184
514176 514178 514181 514183

Numbers in assortment

Sizes: 1/4" through 1/2"
USS (COARSE)
Part No. 514005
55 pieces • 5 items
12028 plastic tray

514175 514177 514179
514176 514178

Numbers in assortment

Sizes: 1/4" through 1/2"
SAE (FINE)
Part No. 514006
55 pieces • 5 items
12028 plastic tray

514185 514187 514189
514186 514188

Numbers in assortment

NYLON INSERT LOCK NUTS



Sizes: 3/16" through 3/4"
USS (COARSE) & SAE (FINE)
Part No. 501003
240 pieces • 16 items
12017 steel tray

51151 51154 51157 51160 51165 51188
51152 51155 51158 51161 51166
51153 51156 51159 51162 51167

Numbers in assortment

- **Positive locking action resists vibration.**
- **Reusable. Nylon collar actually recovers.**
- **For use with Grade 2 & 5 fasteners.**



Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
No. 4	**51148**	**---**	1/4	9/64	100
No. 6	**51149**	**---**	5/16	3/16	100
No. 8	**51150**	**---**	11/32	15/64	100
10-24*	**51151**	**---**	3/8	15/64	50
10-32*	**---**	**51152†**	3/8	15/64	50
No. 12	**51147**	**---**	7/16	5/16	100
1/4	**51153**	**51154**	7/16	5/16	100
5/16	**51155**	**51156**	1/2	11/32	100
3/8	**51157**	**51158**	9/16	29/64	50
7/16	**51161**	**51162**	5/8	29/64	50
1/2	**51159**	**51160**	3/4	19/32	50
9/16	**51163**	**51164**	7/8	41/64	24
5/8	**51165**	**51166**	15/16	3/4	24
3/4	**51167**	**51168**	1-1/16	7/8	10
7/8	**51169**	**51170**	1-1/4	63/64	10
1	**51188**	**51189**	1-7/16	1-3/64	10

***3/16 size †Also contained in Asst. No. 501616**



Sizes: No. 4 through 1"
USS (COARSE)
Part No. 501616
398 pieces • 16 items
12050 steel tray

51147 51150 51153 51159 51165 51188
51148 51151 51155 51161 51167
51149 51152 51157 51163 51169

Numbers in assortment



Sizes: 1/4" through 1/2"
USS (COARSE) & SAE (FINE)
Part No. 51106
118 pieces • 10 items
12027 plastic tray

51153 51155 51157 51159 51161
51154 51156 51158 51160 51162

Numbers in assortment

SAE HI-NYLON LOCK NUTS

- **SAE (fine) thread.**
- **Remains locked where other nuts fail.**
- **Extra high nut height for an increased gripping area.**



Sizes: 3/8" through 3/4"
Part No. 503015
16 pieces • 4 items
12034 plastic tray

503392 503394
503393 503395

Numbers in assortment

Protected by **LUSTERPLATE™** against rust & corrosion



SIZE	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
3/8	**503392**	9/16	41/64	12
1/2	**503393**	3/4	13/16	6
5/8	**503394**	15/16	1	6
3/4	**503395**	1-1/16	1-1/4	6
7/8	**503396**	1-1/4	1-7/16	3
1	**503397**	1-7/16	1-43/64	3

NUTS

GRADE 2 LEFT HAND THREAD HEX NUTS

Specifically for equipment, machinery or anything that rotates.

SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**514201**	**514214**	7/16	7/32	25
5/16	**514202**	**514215**	1/2	17/64	25
3/8	**514203**	**514216**	9/16	21/64	25
7/16*	**514204**	**514217**	11/16	3/8	25
1/2	**514205**	**514218**	3/4	7/16	10
9/16*	**514206**	**514219**	7/8	31/64	10
5/8	**514207**	**514220**	15/16	35/64	10
3/4	**514208**	**514221**	1-1/8	41/64	5
7/8	**514209**	**514222**	1-5/16	3/4	5
1	**514210**	**514223**	1-1/2	55/64	5
1-1/8	**514211**	**514224**	1-11/16	31/32	2
1-1/4	**514212**	**514225**	1-7/8	1-1/16	2
1-1/2	**514213**	**514226**	2-1/4	1-9/32	2

*** Not included in assortment.**



- **Left hand threads prevents nut from coming off.**
- **Minimum 90,000 PSI proof load.**





Sizes: 1/4" through 5/8"
USS (COARSE) & SAE (FINE)
Part No. 514007
38 pieces • 10 items
12030 plastic tray

514201 514203 514207 514215 514217
514202 514205 514214 514216 514218
Numbers in assortment

GRADE 5 LEFT HAND THREAD HEX NUTS

Specifically for equipment, machinery or anything that rotates.

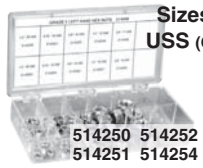
SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**514250**	**514263**	7/16	7/32	25
5/16	**514251**	**514264**	1/2	17/64	25
3/8	**514252**	**514265**	9/16	21/64	25
7/16*	**514253**	**514266**	11/16	3/8	25
1/2	**514254**	**514267**	3/4	7/16	10
9/16*	**514255**	**514268**	7/8	31/64	10
5/8	**514256**	**514269**	15/16	35/64	10
3/4	**514257**	**514270**	1-1/8	41/64	5
7/8	**514258**	**514271**	1-5/16	3/4	5
1	**514259**	**514272**	1-1/2	55/64	5
1-1/8	**514260**	**514273**	1-11/16	31/32	2
1-1/4	**514261**	**514274**	1-7/8	1-1/16	2
1-1/2	**514262**	**514275**	2-1/4	1-9/32	2

*** Not included in assortment.**



- **Left hand threads prevents nut from coming off.**
- **Minimum proof load**
  USS 1/4 - 1" = 120,000 PSI **USS 1 - 1-1/2" = 105,000 PSI**
  SAE 1/4 - 1" = 109,000 PSI **SAE 1 - 1-1/2" = 94,000 PSI**





Sizes: 1/4" through 5/8"
USS (COARSE) & SAE (FINE)
Part No. 514008
38 pieces • 10 items
12030 plastic tray

514250 514252 514256 514264 514267
514251 514254 514263 514265 514269
Numbers in assortment

GALVANIZED HEX NUTS

SIZE	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**603130**	7/16	5/16	50
5/16	**603131**	1/2	11/32	50
3/8	**603132**	9/16	29/64	50
1/2	**603133**	3/4	19/32	25
5/8	**603134**	15/16	3/4	10

- **USS (coarse) thread.**
- **Hot dipped galvanized for superior corrosion resis'**
- **Tapped oversize.**
- **Used with galvanized bolts.**





Part No. 601050
98 pieces • 5 items
12028 plastic tray

603130 603132 603134
603131 603133
Numbers in assortment

HEAVY HEX NUTS

SIZE	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**503301**	1/2	15/64	50
5/16	**503302**	9/16	19/64	50
3/8	**503303**	11/16	23/64	50
7/16	**503304**	3/4	27/64	50
1/2	**503305**	7/8	31/64	50
9/16	**503306**	15/16	35/64	12
5/8	**503307**	1-1/16	39/64	12
3/4	**503308**	1-1/4	47/64	6
7/8	**503309**	1-7/16	55/64	6
1	**503310**	1-5/8	63/64	4

- **USS (coarse) thread.**

Protected by
LUSTERPLATE™
against rust & corrosion





Sizes: 1/4" through 9/16"
Part No. 503019
74 pieces • 6 items
12028 plastic tray

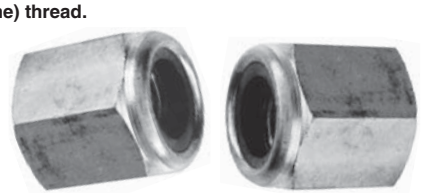
503301 503303 503305
503302 503304 503306
Numbers in assortment

SAE HI-NUTS

SIZE	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
7/16	**503356**	5/8	39/64	12
1/2	**503357**	3/4	11/16	12
9/16	**503358**	7/8	49/64	12
5/8	**503359**	15/16	27/32	12
3/4	**503360**	1-1/8	1	6
7/8	**503361**	1-5/16	1-5/32	6
1	**503362**	1-1/2	1-5/16	6

- **SAE (fine) thread.**

Protected by
LUSTERPLATE™
against rust & corrosion



NUTS

A194-2H HEAVY HEX NUTS

Protected by
BLACK OXIDE FINISH™
against rust & corrosion

- Heat treated to withstand 1100°F temperatures.
- USS (coarse) threads.
- Use with A193 B-7 studs and rod.
- Meets ASTM - 194 specs.
- Black oxide finish.
- 175m PSI.



SIZE/ THREAD	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
1/2-13	**503220**	7/8	31/64	12
5/8-11	**503221**	1-1/16	39/64	12
3/4-10	**503222**	1-1/4	47/64	12
7/8-9	**503223**	1-7/16	55/64	12
1-8	**503224**	1-5/8	63/64	12
1-1/8-8	**503225**	1-13/16	1-7/64	12
1-1/4-8	**503226**	2	1-7/32	12
1-1/2-8	**503227**	2-3/8	1-15/32	12

MACHINE SCREW NUTS

Protected by
LUSTERPLATE™
against rust & corrosion



Sizes: No. 6 through 1/4"
Part No. 51105
420 pieces • 6 items
12028 plastic tray

51122	51124	51126
51123	51125	51127

Numbers in assortment



SIZE	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
4-40	**51128**	1/4	3/32	200
6-32	**51122**	5/16	7/64	200
8-32	**51123**	11/32	1/8	200
10-32*†	**51124**	3/8	1/8	200
10-24*	**51125**	3/8	1/8	200
12-24	**51126**	7/16	5/32	200
1/4-20	**51127**	7/16	3/16	100
5/16-18	**51130**	9/16	7/32	100
3/8-16	**51131**	5/8	1/4	100

*** 3/16 diameter** **† Fine thread**

KEPS NUTS

Protected by
LUSTERPLATE™
against rust & corrosion



All sizes except No. 12
Part No. 51103
280 pieces • 10 items
12030 plastic tray

51111	51113	51115	51117	51119
51112	51114	51116	51118	51120

Numbers in assortment

- Self contained, free spinning washer.
- A must for electrical connections.

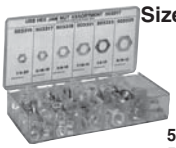


SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
6-32	**51111**	**---**	5/16	1/8	100
8-32	**51112**	**---**	11/32	1/8	100
10-24*	**51113**	**---**	3/8	5/32†	100
10-32*	**---**	**51114**	3/8	5/32†	100
12-24	**51121**	**---**	3/8	5/32†	100
1/4	**51115**	**51116**	7/16	17/64†	100
5/16	**51117**	**51118**	1/2	21/64†	100
3/8	**51119**	**51120**	9/16	25/64†	100

*** 3/16 diameter** **† Includes washer height**

JAM NUTS

Protected by
LUSTERPLATE™
against rust & corrosion



Sizes: 1/4" through 9/16"
USS (COARSE)
Part No. 503017
125 pieces • 6 items
12032 plastic tray

503315	503319	503323
503317	503321	503325

Numbers in assortment



SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**503315**	**503316**	7/16	5/32	100
5/16	**503317**	**503318**	1/2	3/16	100
3/8	**503319**	**503320**	9/16	7/32	100
7/16	**503321**	**503322**	11/16	1/4	50
1/2	**503323**	**503324**	3/4	5/16	50
9/16	**503325**	**503326**	7/8	5/16	12
5/8	**503327**	**503328**	15/16	3/8	12
3/4	**503329**	**503330**	1-1/8	27/64	12
7/8	**503331**	**503332**	1-15/16	31/64	12
1	**503333**	**503334**	1-1/2	35/64	6

SLOTTED HEX NUTS

Protected by
BLACK OXIDE FINISH™
against rust & corrosion



Sizes: 1/4" through 3/4"
SAE (FINE)
Part No. 503012
90 pieces • 8 items
12030 plastic tray

503336	503340	503345	503349
503338	503342	503347	503351

Numbers in assortment



SIZE	PART NO. USS THREAD	PART NO. SAE THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4	**503335**	**503336**	7/16	7/32	50
5/16	**503337**	**503338**	1/2	13/64	50
3/8	**503339**	**503340**	9/16	21/64	50
7/16	**503341**	**503342**	11/16	3/8	12
1/2	**503343**	**503345**	3/4	7/16	12
9/16	**503346**	**503347**	7/8	31/64	12
5/8	**503348**	**503349**	15/16	35/64	12
3/4	**503350**	**503351**	1-1/8	41/64	12
7/8	**503344**	**503352**	1-15/16	3/4	10
1	**503353**	**503354**	1-1/2	55/64	10

NUTS

GRADE 5 SAE (FINE) CASTLE HEX NUTS

SIZE	PART NO. USS THREAD	WRENCH SIZE	NUT HEIGHT	QTY
1/4-28	**503240**	7/16	9/32	25
5/16-24	**503241**	1/2	21/64	25
3/8-24	**503242**	9/16	13/32	25
7/16-20	**503243**	11/16	29/64	25
1/2-20	**503244**	3/4	9/16	10
9/16-18	**503245**	7/8	39/64	10
5/8-18	**503246**	15/16	23/32	10
3/4-16	**503247**	1-1/8	13/16	10
7/8-14	**503248**	1-15/16	29/32	5
1-14	**503249**	1-1/2	1	5

- Castle nuts have a cylindrical crown.
- Used with locking pins.
- Cleans cut slots.
- Used as spindle lock nuts.



Protected by **BLACK OXIDE FINISH™** against rust & corrosion



Part No. 501649
78 pieces • 10 items
12061 steel tray

503240 503243 503246 503249
503241 503244 503247
503242 503245 503248

Numbers in assortment

FLANGE NUTS

"GRADE G" HEX LOCK FLANGE NUTS

SIZE	PART NUMBER (USS)	PART NUMBER (SAE)	QTY
3/8	**703174**	**703170**	50
1/2	**703175**	**703171**	50
5/8	**703176**	**703172**	50
3/4	**703177**	**703173**	10

- Specifically for use with Grade 8 Flange bolts & A193 B-7 studs & threaded rod.
- See A12 for flange bolts.
- Phosphate and oil finish.



HEX LOCK FLANGE NUTS

SIZE	PART NUMBER (USS)	PART NUMBER (SAE)	QTY
10-24	**720252***	**---**	50
1/4	**50620**	**50624**	50
5/16	**50621**	**50625†**	50
3/8	**50622**	**50626**	50

SIZE	PART NUMBER (USS)	PART NUMBER (SAE)	QTY
7/16	**50616**	**50627**	25
1/2	**50617**	**50628**	25
5/8	**50618**	**---**	25
3/4	**50619**	**---**	10

† Black Oxide Finish * 3/16" Diameter

- Flange style with serrated washer face.
- Case hardened.
- Lusterplated.



ACORN CAP NUTS

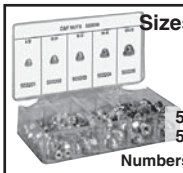
SIZE	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
6-32	**503200**	5/16	9/32	100
8-32	**503201**	5/16	9/32	100
10-24*	**503202**	3/8	11/32	100
10-32*†	**503203**	3/8	11/32	100
1/4-20	**503204**	7/16	3/8	100
5/16-18	**503205**	9/16	7/16	50
3/8-16	**503206**	5/8	1/2	50
1/2-13	**503207**	3/4	9/16	25

***3/16" diameter † Fine Thread**

- USS (coarse) threads.
- Dome cover for neat appearance and to prevent snagging.



Protected by **LUSTERPLATE™** against rust & corrosion



Sizes: No. 8 through 5/16"
Part No. 503009
115 pieces • 5 items
12034 plastic tray

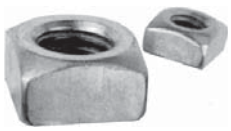
503201 503203 503205
503202 503204

Numbers in assortment

SQUARE NUTS

SIZE	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
1/4-20	**503230**	7/16	7/32	100
5/16-18	**503231**	9/16	17/64	100
3/8-16	**503232**	5/8	21/64	50
7/16-14	**503233**	3/4	3/8	25
1/2-13	**503234**	13/16	7/16	25
5/8-11	**503235**	1	35/64	10
3/4-10	**503236**	1-1/8	21/32	10
7/8-9	**503237**	1-5/16	49/64	5
1-8	**503238**	1-1/2	7/8	5

- USS (coarse) threads.



Protected by **LUSTERPLATE™** against rust & corrosion

Sizes: 1/4" through 1/2"
Part No. 503025
68 pieces • 5 items • 12028 plastic tray

503230 503231 503232 503233 503234

Numbers in assortment

FORGED WING NUTS

SIZE	PART NUMBER (USS)	QTY
6-32	**51140**	50
8-32	**51141**	50
10-24*	**51142**	50
10-32*†	**51136**	50
1/4-20	**51143**	50
5/16-18	**51144**	25

SIZE	PART NUMBER (USS)	QTY
3/8-16	**51145**	25
7/16-14	**51146**	10
1/2-13	**51137**	10
5/8-11	**51138**	5
3/4-10	**51139**	5
--	**---**	-

*** 3/16" Diameter † Fine Thread**

- USS (coarse) threads.
- Nickel plated forged steel, twice as strong as die cast nuts.





Sizes: No. 8 through 3/8" plus 2 metric sizes, 5 and 6mm
Part No. 51104
61 pieces • 7 items
12035 plastic tray

51141 51143 51145 553299
51142 51144 532100

Numbers in assortment

NUTS

NYLON INSERT LOCKING WING NUTS

- Die cast alloy steel.
- Reusable, nylon collar actually recovers.
- Positive locking action resists vibration.
- Bright finish - rust resistant.



SIZE	PART NUMBER	QTY
8-32	**503210**	10
10-24*	**503211**	10
10-32*†	**503212**	10
1/4-20	**503213**	10
1/4-28†	**503214**	10
5/16-18	**503215**	10

*** 3/16" Diameter † Fine Thread**

STAMPED LOCKING WING NUTS

Protected by **LUSTERPLATE™** against rust & corrosion

- Fits screw size listed below.



SIZE	PART NUMBER	QTY
8-32	**503374**	100
10-24*	**503375**	100
12-24	**503377**	100
1/4-20	**503378**	100
5/16-18	**503379**	100

***3/16" diameter**

CLAW PRONG TEE NUTS

Inserts for wood.

- Eliminates countersinks, adds strength with steel threads in wood applications.
- Prongs grip tightly, won't spin or backout.
- USS (coarse) threads.



Part No. 603100
48 pieces • 6 items
12028 plastic tray

603101	603103	603105
603102	603104	603106

Numbers in assortment



SIZE	PART NUMBER	A	B	C	D	S +.015 —.000	QTY
8-32	**603101**	3/4	1/4	.213/.208	3/16	.035	12
10-24	**603102**	3/4	9/32	.232/.227	13/64	.035	12
10-32	**603107***	3/4	9/32	.232/.227	13/64	.035	12
1/4-20	**603103**	3/4	5/16	.294/.289	15/64	.042	12
1/4-20	**603104**	3/4	3/8	.294/.289	15/64	.042	12
5/16-18	**603105**	7/8	3/8	.369/.364	19/64	.052	12
3/8-16	**603106**	1	7/16	.448/.443	11/32	.062	12

***Not in assortment no. 603100**

BRASS WOOD INSERTS

Threaded inserts for wood & similar materials.



Part No. 406150
62 pieces • 8 items
12030 plastic tray

406151	406153	406155	406157
406152	406154	406156	406158

Numbers in assortment

- Installed with a drill and a screwdriver. Removable, reusable. Pullout strength 2-3 times greater than wood screws.
- Use wherever wood is held by screws.
- Allows use of machine screws and bolts.



INTERNAL THREAD	PART NUMBER	DRILL SIZE	QTY
4-40	**406157**	11/64	10
6-32	**406151**	11/64	10
8-32	**406152**	13/64	10
10-24	**406153**	15/64	10
10-32	**406158**	15/64	10
1/4-20	**406154**	5/16	10
5/16-18	**406155**	3/8	5
3/8-16	**406156**	15/32	5

WELL NUTS® BLIND FASTENERS

For attaching lights, mirrors, rack to trucks, trailers and cars.



- One blind fastener that does it all.
- Neoprene with captive brass nut.



Part No. 503010
56 pieces • 6 items
12028 plastic tray

503165	503167	503169
503166	503168	503171

Numbers in assortment

SIZE	PART NUMBER	SHANK DIAMETER	OVERALL LENGTH	HOLE SIZE	QTY
6-32	**503165**	.312	.599	5/16	50
8-32	**503166**	.312	.475	5/16	50
10-24*	**503167**	.375	.767	3/8	50
10-32*†	**503168**	.377	.807	3/8	50
1/4-20	**503169**	.500	.630	1/2	50
1/4-20	**503170**	.500	1.051	1/2	50
5/16-18	**503171**	.620	.725	5/8	12
10-32*†	**503190**	.375	1.051	3/8	10
10-32*†	**503191**	.377	.665	3/8	10

*** 3/16" Diameter † Fine Thread**

VANDLGARD-NUTS®

Makes fasteners theft proof.

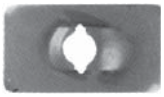
- Torque sensing, hex nut separates with proper clamp force.
- Remaining low profile, conical nut makes any bolt, cap screw or machine screw virtually tamper-proof.
- No special tools required. Removal instructions included.
- Vibration resistant, corrosion resistant anodized aluminum.
- USS (coarse) thread.



SIZE	PART NUMBER	QTY
10-24	**404125**	10
1/4-20	**404126**	10
5/16-18	**404127**	10
3/8-16	**404128**	10

NUTS

FLAT SPEED NUTS





- Carbon steel.
- Rust resistant.
- Reusable.
- Use with studs, sheet metal and machine screws.

Push-On for Studs

STUD SIZE	PART NUMBER	QTY
1/16	**51191**	100
3/32	**51192**	100
1/8	**51193**	100
5/32	**51194**	100

STUD SIZE	PART NUMBER	QTY
3/16	**51195**	100
7/32	**51196**	100
1/4	**51197**	100
--	**---**	-

for Sheet Metal Screws

SCREW SIZE	PART NUMBER	QTY
No. 4	**51199**	100
No. 6	**511100**	100
No. 8	**511101**	100

SCREW SIZE	PART NUMBER	QTY
No. 10	**511102**	100
No. 14	**511103**	100
--	**---**	-

for Machine Screws

SCREW SIZE	PART NUMBER	QTY
6-32	**511104**	100
8-32	**511105**	100

SCREW SIZE	PART NUMBER	QTY
3/16	**511106**	100
1/4-20	**511107**	100

"U" and "J" SPEED NUTS

- Heat treated spring steel.
- Rust resistant.
- Self-locking.
- Reusable.

"J" PART NUMBER	"D" PANEL RANGE	SCREW SIZE	"U" PART NUMBER	"D" PANEL RANGE	QTY
511112	9/32	No.6	**511117**	3/8	100
511113	5/16	No.8	**511118**	9/32	100
511114	9/32	No.10	**511119**	15/32	100
511115	1/2	No.14	**511120**	17/32	100
511116	15/32	No.14	**---**	--	100



"J" Type



"U" Type



Part No. 51102
154 pieces • 8 items • 12030 plastic tray

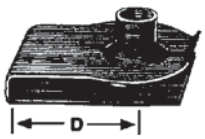
511112	**511114**	**511116**	**511119**
511113	**511115**	**511118**	**511120**

Numbers in assortment

EXTRUDED "U" NUTS

THREAD SIZE	PART NUMBER	"D" PANEL RANGE	QTY
10-24	**717104**	1/2	100
1/4-20	**717105**	1/2	25
1/4-20	**717106**	27/32	25
5/16-18	**717107**	5/8	50
5/16-18	**717108**	7/8	50
3/8-16	**717109**	3/4	10

- Clean, burr-free, rolled internal machine screw threads.
- Black finish resists rust.
- Universal applications.





Part No. 717001
43 pieces • 6 items
12028 plastic tray

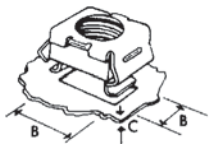
717104	**717106**	**717108**
717105	**717107**	**717109**

Numbers in assortment

SQUARE CAGE NUTS

THREAD SIZE	PART NUMBER	"B" HOLE SIZE	"C" PANEL RANGE	QTY
10-24	**516268**	1/4 x 3/8	.025-.063	24
10-32	**516260**	11/32 x 3/8	.025-.063	24
1/4-20	**516269**	11/32 x 5/16	.025-.063	24
5/16-18	**516270**	15/32 x 7/16	.028-.056	24
5/16-18	**516261**	15/32 x 33/64	.177-.197	24
3/8-16	**516271**	29/64 x 7/16	.028-.056	24
3/8-16	**516262**	15/32 x 33/64	.093-.126	24
3/8-24	**516263**	15/32 x 33/64	.057-.092	24

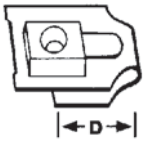
- Heat treated spring steel.
- Rust resistant.
- Self-locking.



"J" CAGE NUTS

THREAD SIZE	PART NUMBER	"D" PANEL RANGE	QTY
1/4-20	**717150**	1/2	25
5/16-18	**717151**	9/16	25
3/8-16	**717152**	19/32	25

- Heat treated spring steel.
- Rust resistant.
- Self-locking.



TUBULAR SPEED NUTS (Barrel Nuts)

STUD SIZE	PART NUMBER	HOLE SIZE	QTY
3/32	**516112**	7/64	100
1/8	**516114**	3/32	100
1/8	**516115**	3/16	100
3/16	**516116**	15/64	100

- Heat treated spring steel.
- Use for emblems, name plates, and much more.



NUTS

PAL and PUSH NUTS



Part No. 501030
715 pieces • 19 items • 12017 steel tray

PUSH NUTS	PAL LOCK NUTS	REGULAR PAL NUTS	THREAD CUTTING PAL NUTS
1/8 x 3/8	7/16	15/32 x 11/32	1/8 x 5/16
5/32 x 7/16	1/2	1/2 x 3/8	7/16 x 5/16
3/16 x 7/16		3/4 x 3/8	17/32 x 5/16
1/4 x 17/32		19/32 x 7/16	1/2 x 3/8
5/16 x 5/8			3/16 x 1/2
3/8 x 3/4			11/16 x 7/16
1/2 x 1			

Numbers in assortment

- Contains all styles of pal and push nuts.



PAL NUTS

- Vibration proof; reusable.
- Same wrench size as standard nuts.
- Regular style for threaded fasteners.
- Thread cutting style for studs.
- Formed washer face holds in place.



Part No. 51607
350 pieces • 10 items
12030 plastic tray

516281 516283 516285 516287 516289
516282 516284 516286 516288 516290

Numbers in assortment

Thread Cutting

STUD SIZE	PART NUMBER	WASHER O.D.	HEX O.D.	QTY
1/8	**516285**	--	5/16	100
1/8	**516286**	7/16	5/16	100
1/8	**516287**	17/32	5/16	100
3/16	**516288**	1/2	3/8	100
3/16	**516289**	--	1/2	100
1/4	**516290**	11/16	7/16	100
5/16	**720267**	3/4	--	50



Regular

THREAD SIZE	PART NUMBER	WASHER O.D.	HEX O.D.	QTY
8-32	**516281**	15/32	11/32	100
3/16	**516282**	1/2	3/8	100
3/16	**516283**	3/4	3/8	100
1/4-20	**516284**	19/32	7/16	100
5/16-18	**516291**	13/16	1/2	100

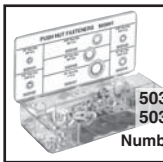
PAL LOCK NUTS

- Vibration proof.
- Used on top of standard nuts as a double lock.



THREAD SIZE	PART NUMBER	QTY
7/16	**503371**	50
1/2	**503372**	50

PUSH NUT RETAINERS



Part No. 503001
250 pieces • 7 items
12035 plastic tray

503101 503103 503105 503107
503102 503104 503106

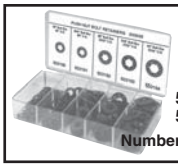
Numbers in assortment

- Spring steel - positive locking.
- Push over stud for fast and easy permanent installation.
- Will not back off.
- Not reusable.
- For non-threaded fasteners.



STUD SIZE	PART NUMBER	O.D.	QTY
1/8	**503101**	3/8	100
5/32	**503102**	7/16	100
3/16	**503103**	7/16	100
1/4	**503104**	17/32	100
5/16	**503105**	5/8	100
3/8	**503106**	3/4	100
1/2	**503107**	1	50

PUSH NUT BOLT RETAINERS



Part No. 503006
200 pieces • 5 items
12034 plastic tray

503160 503162 503164
503161 503163

Numbers in assortment

- Holds fasteners in place where hands can't reach.
- Insert cap screw through a panel, run bolt retainer onto threads. Cap screw, machine screw stays in place while hanging outside panel, starting nuts, etc.
- For threaded fasteners.



FITS THREAD SIZE	PART NUMBER	O.D.	QTY
No. 10	**720273**	7/16	100
1/4	**503160**	1/2	100
5/16	**503161**	5/8	100
3/8	**503162**	25/32	100
7/16	**503163**	27/32	100
1/2	**503164**	15/16	100

A SECTION FASTENERS & HARDWARE

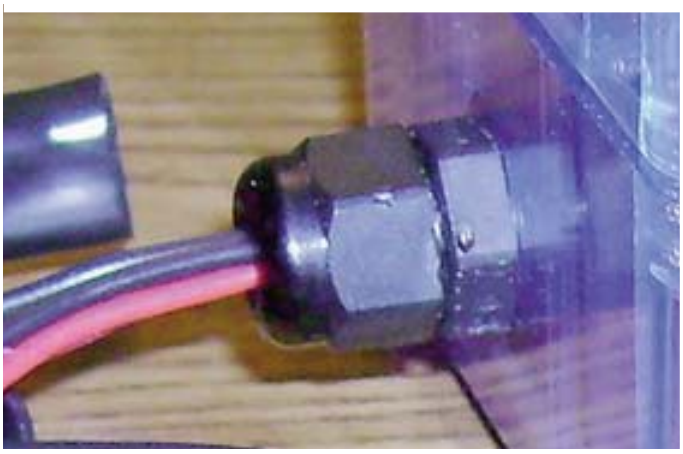












A11-11 PIX **PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.**

PLOW, ELEVATOR and STEP BOLTS

GRADE 5 CLIPPED HEAD

Protected by **LUSTERPLATE™** against rust & corrosion

- Heat-treated.
- 1038 high carbon steel.
- USS Coarse thread.

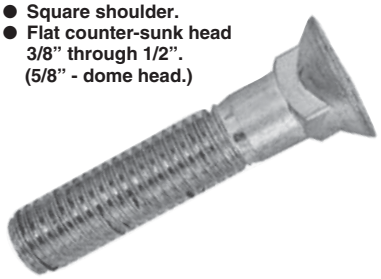


LENGTH	DIA. 3/8-16 PART NUMBER	QTY	DIA. 7/16-14 PART NUMBER	QTY	DIA. 1/2-13 PART NUMBER	QTY
1-1/4	503815	25	503817	25	503819	25
1-1/2	503816	25	503818	25	503820	25

GRADE 5 #3 HEAD STYLE

Protected by **BLACK OXIDE FINISH™** against rust & corrosion

- Heat-treated.
- 1038 high carbon steel.
- USS Coarse thread.
- Square shoulder.
- Flat counter-sunk head 3/8" through 1/2". (5/8" - dome head.)



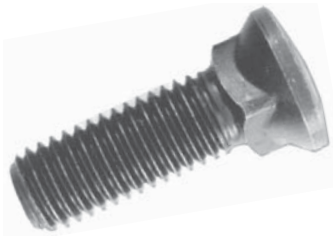
LENGTH	DIA. 3/8-16 PART NUMBER	QTY	DIA. 7/16-14 PART NUMBER	QTY	DIA. 1/2-13 PART NUMBER	QTY	DIA. 5/8-11 PART NUMBER	QTY
1	503801	25	---	-	---	-	---	-
1-1/4	503802	25	503861	25	503866	25	---	-
1-1/2	503803	25	503806	25	503810	25	---	-
1-3/4	503860	25	503862	25	503867	25	503872	10
2	503804	25	503807	25	503811	25	503873	10
2-1/4	---	-	503863	25	503868	25	503874	10
2-1/2	503805	25	503808	25	503812	25	503875	10
2-3/4	---	-	503864	25	503869	25	503876	10
3	---	-	503809	25	503870	25	503877	10
3-1/2	---	-	503865	25	503871	25	503878	10
4	---	-	---	-	---	-	503879	10

Available with Hex Nuts — Add "N" to end of stock number.

GRADE 8 #3 HEAD STYLE

Protected by **BLACK OXIDE FINISH™** against rust & corrosion

- Alloy steel.
- USS Coarse thread.
- Square shoulder.
- Dome counter-sunk head.

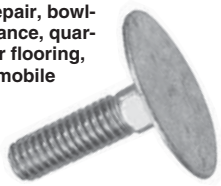


LENGTH	DIA. 5/8-11 PART NUMBER	QTY	DIA. 3/4-10 PART NUMBER	QTY	DIA. 7/8-9 PART NUMBER	QTY	DIA. 1-8 PART NUMBER	QTY
2	503825	6	503828	5	---	-	---	-
2-1/4	503836	6	503840	5	503846	5	---	-
2-1/2	503826	6	503829	5	503831	5	---	-
2-3/4	503837	6	503841	5	503847	5	---	-
3	503827	6	503830	5	503832	5	503833	5
3-1/2	503835	6	503842	5	503848	5	503852	5
4	503838	6	503843	5	503849	5	503834	5
4-1/2	503839	6	503844	5	503850	5	503853	5
5	---	-	503845	5	503851	5	503854	5
5-1/2	---	-	---	-	---	-	503855	5
6	---	-	---	-	---	-	503856	5
6-1/2	---	-	---	-	---	-	503857	5

ELEVATOR BOLTS

Protected by **LUSTERPLATE™** against rust & corrosion

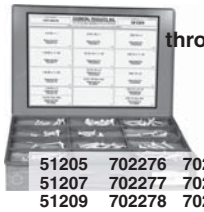
- USS Coarse thread.
- Flat counter-sunk head.
- Grade 2 low carbon steel.
- Conforms to ANSI B18.5.
- Used on conveyors, machine repair, bowling alley sweeps, farm maintenance, quarry and mining equipment, trailer flooring, pontoon boats, snow mobiles, mobile homes, skateboards, recreational vehicles, leveling legs. Holding concrete forms together.



LENGTH	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY	DIA. 3/8-16 PART NUMBER	QTY
3/4	702213	25	---	-	---	-
1	702201	25	702206	25	702219	25
1-1/4	702202	25	702207	25	702220	25
1-1/2	702203	25	702208	25	702210	25
1-3/4	702204	25	702216	25	702221	25
2	702205	25	702209	25	702211	25
2-1/2	702214	25	702217	25	702212	25
3	702215	25	702218	25	702222	25

STEP BOLTS

- USS Coarse thread.
- Square neck.
- Grade 2 low carbon steel.
- Conforms to ANSI B18.5.
- Large oval head.
- Used for steps, bleachers.



Sizes: 1/4-20 x 1" through 3/8-16 x 2-1/2"
Includes hex nuts
Part No. 501509
146 pieces • 14 items
12061 steel tray

51205	702276	702279	702284	702288
51207	702277	702281	702285	702289
51209	702278	702283	702287	

Numbers in assortment

Protected by **LUSTERPLATE™** against rust & corrosion



LENGTH	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY	DIA. 3/8-16 PART NUMBER	QTY
3/4	702275	25	702280	25	---	-
1	702276	25	702281	25	702285	10
1-1/4	702277	25	702282	25	702286	10
1-1/2	702278	25	702283	25	702287	10
1-3/4	702273	25	---	-	---	-
2	702279	25	702284	25	702288	10
2-1/2	702274	25	---	-	702289	10
3	702272	25	---	-	702290	10

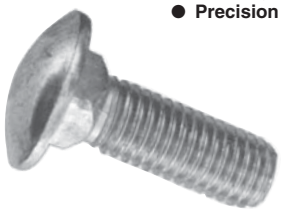
SHAKER BOLTS

GRADE 5 SHAKER SCREEN BOLTS

LENGTH	DIA. 1/2-13 PART NUMBER	QTY	DIA. 5/8-11 PART NUMBER	QTY	DIA. 3/4-10 PART NUMBER	QTY
1-1/2	**702775**	10	---	-	---	-
2	**702776**	10	**702783**	5	---	-
2-1/2	**702777**	10	**702784**	5	---	-
2-3/4	---	-	---	-	**702791**	5
3	**702778**	10	**702785**	5	**702792**	5
3-1/2	**702779**	10	**702786**	5	**702793**	5
4	**702780**	10	**702787**	5	**702794**	5
4-1/2	**702781**	10	**702788**	5	**702795**	5
5	**702782**	10	**702789**	5	**702796**	5
6	---	-	**702790**	5	**702797**	5
9	---	-	---	-	**702799**	5

- **USS Coarse thread.**
- **Fully threaded to square.**
- **120,000 psi minimum tensile length.**
- **Precision rolled threads.**

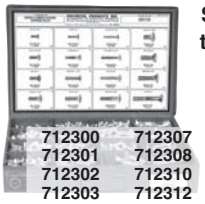
Protected by **BLACK OXIDE FINISH™** against rust & corrosion



GRADE 8 SHAKER SCREEN BOLTS (CARRIAGE BOLTS)

LENGTH	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY	DIA. 3/8-16 PART NUMBER	QTY	DIA. 1/2-13 PART NUMBER	QTY	DIA. 5/8-11 PART NUMBER	QTY	DIA. 3/4-10 PART NUMBER	QTY
3/4	**712300**	50	**712307**	50	**712314**	25	---	-	---	-	---	-
1	**712301**	50	**712308**	50	**712315**	25	---	-	---	-	---	-
1-1/4	**712302**	50	**712309**	50	---	-	---	-	---	-	---	-
1-1/2	**712303**	50	**712310**	25	**712316**	25	**712323**	10	---	-	---	-
1-3/4	**712304**	50	**712311**	25	**712317**	25	**712324**	10	---	-	---	-
2	**712305**	25	**712312**	25	**712318**	25	**712325**	10	**712335**	5	**712347**	5
2-1/2	**712306**	25	**712313**	25	**712319**	25	**712326**	10	**712336**	5	**712348**	5
2-3/4	---	-	---	-	---	-	---	-	**712337**	5	**712349**	5
3	---	-	---	-	**712320**	10	**712327**	10	**712338**	5	**712350**	5
3-1/2	---	-	---	-	---	-	**712328**	10	**712339**	5	**712351**	5
4	---	-	---	-	**712321**	10	**712329**	10	**712340**	5	**712352**	5
4-1/2	---	-	---	-	---	-	**712330**	10	**712341**	5	**712353**	5
5	---	-	---	-	**712322**	10	**712331**	10	**712342**	5	**712354**	5
5-1/2	---	-	---	-	---	-	**712332**	5	---	-	**712355**	5
6	---	-	---	-	---	-	**712333**	5	**712343**	5	**712356**	5
7	---	-	---	-	---	-	---	-	---	-	**712357**	5
8	---	-	---	-	---	-	**712334**	5	**712344**	5	**712358**	5
9	---	-	---	-	---	-	---	-	**712345**	5	**712359**	5
10	---	-	---	-	---	-	---	-	**712346**	5	**712360**	5

- **USS Coarse threads.**
- **Full thread.**
- **150,000 PSI.**
- **High stress applications including:**
  - **Pole line construction.**
  - **Billboards and signs.**
  - **Shelving & bracing.**
  - **Wooden furniture.**
  - **Trailer decking.**
- **Hex nuts not included.**



Sizes: 1/4-20 x 3/4" through 1/2-13 x 3"
Part No. 501733
177 pieces • 16 items
12050 steel tray

712300	712307	712315	712323
712301	712308	712316	712325
712302	712310	712318	712326
712303	712312	712319	712327

Numbers in assortment





CARRIAGE BOLTS

GRADE 5 CARRIAGE BOLTS

Protected by **LUSTERPLATE™** against rust & corrosion

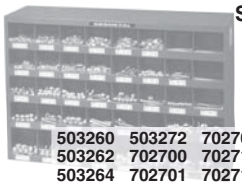
- **120,000 PSI minimum tensile strength.**
- **USS Coarse threads.**
- **Designed for high stress applications.**







LENGTH	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY	DIA. 3/8-16 PART NUMBER	QTY	DIA. 7/16-14 PART NUMBER	QTY	DIA. 1/2-13 PART NUMBER	QTY	DIA. 5/8-11 PART NUMBER	QTY	DIA. 3/4-10 PART NUMBER	QTY
3/4	702700	50	702706	50	---	-	---	-	---	-	---	-	---	-
1	702701	50	702707	50	702712	25	---	-	702730	25	---	-	---	-
1-1/4	702702	50	702708	50	702713	25	702722	25	---	-	---	-	---	-
1-1/2	702703	50	702709	25	702714	25	702723	25	702731	25	---	-	---	-
1-3/4	---	-	---	-	702715	25	702724	25	---	-	---	-	---	-
2	702704	25	702710	25	702716	25	702725	25	702732	10	702738	10	---	-
2-1/4	---	-	---	-	702717	25	---	-	---	-	---	-	---	-
2-1/2	702705	25	702711	25	702718	25	702726	10	702733	10	702739	10	---	-
3	---	-	---	-	702719	25	702727	10	702734	10	702740	10	702745	10
3-1/2	---	-	---	-	702720	10	702728	10	---	-	702741	5	702746	5
4	---	-	---	-	702721	10	702729	10	702735	10	702742	5	702747	5
4-1/2	---	-	---	-	---	-	---	-	702736	10	---	-	702748	5
5	---	-	---	-	---	-	---	-	702737	10	702743	5	702749	5
6	---	-	---	-	---	-	---	-	---	-	702744	5	702750	5



Sizes: 1/4-20 x 3/4" through 5/8-11 x 4"
USS (COARSE) Includes hex nuts
Part No. 501552
560 pieces • 37 items
12021 steel bin cabinet

503260	503272	702709	702714	702721	702728	702734	702741
503262	702700	702710	702716	702723	702729	702735	702742
503264	702701	702711	702718	702725	702731	702738	
503266	702703	702712	702719	702726	702732	702739	
503268	702707	702713	702720	702727	702733	702740	

Numbers in assortment



Sizes: 1/4-20 x 3/4" through 1/2-13 x 3"
Part No. 501347
213 pieces • 16 items
12050 steel tray

702700	702709	702716	702730
702701	702710	702722	702731
702703	702712	702723	702732
702707	702714	702725	702734

Numbers in assortment

GRADE 2 CARRIAGE BOLTS

Protected by **LUSTERPLATE™** against rust & corrosion

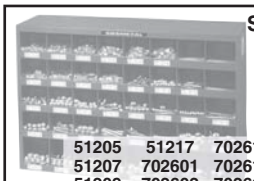
- **Pole line construction.**
- **Billboards and signs.**
- **USS Coarse threads.**
- **Shelving and bracing.**
- **Wooden furniture.**
- **Hex nuts not included.**
- **Trailer decking.**
- **Much more.**







LENGTH	DIA. 3/16-24 (#10) PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY	DIA. 3/8-16 PART NUMBER	QTY	DIA. 7/16-14 PART NUMBER	QTY	DIA. 1/2-13 PART NUMBER	QTY	DIA. 5/8-11 PART NUMBER	QTY
1/2	702681	50	---	-	---	-	---	-	---	-	---	-	---	-
5/8	702682	50	---	-	---	-	---	-	---	-	---	-	---	-
3/4	702683	50	702601	50	702609	50	702659	10	---	-	---	-	---	-
1	702684	50	702602	50	702610	50	702658	10	---	-	---	-	---	-
1-1/4	702685	50	---	-	---	-	---	-	---	-	---	-	---	-
1-1/2	702686	50	702603	50	702611	50	702619	10	702629	10	702639	10	---	-
1-3/4	702687	50	---	-	---	-	---	-	---	-	---	-	---	-
2	702688	50	702604	50	702612	50	702620	10	702630	10	702640	10	702649	10
2-1/4	702689	50	---	-	---	-	---	-	---	-	---	-	---	-
2-1/2	702690	50	702605	50	702613	50	702621	10	702631	10	702641	10	702650	10
3	702691	50	702606	25	702614	25	702622	10	702632	10	702642	10	702651	10
3-1/2	---	-	702607	25	702615	25	702623	10	702633	10	702643	10	---	-
4	---	-	702608	25	702616	25	702624	10	702634	10	702644	10	702653	10
4-1/2	---	-	702660	25	702617	25	702625	10	702635	10	702645	10	---	-
5	---	-	702661	25	702618	25	702626	10	702636	10	702646	10	702655	10
5-1/2	---	-	702662	25	702667	25	702627	10	702637	10	702647	10	---	-
6	---	-	702663	25	702668	25	702628	10	702638	10	702648	10	702657	10
6-1/2	---	-	702664	25	702669	10	702672	10	---	-	702675	10	702678	5
7	---	-	702665	25	702670	10	702673	10	---	-	702676	10	702679	5
8	---	-	702666	25	702671	10	702674	10	---	-	702677	10	702680	5



Sizes: 1/4-20 x 3/4" through 5/8-11 x 4"
Includes hex nuts
Part No. 501553
530 pieces • 36 items
12021 steel bin cabinet

51205	51217	702611	702621	702630	702639	702644	702658
51207	702601	702612	702622	702631	702640	702649	
51209	702602	702613	702623	702632	702641	702650	
51211	702603	702619	702624	702633	702642	702651	
51213	702610	702620	702629	702634	702643	702653	

Numbers in assortment



Sizes: 1/4-20 x 1" through 3/8-16 x 3-1/2"
Includes hex nuts
Part No. 501328
115 pieces • 10 items
12061 steel tray

702602	702612	702620	702658
702604	702614	702622	
702610	702615	702623	

Numbers in assortment

CARRIAGE and TAP BOLTS

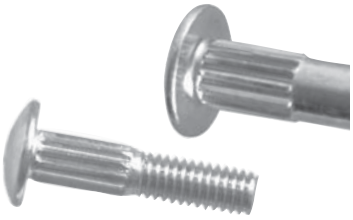
GRADE 5 RIBBED NECK CARRIAGE BOLTS

Used in trailer repair, construction, mining, agriculture and industrial maintenance.

Protected by **LUSTERPLATE™** against rust & corrosion

- Ribs resist spinning of bolt.
- Circular head provides a smooth finished appearance.
- USS coarse threads.
- 120,000 PSI minimum tensile strength.
- Hex nuts not included.

	DIA. 1/4-20		DIA. 5/16-18		DIA. 3/8-16	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1	702755	25	702759	25	702764	25
1-1/4	702756	25	702760	25	702765	25
1-1/2	702757	25	702761	25	702766	25
2	702758	25	702762	25	702767	25
2-1/2	---	-	702763	25	702768	25





Part No. 501689
215 pieces • 14 items
12050 steel tray

702755 702758 702761 702764 702767
702756 702759 702762 702765 702768
702757 702760 702763 702766

Numbers in assortment

GALVANIZED GRADE 2 CARRIAGE BOLTS

- Hot dipped galvanized for superior resistance to corrosion.
- Highly recommended for exterior use.
- USS Coarse threads.
- Used by marinas, construction companies, highway departments, recreation departments and parks.



	DIA. 1/4-20		DIA. 5/16-18		DIA. 3/8-16		DIA. 1/2-13		DIA. 5/8-11	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1	706500	50	706510	50	706520	50	---	-	---	-
1-1/2	706501	50	706511	50	706521	50	706534	25	---	-
2	706502	50	706512	50	706522	50	706535	25	706547	10
2-1/2	706503	50	706513	50	706523	25	706536	25	706548	10
3	706504	50	706514	50	706524	25	706537	10	706549	10
3-1/2	706505	25	706515	25	706525	25	706538	10	706550	5
4	706506	25	706516	25	706526	25	706539	10	706551	5
4-1/2	706507	25	706517	25	706527	25	706540	10	---	-
5	706508	25	706518	25	706528	10	706541	10	706552	5
6	706509	25	706519	25	706529	10	706542	10	706553	5
7	---	-	---	-	706530	10	706543	5	---	-
8	---	-	---	-	706531	10	706544	5	---	-
10	---	-	---	-	706532	10	706545	5	---	-
12	---	-	---	-	706533	10	706546	5	---	-

USE ONLY GALVANIZED NUTS - SEE PAGE A11-6.



Sizes: 1/4" x 1" through 1/2" x 3"
Includes bolts, nuts, flat & lock washers.
Part No. 501484
615 pieces • 24 items
12017 steel tray

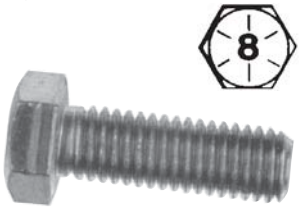
603130 603136 603142 706500 706511 706523
603131 603137 603143 706501 706512 706535
603132 603138 603144 706502 706521 706536
603133 603139 603145 706510 706522 706537

Numbers in assortment

GRADE 8 HEX HEAD TAP BOLTS

	DIA. 1/4-20		DIA. 5/16-18		DIA. 3/8-16		DIA. 1/2-13		DIA. 5/8-11		DIA. 3/4-10	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1	507601	25	507612	25	---	-	---	-	---	-	---	-
1-1/4	507602	25	507613	25	507623	10	---	-	---	-	---	-
1-1/2	507603	25	507614	25	507624	10	507633	10	---	-	---	-
1-3/4	507604	25	507615	25	507625	10	507634	10	507642	5	---	-
2	507605	25	507616	10	507626	10	507635	10	507643	5	507650	5
2-1/4	507606	25	507617	10	507627	10	507636	10	507644	5	507651	5
2-1/2	507607	10	507618	10	507628	10	507637	10	507645	5	507652	5
2-3/4	507608	10	507619	10	507629	10	507638	5	507646	5	507653	5
3	507609	10	507620	10	507630	10	507639	5	507647	5	507654	5
3-1/2	507610	10	507621	10	507631	5	507640	5	507648	5	507655	5
4	507611	10	507622	10	507632	5	507641	5	507649	5	507656	5

- USS Coarse threads.
- Fully threaded.
- Finish is yellow zinc or black.
- Medium carbon alloy steel.
- 150,000 PSI.

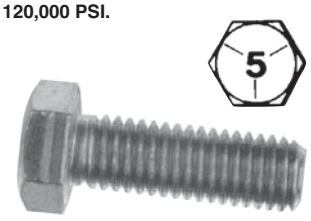


GRADE 5 HEX HEAD TAP BOLTS

	DIA. 1/4-20		DIA. 5/16-18		DIA. 3/8-16		DIA. 1/2-13		DIA. 5/8-11		DIA. 3/4-10	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
7/8	504650	25	---	-	---	-	---	-	---	-	---	-
1	504651	25	504657	25	---	-	---	-	---	-	---	-
1-1/4	504652	25	504658	25	504666	10	---	-	---	-	---	-
1-1/2	504653	25	504659	25	504667	10	504674	10	---	-	---	-
1-3/4	504654	25	504660	25	504668	10	504675	10	504682	5	---	-
2	504655	25	504661	25	504669	10	504676	10	504683	5	504689	5
2-1/4	504656	25	504662	25	504670	10	504677	10	504684	5	504690	5
2-1/2	---	-	504663	25	504671	10	504678	10	504685	5	504691	5
2-3/4	---	-	504664	10	---	-	---	-	---	-	---	-
3	---	-	504665	10	504672	10	504679	5	504686	5	504692	5
3-1/2	---	-	---	-	504673	10	504680	5	504687	5	504693	5
4	---	-	---	-	---	-	504681	5	504688	5	504694	5

Protected by **LUSTERPLATE™** against rust & corrosion

- USS Coarse threads.
- Fully threaded.
- Medium carbon steel.
- 120,000 PSI.



TAP and FLANGE BOLTS

GRADE 2 HEX HEAD TAP BOLTS

Protected by **LUSTERPLATE™** against rust & corrosion

- **USS Coarse threads.**
- **Fully threaded.**
- **Medium carbon steel.**

LENGTH	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY	DIA. 3/8-16 PART NUMBER	QTY	DIA. 1/2-13 PART NUMBER	QTY	DIA. 5/8-11 PART NUMBER	QTY	DIA. 3/4-10 PART NUMBER	QTY
1	504401	25	504412	25	504423	25	---	-	---	-	---	-
1-1/4	504402	25	504413	25	504424	25	---	-	---	-	---	-
1-1/2	504403	25	504414	25	504425	25	504434	25	---	-	---	-
1-3/4	504404	25	504415	25	504426	25	504435	25	504443	10	---	-
2	504405	25	504416	25	504427	25	504436	25	504444	10	504451	10
2-1/4	504406	25	504417	25	504428	25	504437	25	504445	10	504452	10
2-1/2	504407	25	504418	25	504429	25	504438	25	504446	10	504453	10
2-3/4	504408	25	504419	25	504430	25	504439	25	504447	10	504454	10
3	504409	25	504420	25	504431	25	504440	10	504448	10	504455	10
3-1/2	504410	25	504421	25	504432	25	504441	10	504449	10	504456	10
4	504411	25	504422	25	504433	25	504442	10	504450	10	504457	10







Sizes: 1/4-20 x 1" through 5/8-11 x 3"
Part No. 501504
175 pieces • 15 items
12050 steel tray

504651	504659	504671	504685
504653	504661	504674	504686
504655	504667	504676	
504657	504669	504679	

Numbers in assortment

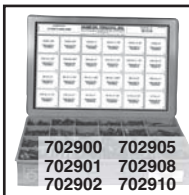
12 POINT FLANGE BOLTS (COUNTR-BOR SCREWS)

Protected by **BLACK OXIDE FINISH™** against rust & corrosion

- **USS Coarse threads.**
- **Heat treated alloy steel. 170,000 PSI minimum tensile strength.**
- **3 times the head surface area for faster, tighter wrenching.**
- **Interchangeable with socket head cap screws. Uses standard thin-wall wrench.**

LENGTH	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY	DIA. 3/8-16 PART NUMBER	QTY	DIA. 7/16-14 PART NUMBER	QTY	DIA. 1/2-13 PART NUMBER	QTY	DIA. 5/8-11 PART NUMBER	QTY	DIA. 3/4-10 PART NUMBER	QTY
1/2	702900	25	702908	25	---	-	---	-	---	-	---	-	---	-
5/8	---	-	702909	25	---	-	---	-	---	-	---	-	---	-
3/4	702901	25	702910	25	702918	25	---	-	---	-	---	-	---	-
7/8	---	-	702911	25	---	-	---	-	---	-	---	-	---	-
1	702902	25	702912	25	702919	25	702930	10	702938	10	702950	5	---	-
1-1/4	702903	25	702913	25	702920	25	---	-	702939	10	---	-	---	-
1-1/2	702904	25	702914	25	702921	10	702931	10	702940	10	702951	5	702961	5
1-3/4	---	-	---	-	702922	10	702932	10	702941	10	702952	5	---	-
2	702905	25	702915	10	702923	10	702933	10	702942	5	702953	5	702962	5
2-1/4	702906	25	702916	10	---	-	---	-	---	-	---	-	---	-
2-1/2	702907	25	702917	10	702924	10	702934	10	702943	5	702954	5	702963	5
3	---	-	---	-	702925	10	702935	5	702944	5	702955	5	702964	5
3-1/2	---	-	---	-	702926	10	702936	5	702945	5	702956	5	702965	5
4	---	-	---	-	702927	5	702937	5	702946	5	702957	5	702966	5
4-1/2	---	-	---	-	702928	5	---	-	702947	5	702958	5	702967	5
5	---	-	---	-	702929	5	---	-	702948	5	702959	5	702968	5
6	---	-	---	-	---	-	---	-	702949	5	702960	5	702969	5





Sizes: 1/4-20 x 1/2" through 1/2-13 x 2"
Part No. 501514
247 pieces • 24 items
12017 steel tray

702900	702905	702914	702922	702938
702901	702908	702915	702923	702939
702902	702910	702919	702930	702940
702903	702912	702920	702931	702942
702904	702913	702921	702933	

Numbers in assortment

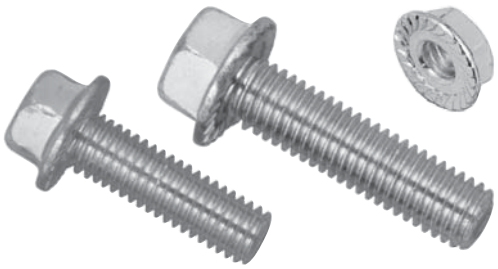
FLANGE BOLTS

HEX SERRATED FLANGE LOCKING BOLT

- 120,000 PSI tensile strength.
- Serrations under the head grip on the bearing surface when tightened.
- Heat treated.
- USS Coarse threads.
- Case hardened to: surface: R15N-76/86 core: RC25/34.
- Exceeds Grade 5 specifications.

Protected by **LUSTERPLATE™** against rust & corrosion

	DIA. 1/4-20		DIA. 5/16-18		DIA. 3/8-16		DIA. 7/16-14		DIA. 1/2-13	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
3/8	**712201**	100	**---**	-	**---**	-	**---**	-	**---**	-
1/2	**712202**	100	**712215**	50	**712228**	25	**---**	-	**---**	-
5/8	**712203**	100	**712216**	50	**712229**	25	**---**	-	**---**	-
3/4	**712204**	100	**712217**	50	**712230**	25	**712241**	25	**712250**	10
7/8	**712205**	100	**712218**	50	**712231**	25	**712242**	25	**712251**	10
1	**712206**	100	**712219**	50	**712232**	25	**712243**	25	**712252**	10
1-1/4	**712207**	50	**712220**	50	**712233**	25	**712244**	25	**712253**	10
1-1/2	**712208**	50	**712221**	50	**712234**	25	**712245**	25	**712254**	10
1-3/4	**712209**	50	**712222**	50	**712235**	25	**712246**	25	**712255**	10
2	**712210**	50	**712223**	25	**712236**	25	**712247**	25	**712256**	10
2-1/4	**712211**	25	**712224**	25	**712237**	25	**712248**	25	**712257**	10
2-1/2	**712212**	25	**712225**	25	**712238**	25	**712249**	25	**712258**	10
2-3/4	**712213**	25	**712226**	25	**712239**	25	**---**	-	**712259**	10
3	**712214**	25	**712227**	25	**712240**	25	**---**	-	**712260**	10



SERRATED FLANGE NUTS

PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
50620	50	**50621**	50	**50622**	50	**50616**	25	**50617**	25

GRADE 8 HEX FLANGE FASTENING SYSTEM

- A high strength locking system designed to prevent failure due to vibration.
- Used in trucks, as well as industrial equipment, wherever excessive vibration is a problem.
- USS Coarse and SAE Fine thread.
- Phosphate & Oil finish.

Protected by **BLACK OXIDE FINISH™** against rust & corrosion

	DIA. 3/8-16 USS		DIA. 1/2-13 USS		DIA. 1/2-20 SAE		DIA. 5/8-11 USS		DIA. 5/18-18 SAE		DIA. 3/4-10 USS		DIA. 3/4-16 SAE	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1	**702240**	25	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
1-1/4	**702239**	25	**702231**	25	**712101**	25	**---**	-	**---**	-	**---**	-	**---**	-
1-1/2	**702241**	25	**702250**	25	**712102**	25	**702254**	25	**712111**	25	**---**	-	**---**	-
1-3/4	**702242**	25	**702251**	25	**712103**	25	**702255**	25	**712112**	25	**702232**	10	**712121**	10
2	**702243**	25	**702252**	25	**712104**	25	**702256**	25	**712113**	25	**702233**	10	**712122**	10
2-1/4	**---**	-	**---**	-	**---**	-	**702264**	25	**712114**	25	**702234**	10	**712123**	10
2-1/2	**702244**	25	**702253**	25	**712105**	25	**702257**	25	**712115**	25	**702235**	10	**712124**	10
2-3/4	**---**	-	**---**	-	**---**	-	**702265**	25	**---**	-	**---**	-	**---**	-
3	**702245**	25	**702259**	25	**712106**	25	**702258**	25	**712116**	25	**702236**	10	**712125**	10
3-1/2	**702246**	25	**702260**	25	**712107**	25	**702266**	10	**712117**	10	**702237**	10	**712126**	10
4	**702247**	10	**702261**	10	**712108**	10	**702267**	10	**712118**	10	**702238**	10	**712127**	10
4-1/2	**702248**	10	**702262**	10	**712109**	10	**702268**	10	**712119**	10	**---**	-	**---**	-
5	**702249**	10	**702263**	10	**712110**	10	**702269**	10	**712120**	10	**---**	-	**---**	-

GRADE "G" FLANGE LOCK NUTS

	DIA. 3/8-16 USS		DIA. 1/2-13 USS		DIA. 1/2-20 SAE		DIA. 5/8-11 USS		DIA. 5/18-18 SAE		DIA. 3/4-10 USS		DIA. 3/4-16 SAE	
	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
	703174	50	**703175**	50	**703171**	50	**703176**	50	**703172**	50	**703177**	10	**703173**	10

Designed specifically for use with Hex Flange Nuts.



Sizes: 1/2" x 1-1/2" through 5/8" x 3"
SAE (FINE)
Part No. 501660
80 pieces • 10 items
12061 steel tray

703171	**712102**	**712106**	**712111**	**712115**
703172	**712104**	**712107**	**712113**	**712116**

Numbers in assortment



SPRING CENTER and STOVE BOLTS

SPRING CENTER BOLTS & NUTS

Protected by
BLACK OXIDE FINISH™
against rust & corrosion

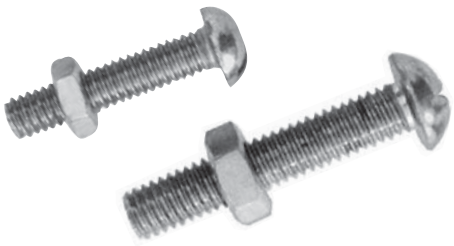


- **Slotted Fillister head.**
- **SAE Fine threads.**
- **Grade 2 low carbon steel.**

LENGTH	DIA. 5/16-24 PART NUMBER	QTY	DIA. 3/8-24 PART NUMBER	QTY	DIA. 7/16-20 PART NUMBER	QTY	DIA. 1/2-20 PART NUMBER	QTY	DIA. 5/8-18 PART NUMBER	QTY
3-1/2	**702521**	10	**702525**	10	**---**	-	**---**	-	**---**	-
5	**702522**	10	**702526**	10	**---**	-	**---**	-	**---**	-
6	**702523**	10	**702527**	10	**---**	-	**---**	-	**---**	-
10	**---**	-	**---**	-	**702529**	5	**702531**	5	**---**	-
12	**702524**	10	**702528**	10	**702530**	5	**702532**	5	**702533**	2

ROUND HEAD STOVE BOLTS WITH HEX NUTS

Protected by
LUSTERPLATE™
against rust & corrosion



- **Deep slotted head.**
- **Conforms to ANSI B18.6.3.**
- **Precision rolled Class 2A threads.**
- **USS Coarse threads.**

LENGTH	DIA. 5/32-32 PART NUMBER	QTY	DIA. 3/16-24 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY	DIA. 3/8-16 PART NUMBER	QTY
1/2	**702401**	200	**702408**	200	**702417**	200	**702579**	100	**---**	-
3/4	**702402**	200	**702409**	200	**702418**	200	**702580**	100	**---**	-
1	**702403**	200	**702410**	200	**702419**	200	**702428**	200	**702439**	200
1-1/4	**702404**	100	**702411**	100	**702420**	100	**702581**	50	**---**	-
1-1/2	**702405**	100	**702412**	100	**702421**	100	**702429**	100	**702440**	100
1-3/4	**702406**	100	**702413**	100	**702422**	100	**---**	-	**---**	-
2	**702407**	100	**702414**	100	**702423**	100	**702430**	100	**702441**	100
2-1/4	**---**	-	**702575**	50	**702578**	50	**---**	-	**---**	-
2-1/2	**---**	-	**702415**	100	**702424**	100	**702431**	100	**702442**	100
3	**---**	-	**702416**	100	**702425**	100	**702432**	100	**702443**	50
3-1/2	**---**	-	**702576**	50	**702426**	50	**702433**	50	**702444**	50
4	**---**	-	**702577**	50	**702427**	50	**702434**	50	**702445**	50
4-1/2	**---**	-	**---**	-	**---**	-	**702435**	50	**702446**	50
5	**---**	-	**---**	-	**---**	-	**702436**	50	**702447**	50
5-1/2	**---**	-	**---**	-	**---**	-	**702437**	50	**702448**	50
6	**---**	-	**---**	-	**---**	-	**702438**	50	**702449**	50



Sizes: 5/32" x 1/2" through 1/4" x 2"
Part No. 702002
140 pieces • 10 items
12027 plastic tray

702401	**702409**	**702412**	**702419**	**702421**
702408	**702410**	**702418**	**702420**	**702423**

Numbers in assortment



Sizes: 3/16" x 1/2" through 3/8" x 4"
Part No. 501512
167 pieces • 20 items
12071 steel tray

702408	**702416**	**702425**	**702430**	**702440**
702410	**702418**	**702427**	**702432**	**702441**
702412	**702421**	**702428**	**702434**	**702443**
702414	**702423**	**702429**	**702439**	**702445**

Numbers in assortment

FLAT HEAD STOVE BOLTS WITH HEX NUTS

Protected by
LUSTERPLATE™
against rust & corrosion

- **Deep slotted head.**
- **Conforms to ANSI B18.6.3.**
- **Precision rolled Class 2A threads.**
- **Countersunk head for flush mount applications.**
- **USS Coarse threads.**



LENGTH	DIA. 3/16-24 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY	DIA. 3/8-16 PART NUMBER	QTY
1/2	**702450**	200	**702461**	100	**702476**	50	**---**	-
3/4	**702451**	200	**702462**	100	**702477**	50	**---**	-
1	**702452**	200	**702463**	100	**702478**	50	**702583**	25
1-1/4	**702453**	100	**702464**	100	**702582**	25	**---**	-
1-1/2	**702454**	100	**702465**	100	**702479**	50	**702584**	25
1-3/4	**702455**	100	**702466**	100	**---**	-	**---**	-
2	**702456**	100	**702467**	100	**702480**	50	**702585**	25
2-1/2	**702457**	100	**702468**	100	**702481**	25	**702586**	25
3	**702458**	100	**702469**	50	**702482**	30	**702587**	10
3-1/2	**702459**	100	**702470**	50	**702483**	30	**702588**	10
4	**702460**	100	**702471**	50	**702484**	30	**702589**	10
4-1/2	**---**	-	**702472**	50	**---**	-	**---**	-
5	**---**	-	**702473**	50	**---**	-	**---**	-
5-1/2	**---**	-	**702474**	50	**---**	-	**---**	-
6	**---**	-	**702475**	50	**---**	-	**---**	-



Sizes: 3/16" x 1/2" through 3/8" x 4"
Part No. 501513
167 pieces • 20 items
12071 steel tray

702450	**702458**	**702469**	**702480**	**702584**
702451	**702462**	**702471**	**702482**	**702585**
702454	**702465**	**702478**	**702484**	**702587**
702456	**702467**	**702479**	**702583**	**702589**

Numbers in assortment

STOVE BOLTS and EYE BOLTS

TRUSS HEAD STOVE BOLTS WITH HEX NUTS

- Extra large head provides more bearing surface, stronger assemblies.
- Precision rolled Class 2A threads.
- Deep slotted head.
- Conforms to ANSI B18.63.
- USS Coarse threads.

Protected by **LUSTERPLATE™** against rust & corrosion

LENGTH	DIA. 3/16-24 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY
1/2	**702485**	200	**702491**	100	**---**	-
3/4	**702486**	200	**702492**	100	**702590**	25
1	**702487**	100	**702493**	100	**702591**	25
1-1/4	**702488**	100	**702494**	100	**---**	-
1-1/2	**702489**	100	**702495**	100	**702592**	25
2	**702490**	100	**702496**	100	**702593**	25
2-1/2	**---**	-	**702497**	100	**---**	-



Sizes: 3/16" x 1/2" through 5/16" x 1"
Part No. 702006
137 pieces • 10 items • 12027 plastic tray

702485	702487	702492	702494	702496
702486	702489	702493	702495	702591

Numbers in assortment

Sizes: 3/16" x 1/2" through 5/16" x 2"
Part No. 501515
168 pieces • 17 items • 12071 steel tray

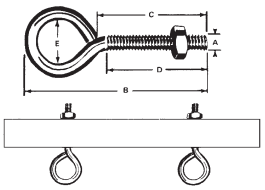
702485	702488	702491	702494	702497	702592
702486	702489	702492	702495	702590	702593
702487	702490	702493	702496	702591	

Numbers in assortment

BENT EYE BOLTS WITH HEX NUTS

SIZE DIA. (A) X LENGTH (B)	PART NUMBER	WIRE GAUGE	SHANK LENGTH (C)	THREAD LENGTH (D)	INSIDE EYE DIA. (E)	THREAD SIZE	QTY
1/4 x 2	**507120**	.212	1	7/8	9/16	1/4-20	25
1/4 x 2-1/2	**507121**	.212	1-1/2	1-3/8	9/16	1/4-20	25
1/4 x 3	**507122**	.212	2	1-3/4	9/16	1/4-20	25
1/4 x 4	**507123**	.212	3	2-3/4	9/16	1/4-20	25
5/16 x 3-1/4	**507124**	.270	2	1-3/4	3/4	5/16-18	25
5/16 x 4	**507125**	.270	2-1/2	2-1/4	3/4	5/16-18	25
5/16 x 5	**507128**	.270	4	2-1/2	3/4	5/16-18	25
3/8 x 4	**507126**	.328	2-1/4	2	1	3/8-16	25
3/8 x 6	**507127**	.328	4-1/4	3	1	3/8-16	25





- Low carbon steel.
- USS Coarse threads.

Protected by **LUSTERPLATE™** against rust & corrosion



Sizes: 1/4" x 2" through 3/8" x 6"
Part No. 507005
27 pieces • 6 items
12047 plastic tray

507120	507123	507125
507122	507124	507126

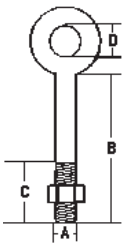
Numbers in assortment

FORGED EYE BOLTS

SIZE DIA. (A) x LENGTH (B)	PART NUMBER	THREAD LENGTH (C)	INSIDE EYE DIA. (D)	WORKING LOAD LIMIT	QTY
1/4-20 x 2	**706615**	1-1/2	1/2	550 lbs.	2
1/4-20 x 4	**706616**	2-1/2	1/2	550 lbs.	2
5/16-18 x 2-1/4	**706617**	1-1/2	5/8	850 lbs.	2
5/16-18 x 4-1/4	**706618**	2-1/2	5/8	850 lbs.	2
3/8-16 x 2-1/2	**706619**	1-1/2	3/4	1250 lbs.	2
3/8-16 x 4-1/2	**706620**	2-1/2	3/4	1250 lbs.	2
3/8-16 x 6	**706621**	3	3/4	1250 lbs.	2
1/2-13 x 3-1/4	**706622**	1-1/2	1	2250 lbs.	2
1/2-13 x 6	**706623**	3	1	2250 lbs.	1
5/8-11 x 4	**706624**	2	1-1/4	3600 lbs.	1
5/8-11 x 6	**706625**	3	1-1/4	3600 lbs.	1
3/4-10 x 4-1/2	**706626**	2	1-1/2	5200 lbs.	1
3/4-10 x 6	**706627**	3	1-1/2	5200 lbs.	1

- Drop forged carbon steel.
- Galvanized for superior corrosion protection.
- USS Coarse Threads.





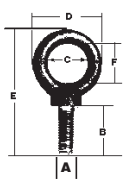
LIFTING EYE BOLTS

- 65,000 PSI minimum tensile strength.
- USS Coarse threads.
- Meets ASTM A489 specs and ANSI B18.15.
- Heat treated C-1030 steel.
- Designed for overhead lifting.

Protected by **BLACK OXIDE FINISH™** against rust & corrosion

SIZE DIA. (A) x LENGTH (B)	PART NUMBER	INSIDE EYE DIA. (C)	OUTSIDE EYE DIA. (D)	OVERALL LENGTH (E)	CENTER EYE TO SHOULDER (F)	RATED CAPACITY	QTY
1/4 x 1	**706638**	3/4	1-3/16	2-3/8	3/4	500 lbs.	2
5/16 x 1-1/8	**706639**	7/8	1-7/16	2-13/16	15/16	900 lbs.	2
3/8 x 1-1/4	**706640**	1	1-11/16	3-1/4	1-1/8	1300 lbs.	2
1/2 x 1-1/2	**706641**	1-3/16	2-1/8	3-31/32	1-3/8	2400 lbs.	2
5/8 x 1-3/4	**706642**	1-3/8	2-9/16	4-3/4	1-21/32	4000 lbs.	2
3/4 x 2	**706643**	1-1/2	2-13/16	5-1/4	1-13/16	5000 lbs.	1
7/8 x 2-1/4	**706644**	1-5/8	3-3/16	6	2-1/8	7000 lbs.	1
1 x 2-1/2	**706645**	1-13/16	3-9/16	6-5/8	2-5/16	9000 lbs.	1





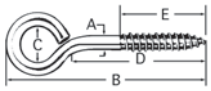
CAUTION: DO NOT EXCEED SAFE WORKING LOAD. ANGULAR LIFTS SHOULD BE AVOIDED.

EYE, U & J and HANGER BOLTS

LAG SCREW THREAD EYE BOLTS

Protected by **LUSTERPLATE™** against rust & corrosion

- Gimlet point.
- Low carbon steel.





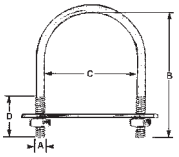
SIZE DIA. (A) x LENGTH (B)	PART NUMBER	INSIDE EYE DIA. (C)	SHANK LENGTH (D)	THREAD LENGTH (E)	QTY
3/16 x 3	**706628**	3/8	2-3/16	1-1/8	10
1/4 x 3-3/4	**706629**	1/2	2-3/4	1-5/16	10
1/4 X 5	**706630**	1/2	4	1-7/8	10
5/16 x 4	**706631**	5/8	2-3/4	1-7/8	10
5/16 x 5	**706632**	5/8	3-3/4	1-7/8	10
5/16 x 6	**706633**	5/8	4-3/4	1-7/8	10
3/8 x 4-1/2	**706634**	3/4	2-3/4	1-15/16	5
3/8 x 6	**706635**	3/4	4-1/4	1-15/16	5
3/8 x 8	**706636**	3/4	6-1/4	2-7/8	5
7/16 x 5-1/4	**706637**	1	3-1/4	2-1/2	5

U-BOLTS with HEX NUTS & PLATES

Protected by **LUSTERPLATE™** against rust & corrosion

Used to support pipes, tubing, bars and supply lines.

- Low carbon steel.
- USS Coarse threads.
- Complete with 2 hex nuts and 1 flat plate.



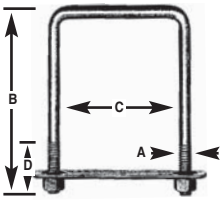


DIA. & THREAD (A)	PART NUMBER	LENGTH (B)	WIDTH BET. (C)	THREAD LENGTH (D)	FITS PIPE SIZE	QTY
1/4-20	**706575**	1-3/4	1	1	1/2	5
1/4-20	**706576**	2	1-1/8	1-1/4	3/4	5
1/4-20	**706577**	3-1/2	1-1/8	2-3/4	3/4	5
1/4-20	**706578**	2-3/4	1-3/8	1-3/4	1	5
5/16-18	**706579**	2-1/2	1-3/8	1-1/4	1	5
5/16-18	**706580**	3-11/16	1-3/8	2-3/8	1	5
5/16-18	**706581**	3	1-3/4	1-1/2	1-1/4	5
5/16-18	**706582**	4-3/16	1-3/4	2-1/2	1-1/4	5
5/16-18	**706583**	3	2	1-1/2	1-1/2	5
5/16-18	**706584**	4-11/16	2	2-3/4	1-1/2	5
5/16-18	**706585**	3-1/2	2-1/2	1-1/2	2	5
5/16-18	**706586**	4-3/16	2-1/2	2-1/4	2	5
5/16-18	**706587**	5-3/16	2-1/2	3	2	5
3/8-16	**706588**	3-5/8	2-1/2	1-3/4	2	5
3/8-16	**706589**	4-5/8	3-1/2	2	3	5

SQUARE U-BOLTS with HEX NUTS & PLATES

Protected by **LUSTERPLATE™** against rust & corrosion

- Low carbon steel.
- USS Coarse threads.
- Complete with two hex nuts and straps.





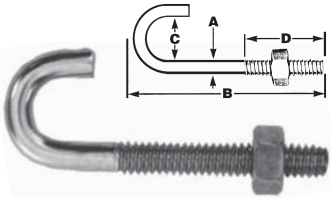
Used to support ducts, pipes, tubing, bars, conduit, and supply lines.

DIA. & THREAD (A)	PART NUMBER	LENGTH (B)	WIDTH BET. (C)	THREAD LENGTH (D)	QTY
5/16-18	**706595**	5	2	3	5
5/16-18	**706596**	7	2	3-3/4	5
3/8-16	**706597**	5	4	3	5
3/8-16	**706598**	6	3	3-1/2	5
3/8-16	**706599**	7	3	3-3/4	5

J-BOLTS with HEX NUTS

Protected by **LUSTERPLATE™** against rust & corrosion

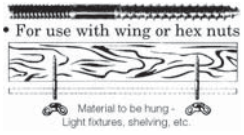
- Low carbon steel.
- USS Coarse threads.



SIZE DIA. (A) x LENGTH (B)	PART NUMBER	HOOK I.D. (C)	THREAD LENGTHS (D)	QTY
3/16 x 1-7/8	**706600**	5/16	1-1/4	10
7/32 x 2-1/8	**706601**	3/8	1-1/4	10
1/4 x 2-5/16	**706602**	7/16	1-1/2	10
1/4 x 4	**706603**	1/2	2	10
1/4 x 5	**706604**	1/2	2-1/2	10
1/4 x 6	**706605**	5/8	2-1/2	10
5/16 x 3	**706606**	1/2	2	10

SIZE DIA. (A) x LENGTH (B)	PART NUMBER	HOOK I.D. (C)	THREAD LENGTHS (D)	QTY
5/16 x 5	**706608**	5/8	2-1/2	10
5/16 x 6	**706609**	5/8	2-1/2	10
5/16 x 7	**706610**	5/8	3-7/8	5
3/8 x 3-3/4	**706611**	5/8	2-1/4	10
3/8 x 5	**706612**	5/8	2-1/4	10
3/8 x 7	**706613**	5/8	2-1/4	5
1/2 x 6	706614	1	3	5

HANGER BOLTS



- Carbon steel.
- Clean rolled threads for tight fit.
- Sharp point for easy starting.
- Ideal for hanging almost anything.

Protected by **LUSTERPLATE™** against rust & corrosion



	DIA. 1/4		DIA. 5/16		DIA. 3/8	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
2	**507201**	50	**507203**	50	**---**	-
3	**507202**	50	**507204**	50	**507205**	50
4	**---**	-	**---**	-	**507206**	50

THREADED ROD and STUDS

THREADED ROD

DIA.	LENGTH 3 FT. PART NUMBER USS-PLAIN	LENGTH 3 FT. PART NUMBER SAE-PLAIN	LENGTH 6 FT. PART NUMBER USS-PLAIN	LENGTH 6 FT. PART NUMBER SAE-PLAIN	LENGTH 6 FT. PART NUMBER USS-PLATED	LENGTH 6 FT. PART NUMBER SAE-PLATED
4-40	51444	---	---	---	---	---
5-40	51445	---	---	---	---	---
6-32	51446	---	---	---	---	---
8-32	51447	---	---	---	---	---
10	51448	51426	---	---	---	---
12	51449	---	---	---	---	---
1/4	51402	51463	51901	51914	51950	51964
5/16	51403	51464	51902	51915	51951	51965
3/8	51404	51465	51903	51916	51952	51966
7/16	51405	51466	51904	51917	51953	51967
1/2	51406	51467	51905	51918	51954	51968
9/16	51414	51427	51906	51919	51955	51969
5/8	51407	51468	51907	51920	51956	51970
3/4	51408	51469	51908	51921	51957	51971
7/8	51409	51470	51909	51922	51958	51972
1	51410	51471	51910	51923	51959	51973
1-1/8	51411	51472	51911	51924	51960	51974
1-1/4	51412	51473	51912	51925	51961	51975
1-1/2	51413	51474	51913	51926	51962	51976

- Low carbon steel.
- USS-Coarse and SAE-Fine Thread.
- Full thread.
- 3 foot or 6 foot lengths.



SAE (FINE)
Part No. 501678
17 pieces • 9 items • 12006 metal rack

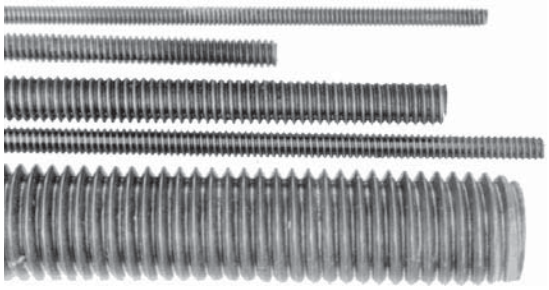
51463	51465	51467	51469	51471
51464	51466	51468	51470	

Numbers in assortment

ASTM A193-B7 THREADED ROD

DIA.	PART NUMBER USS-PLAIN	USS-PLATED	SAE PLAIN
1/4	51450	51475	51487
5/16	51451	51476	51488
3/8	51452	51477	51489
7/16	51453	51478	51490
1/2	51454	51479	51491
5/8	51455	51480	51492
3/4	51456	51481	51493
7/8	51457	51482	51494
1	51458	51483	51495
1-1/8*	51459	51484	51496
1-1/4*	51460	51485	51497
1-1/2*	51461	51486	51498

*Use only A194-2H nuts found on page A11-7.



- Used for Grade 8 applications.
- 3 foot lengths.
- Color coded (orange) on one end for easy identification.
- 125,000 PSI minimum tensile strength.

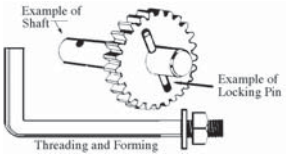
SEE SECTION A13 FOR STAINLESS STEEL AND BRASS THREADED ROD, SECTION A16 FOR METRIC.

UNTHREADED STEEL FORMING ROD

DIA.	PART NUMBER
1/4	51415
5/16	51416
3/8	51417
7/16	51418
1/2	51419
5/8	51420
3/4	51421
7/8	51422
1	51423



- Low carbon steel.
- Black finish.
- 3 foot long.
- Easily cut, drilled, tapped, welded and threaded.
- Used for: linkage rods, shafts, locking pins, anchor bolts, J-bolts, U-bolts, hook bolts, eye bolts control rods, push rods, etc.



Protected by **BLACK OXIDE FINISH™** against rust & corrosion

Part No. 51400
6 pieces • 6 items

51415	51417	51419
51416	51418	51420

Numbers in assortment

ASTM A193-B7 FULLY THREADED STUDS

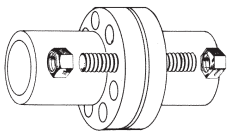
Used specifically for pipe flange bolting.

LENGTH	DIA. 1/2-13 PART NUMBER	QTY	DIA. 5/8-11 PART NUMBER	QTY	DIA. 3/4-10 PART NUMBER	QTY	DIA. 7/8-9 PART NUMBER	QTY	DIA. 1-8 PART NUMBER	QTY
2	702145	8	---	-	---	-	---	-	---	-
2-/2	702146	8	702181	8	---	-	---	-	---	-
3	702147	8	702152	8	702183	8	702184	6	---	-
3-1/2	702148	8	702153	8	702157	-	702185	6	---	-
4	702149	8	702154	8	702158	8	702165	6	702186	2
4-1/2	---	-	702155	8	702159	8	702166	6	---	-
5	702180	6	702156	8	702160	8	702167	6	702187	2
5-1/2	---	-	---	-	702161	8	702168	6	---	-
6	702150	6	702182	6	702162	6	702169	6	702188	2
6-1/2	---	-	---	-	702163	6	702170	6	---	-
7	---	-	---	-	702164	6	702171	6	702189	2
8	702151	6	---	-	---	-	---	-	702190	2



Protected by **BLACK OXIDE FINISH™** against rust & corrosion

- Also used for tie rods, tie downs, wall mounting, anchor bolting, etc.
- USS Coarse threads.
- Special heat-treated alloy steel - minimum tensile strength of 125,000 PSI to 1000°F.
- For use with A194-2H heavy hex nuts found on A11-7.

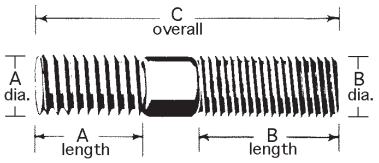


STUDS and COUPLINGS

DOUBLE ENDED STUDS

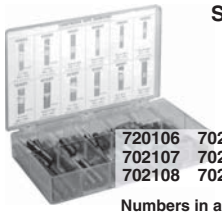
- **Grade 5 high carbon heat treated steel.**
- **Ideal for manifolds, cylinder heads, wheels and general purpose.**

"A" DIA. x LENGTH	"B" DIA. x LENGTH	OVERALL LENGTH	PART NUMBER	QTY
1/4 USS x 3/8	1/4 USS x 1/2	1	**703600**	20
1/4 SAE x 3/8	5/16 USS x 3/8	1	**703601**	20
1/4 SAE x 7/16	1/4 USS x 7/16	1	**702101**	20
1/4 SAE x 1/2	1/4 USS x 1/2	1-1/4	**702102**	20
1/4 SAE x 3/4	1/4 USS x 1/2	1-1/2	**702103**	20
1/4 SAE x 1	1/4 USS x 1/2	2	**702104**	20
1/4 SAE x 1-7/8	1/4 USS x 3/8	2-1/2	**703602**	20
5/16 SAE x 1/2	5/16 USS x 3/8	1	**702105**	20
5/16 SAE x 5/8	5/16 USS x 1/2	1-1/4	**702106**	20
5/16 SAE x 5/8	3/8 USS x 7/16	1-1/4	**703603**	20
5/16 SAE x 5/8	5/16 USS x 3/4	1-1/2	**702107**	20
5/16 USS x 7/8	5/16 USS x 7/16	1-1/2	**703604**	20
5/16 SAE x 7/8	5/16 USS x 9/16	1-3/4	**702108**	20
5/16 USS x 5/16	5/16 USS x 1/2	1-3/4	**703605**	20
5/16 SAE x 1	5/16 USS x 9/16	2	**702109**	20
5/16 USS x 1	5/16 USS x 7/16	2	**703606**	20
5/16 SAE x 1/2	5/16 USS x 1/2	2-1/2	**703607**	20
5/16 SAE x 1-5/8	5/16USS x 1/2	2-1/2	**703633**	20
5/16 USS x 1-1/2	5/16 USS x 1/2	2-1/2	**703608**	20
5/16 SAE x 1-1/2	5/16 USS x 5/8	3	**703609**	20
3/8 SAE x 3/4	3/8 USS x 1/2	1-1/2	**702110**	20
3/8 USS x 11/16	3/8 USS x 9/16	1-1/2	**703610**	20
3/8 SAE x 3/4	3/8 USS x 1/2	1-3/4	**702111**	20
3/8 USS x 7/8	3/8 USS x 5/8	1-3/4	**703611**	20
3/8 SAE x 3/4	7/16 USS x 7/8	1-7/8	**703612**	20
3/8 SAE x 1	3/8 USS x 5/8	2	**702112**	20
3/8 USS x 1-1/8	3/8 USS x 5/8	2	**703613**	20
3/8 USS x 1	3/8 USS x 5/8	2-1/8	**703614**	20
3/8 USS x 1-1/2	3/8 USS x 7/16	2-7/32	**703615**	20
3/8 SAE x 1	3/8 USS x 5/8	2-3/8	**702113**	20
3/8 SAE x 1-5/16	7/16 USS x 7/8	2-1/2	**703617**	20
3/8 SAE x 1	3/8 USS x 3/4	2-3/4	**702114**	20
3/8 SAE x 2	3/8 USS x 5/8	3	**702115**	20
3/8 USS x 5/8	3/8 USS x 2	3	**703618**	20
3/8 USS x 1-5/8	3/8 USS x 7/16	3-1/4	**703619**	20
3/8 USS x 1-5/8	3/8 USS x 7/16	3-5/16	**703620***	20
3/8 SAE x 1	3/8 USS x 3/4	3-3/4	**703621**	20
3/8 USS x 2	3/8 USS x 3/4	4	**703622**	20
3/8 SAE x 1-7/8	3/8 USS x 1/2	4	**703623**	20
7/16 SAE x 3/4	7/16 USS x 1/2	1-1/2	**702116**	20
7/16 SAE x 3/4	7/16 USS x 9/16	1-3/4	**702117**	20
7/16 USS x 13/16	7/16 USS x 3/4	1-3/4	**703624**	20
7/16 SAE x 7/8	7/16 USS x 3/4	2	**702118**	20
7/16 USS x 15/16	7/16 USS x 3/4	2	**703625**	20
7/16 SAE x 15/16	1/2 USS x 3/4	2	**703626**	20
7/16 SAE x 3/4	7/16 USS x 3/4	2-1/4	**702119**	20
7/16 SAE x 7/8	1/2 USS x 7/8	2-1/4	**703627**	20
7/16 SAE x 7/8	7/16 USS x 3/4	2-1/2	**702120**	20
7/16 USS x 1-1/4	7/16 USS x 3/4	2-1/2	**703628**	20
7/16 SAE x 1-3/8	7/16 USS x 3/4	2-1/2	**703629**	20
7/16 SAE x 1	7/16 USS x 5/8	2-3/4	**702121**	20
7/16 SAE x 3/4	1/2 USS x 3/4	2-3/4	**703631**	20
7/16 SAE x 1-13/16	7/16 USS x 3/4	3	**702122**	20



"A" DIA. x LENGTH	"B" DIA. x LENGTH	OVERALL LENGTH	PART NUMBER	QTY
7/16 SAE x 1-13/16	1/2 USS x 11/16	3	**703632**	20
7/16 SAE x 2-3/16	7/16 USS x 3/4	3-1/4	**703634**	20
7/16 SAE x 2	7/16 USS x 1-3/16	3-1/2	**703635**	20
7/16 SAE x 3-1/8	7/16 USS x 13/16	4-3/8	**703636**	20
1/2 SAE x 5/8	1/2 USS x 9/16	1-1/2	**703637**	20
1/2 SAE x 7/8	1/2 USS x 3/4	1-3/4	**703638**	20
1/2 SAE x 3/4	1/2 USS x 3/4	1-7/8	**703639**	20
1/2 SAE x 5/16	1/2 USS x 5/8	2	**702123**	20
1/2 SAE x 1-1/8	1/2 USS x 3/4	2-1/4	**702124**	20
1/2 USS x 1-5/16	1/2 USS x 11/16	2-1/4	**703640**	20
1/2 SAE x 7/8	9/16 USS x 7/8	2-3/8	**703641**	20
1/2 SAE x 1	1/2 USS x 3/4	2-1/2	**702125**	20
1/2 SAE x 1-5/8	1/2 USS x 3/4	2-3/4	**702126**	20
1/2 SAE x 2	1/2 USS x 3/4	3	**702127**	20
1/2 USS x 1-7/8	1/2 USS x 5/8	3	**703642**	20
1/2 SAE x 1-7/8	9/16 USS x 5/8	3	**703643**	20
1/2 SAE x 2-1/4	1/2 USS x 15/16	3-1/2	**703644**	20
9/16 SAE x 1	9/16 USS x 3/4	2-1/2	**702130**	20
9/16 SAE x 1-9/16	9/16 USS 13/16	2-3/4	**703645**	20
9/16 SAE x 1-1/4	9/16 USS x 1	3	**703646**	20
9/16 SAE x 2	9/16 USS x 7/8	3-1/4	**703647**	20
5/8 USS x 1-1/4	5/8 USS x 3/4	2-1/2	**703648**	20
5/8 SAE x 1	5/8 USS x 3/4	2-1/2	**703649**	20
5/8 SAE x 1-1/2	5/8 USS x 13/16	2-5/8	**702132**	20
5/8 USS x 1-1/2	5/8 USS x 13/16	2-5/8	**703650**	20
5/8 USS x 1-1/2	5/8 USS x 15/16	2-3/4	**703651**	20
5/8 SAE x 1-1/4	5/8 USS x 1	3	**702133**	20
5/8 SAE x 1-1/2	5/8 USS x 1-1/4	3-1/2	**702134**	20
5/8 SAE x 1-3/4	5/8 USS x 1-1/2	4	**703652**	20
3/4 USS x 1-9/16	3/4 USS x 1-1/16	2-13/16	**703653**	20
3/4 USS x 1-3/4	3/4 USS x 1	3	**703654**	20
3/4 SAE x 1-7/8	3/4 USS x 1	3-1/4	**703655**	20

***Dog Point**



Sizes: 5/16" x 1-1/4" through 1/2" x 3"
Part No. 702001
68 pieces • 12 items
12038 plastic tray

720106	**702111**	**702117**	**702123**
702107	**702112**	**702118**	**702126**
702108	**702115**	**702121**	**702127**

Numbers in assortment

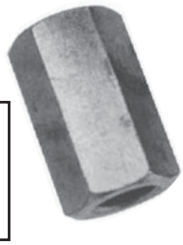
SEE SECTION A16 FOR METRIC COUPLINGS.

HEX ROD COUPLINGS

Protected by **LUSTERPLATE™** against rust & corrosion

- **High quality steel.**
- **Minimum tensile strength of 60,000 PSI.**
- **Ideal for leveling feet, rods over 3 feet long, jig and fixture work, spacing and hanging.**





Part No. 505022
12 pieces • 5 items • 12033 plastic tray

51430	**51432**	**51434**
51431	**51433**	

Numbers in assortment

USS COARSE THREADS

SIZE	PART NUMBER	WRENCH SIZE	LENGTH	QTY
4-40	**51436**	5/16	7/16	10
6-32	**51437**	5/16	1/2	10
8-32	**51438**	5/16	5/8	10
10-24	**51439**	5/16	3/4	10
1/4	**51430**	3/8	7/8	10
5/16	**51431**	1/2	1-1/8	10
3/8	**51432**	5/8	1-3/4	10
7/16	**51434**	5/8	1-3/4	10
1/2	**51433**	11/16	1-3/4	10
9/16	**51440**	13/16	2-1/8	10
5/8	**51435**	13/16	2-1/8	5
3/4	**51441**	1	2-1/4	5
7/8	**51442**	1-1/4	2-1/2	5
1	**51443**	1-3/8	2-1/2	5

SAE FINE THREADS

SIZE	PART NUMBER	WRENCH SIZE	LENGTH	QTY
10-32	**51385**	5/16	3/4	10
1/4	**51386**	3/8	7/8	10
5/16	**51387**	7/16	7/8	10
3/8	**51388**	5/8	1-3/4	10
7/16	**51389**	5/8	1-1/4	10
1/2	**51390**	11/16	1-3/4	10
9/16	**51391**	13/16	2-1/8	5
5/8	**51392**	13/16	2-1/8	5
3/4	**51393**	1	2-1/4	5
7/8	**51394**	1-1/4	2-1/2	5
1	**51395**	1-3/8	2-3/4	5

SEE SECTION A16 FOR METRIC COUPLINGS.

A SECTION FASTENERS & HARDWARE

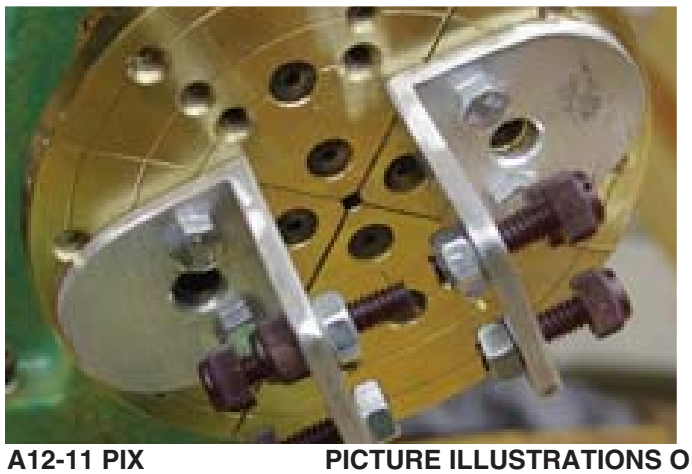












A12-11 PIX **PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.**

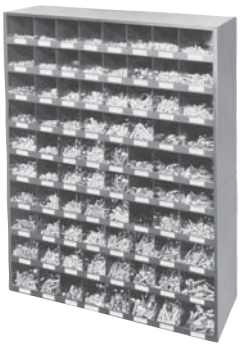
STAINLESS STEEL

80 BIN 18-8 STAINLESS STEEL FASTENERS

- **18-8 Stainless Steel Hex Head Cap Screws USS (Coarse), hex nuts, flat and lock washers in sizes 1/4'' to 1/2'' diameters, in lengths to 3".**

1/4 lock washer	5/16 lock washer	3/8 lock washer	7/16 lock washer	1/2 lock washer			
1/4 flat washer	5/16 flat washer	3/8 flat washer	7/16 flat washer	1/2 flat washer			
1/4 hex nut	5/16 hex nut	3/8 hex nut	7/16 hex nut	1/2 hex nut			
1/4 x 1/2	1/4 x 3/4	1/4 x 1	1/4 x 1-1/4	1/4 x 1-1/2	1/4 x 1-3/4	1/4 x 2	
5/16 x 1/2	5/16 x 3/4	5/16 x 1	5/16 x 1-1/4	5/16 x 1-1/2	5/16 x 1-3/4	5/16 x 2	
3/8 x 3/4	3/8 x 1	3/8 x 1-1/4	3/8 x 1-1/2	3/8 x 1-3/4	3/8 x 2	3/8 x 2-1/2	3/8 x 3
7/16 x 3/4	7/16 x 1	7/16 x 1-1/4	7/16 x 1-1/2	7/16 x 1-3/4	7/16 x 2	7/16 x 2-1/4	7/16 x 2-1/2
1/2 x 1	1/2 x 1-1/2	1/2 x 2	1/2 x 2-1/2	1/2 x 3			7/16 x 3





18-8 STAINLESS STEEL USS (COARSE)

Part No. 501350
2825 pieces • 51 items
(2) 12021 steel cabinets

Assortment Photo for illustration purposes only.
Actual Contents may vary.

A13

18 DRAWER 18-8 STAINLESS STEEL FASTENERS

- **18-8 Stainless Steel Hex Head Cap Screws USS (Coarse), hex nuts, flat and lock washers in sizes 1/4'' to 1/2'' diameters, in lengths to 2".**

1/4 lock washer	5/16 lock washer	3/8 lock washer	7/16 lock washer	1/2 lock washer	
1/4 flat washer	5/16 flat washer	3/8 flat washer	7/16 flat washer	1/2 flat washer	
1/4 hex nut	5/16 hex nut	3/8 hex nut	7/16 hex nut	1/2 hex nut	
1/4 x 1/2	1/4 x 3/4	1/4 x 1	1/4 x 1-1/4	1/4 x 1-1/2	1/4 x 2
5/16 x 1/2	5/16 x 3/4	5/16 x 1	5/16 x 1-1/4	5/16 x 1-1/2	5/16 x 2
3/8 x 3/4	3/8 x 1	3/8 x 1-1/4	3/8 x 1-1/2	3/8 x 2	
7/16 x 3/4	7/16 x 1	7/16 x 1-1/4	7/16 x 1-1/2	7/16 x 2	
1/2 x 1	1/2 x 1-1/2	1/2 x 2			





18-8 STAINLESS STEEL USS (COARSE)

Part No. 501352
1765 pieces • 40 items
12020 steel cabinet

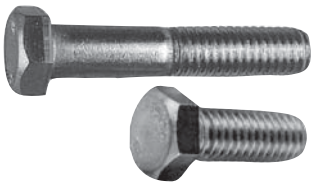
STAINLESS STEEL

18-8 STAINLESS HEX HEAD CAP SCREWS

- USS coarse and SAE fine threads.
- Meets or exceeds ASTM F593 Alloy Group 1.
- 80,000 PSI minimum tensile strength.
- Good resistance to heat, cold and corrosion.

	DIA. 1/4-20		DIA. 1/4-28		DIA. 5/16-18		DIA. 5/16-24		DIA. 3/8-16		DIA. 3/8-24		DIA. 7/16-14		DIA. 7/16-20	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/2	702301	50	703901	50	702311	50	703913	50	703312	50	703924	50	---	-	---	-
5/8	703300	50	703902	50	703306	50	703914	50	703313	50	703925	50	---	-	---	-
3/4	702302	50	703903	50	702312	50	703915	50	702321	50	703926	50	702342	50	703936	50
1	702303	50	703904	50	702313	50	703916	50	702322	50	703927	50	702343	50	703937	50
1-1/4	702304	50	703905	50	702314	50	703917	50	702323	50	703928	50	702344	50	703938	50
1-1/2	702305	50	703906	50	702315	50	703918	50	702324	50	703929	50	702345	50	703939	50
1-3/4	702306	50	703907	50	702316	50	703919	50	702325	50	703930	50	702346	50	703940	50
2	702307	50	703908	50	702317	50	703920	50	702326	50	703931	50	702347	50	703941	50
2-1/4	702308	50	703909	50	702318	50	703921	50	703314	50	703932	50	702348	50	703942	50
2-1/2	702309	50	703910	50	702319	50	703922	50	702327	50	703933	50	702349	50	703943	50
2-3/4	703301	50	703911	50	703307	50	---	-	703315	50	703934	50	---	-	---	-
3	702310	50	703912	50	702320	50	703923	50	702328	50	703935	50	702351	50	703944	50
3-1/2	702335	25	---	-	702337	25	---	-	702339	25	---	-	702352	50	---	-
4	702336	25	---	-	702338	25	---	-	702340	25	---	-	702353	50	---	-
4-1/2	703302	10	---	-	703308	10	---	-	703316	10	---	-	---	-	---	-
5	703303	10	---	-	703309	10	---	-	703317	10	---	-	---	-	---	-
5-1/2	703304	10	---	-	703310	10	---	-	703318	10	---	-	---	-	---	-
6	703305	10	---	-	703311	10	---	-	703319	10	---	-	---	-	---	-

	DIA. 1/4-20		DIA. 1/4-28		DIA. 5/16-18		DIA. 5/16-24		DIA. 3/8-16		DIA. 3/8-24		DIA. 7/16-14		DIA. 7/16-20	
	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
Hex Nut	703101	50	703155	50	703102	50	703156	50	703103	50	703157	50	703105	50	703158	50
Flat Washer	704125	100	---	-	704126	100	---	-	704127	100	---	-	704129	100	---	-
Lock Washer	704105	100	---	-	704106	100	---	-	704107	100	---	-	704109	100	---	-





Sizes: 1/4" x 1" through 7/16" x 2"
USS (COARSE) Includes hex nuts
Part No. 501353
450 pieces • 22 items • 12017 steel tray

702301 702303 702307 702312 702315 702321 702324 702342 702345 703101 703103
702302 702305 702311 702313 702317 702322 702326 702343 702347 703102 703105
Numbers in assortment

18-8 STAINLESS HEX HEAD CAP SCREWS

- USS coarse and SAE fine threads.
- Meets or exceeds ASTM F593 Alloy Group 1.
- 80,000 PSI minimum tensile strength.
- Good resistance to heat, cold and corrosion.





	DIA. 1/2-13		DIA. 1/2-20		DIA. 5/8-11		DIA. 3/4-10		DIA. 7/8-9		DIA. 1-8	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/2	---	-	---	-	---	-	---	-	---	-	---	-
5/8	---	-	---	-	---	-	---	-	---	-	---	-
3/4	---	-	---	-	---	-	---	-	---	-	---	-
1	702329	25	703945	25	702354	25	702368	10	---	-	---	-
1-1/4	703320	25	703946	25	702355	25	702369	10	---	-	---	-
1-1/2	702330	25	703947	25	702356	25	702370	10	702382	10	---	-
1-3/4	703321	25	703948	25	702357	25	702371	10	702383	10	---	-
2	702331	25	703949	25	702358	25	702372	10	702384	10	702394	5
2-1/4	703322	25	703950	25	702359	10	702373	10	702385	10	702395	5
2-1/2	702332	25	703951	25	702360	10	702374	10	702386	10	702396	5
2-3/4	703323	25	703952	25	703328	10	703329	10	---	-	---	-
3	702333	25	703953	25	702361	10	702375	10	702387	10	702397	5
3-1/2	702334	25	---	-	702362	10	702376	10	702388	10	702398	1
4	702341	25	---	-	702363	10	702377	10	702389	5	702399	1
4-1/2	703324	10	---	-	702364	10	702378	10	702390	5	703110	1
5	703325	10	---	-	702365	10	702379	10	702391	5	703111	1
5-1/2	703326	10	---	-	702366	10	702380	10	702392	5	703112	1
6	703327	10	---	-	702367	10	702381	10	702393	5	703113	1

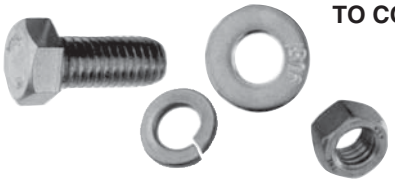
	DIA. 1/2-13		DIA. 1/2-20		DIA. 5/8-11		DIA. 3/4-10		DIA. 7/8-9		DIA. 1-8	
	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
Hex Nut	703104	50	703159	50	703106	50	703107	50	703108	50	703109	50
Flat Washer	704128	100	---	-	704130	100	704131	100	704132	100	704133	100
Lock Washer	704108	100	---	-	704110	100	704111	100	704112	100	704113	100

STAINLESS STEEL

FOOD PROCESSING and SERVICE STAINLESS STEEL HARDWARE ASSORTMENT

Our New assortment provides the essential ingredients for successfull maintenance operations in the food handling industry.

- **Products you need are on-hand, in stock & easy to find.**
- **Assortments customized for your industry.**



TO COVER YOUR MAINTENANCE NEEDS, THIS ASSORTMENT CONTAINS:

316 STAINLESS STEEL HARDWARE
Sizes: 1/4 x 1/2" to 1/2 x 2"
Includes hex nuts, flat & lock washers
Part No. 501516

18-8 STAINLESS STEEL PAN HEAD PHILLIPS SHEET METAL SCREWS
Sizes: No. 6 x 1/2" to No. 14 x 2"
Part No. 501362



18-8 STAINLESS STEEL PAN HEAD PHILLIPS MACHINE SCREWS
Sizes: No. 4-40 x 1/2" to 1/4-20 x 2"
Includes hex nuts
Part No. 501358



STAINLESS STEEL HOSE CLAMPS
7 Sizes: From 06 through 48
Part No. 501393



Includes: 4 assortments, slide rack & stand
Part No. 501762

316 STAINLESS STEEL HEX HEAD CAP SCREWS

	DIA. 1/4-20		DIA. 5/16-18		DIA. 3/8-16		DIA. 1/2-13		DIA. 5/8-11		DIA. 3/4-10		DIA. 7/8-9		DIA. 1-8	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/2	**703400**	25	**703415**	25	**703431**	20	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
5/8	**703401**	25	**703416**	25	**703432**	20	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
3/4	**703402**	25	**703417**	25	**703433**	20	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
1	**703403**	25	**703418**	25	**703434**	20	**703447**	10	**703460**	5	**---**	-	**---**	-	**---**	-
1-1/4	**703404**	25	**703419**	25	**703435**	20	**703448**	10	**703461**	5	**---**	-	**---**	-	**---**	-
1-1/2	**703405**	25	**703420**	25	**703436**	20	**703449**	10	**703462**	5	**703475**	2	**---**	-	**---**	-
1-3/4	**703406**	25	**703421**	25	**703437**	20	**703450**	10	**703463**	5	**703476**	2	**---**	-	**---**	
2	**703407**	25	**703422**	25	**703438**	20	**703451**	10	**703464**	5	**703477**	2	**703488**	2	**703496**	2
2-1/4	**703408**	25	**703423**	25	**703439**	10	**703452**	10	**703465**	5	**703478**	2	**---**	-	**---**	-
2-1/2	**703409**	25	**703424**	25	**703440**	10	**703453**	10	**703466**	5	**703479**	2	**703489**	2	**---**	-
2-3/4	**---**	-	**703425**	25	**703441**	10	**703454**	10	**703467**	5	**703480**	2	**---**	-	**---**	-
3	**703410**	10	**703426**	10	**703442**	10	**703455**	10	**703468**	5	**703481**	2	**703490**	2	**703497**	2
3-1/2	**703411**	10	**703427**	10	**703443**	10	**703456**	5	**703469**	5	**703482**	2	**703491**	2	**---**	-
4	**703412**	10	**703428**	10	**703444**	10	**703457**	5	**703470**	5	**703483**	2	**703492**	2	**703498**	2
4-1/2	**703413**	10	**703429**	10	**703445**	10	**703458**	5	**703471**	2	**703484**	2	**703493**	2	**---**	-
5	**703414**	10	**703430**	10	**703446**	10	**703459**	5	**703472**	2	**703485**	2	**703494**	2	**703499**	2
5-1/2	**---**	-	**---**	-	**---**	-	**---**	-	**703473**	2	**703486**	2	**---**	-	**---**	-
6	**---**	-	**---**	-	**---**	-	**---**	-	**703474**	2	**703487**	2	**703495**	2	**703500**	2

	DIA. 1/4-20		DIA. 5/16-18		DIA. 3/8-16		DIA. 1/2-13		DIA. 5/8-11		DIA. 3/4-10		DIA. 7/8-9		DIA. 1-8	
	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
Hex Nut	**704205**	50	**704206**	50	**704207**	25	**704208**	25	**704209**	10	**704210**	10	**704211**	5	**704212**	5
Flat Washer	**704215**	50	**704216**	50	**704217**	25	**704218**	25	**704219**	10	**704220**	10	**704221**	10	**704222**	10
Lock Washer	**704225**	50	**704226**	50	**704227**	25	**704228**	25	**704229**	10	**704230**	10	**704231**	10	**704232**	10



Sizes: 1/4" x 1/2" through 1/2" x 2"
USS (COARSE) Includes hex nuts, flat & lock washers
Part No. 501516
440 pieces • 30 items • 12017 steel tray

703400	**703407**	**703420**	**703434**	**703449**	**704207**	**704217**	**704227**
703402	**703415**	**703422**	**703436**	**703451**	**704208**	**704218**	**704228**
703403	**703417**	**703431**	**703438**	**704205**	**704215**	**704225**	
703405	**703418**	**703433**	**703447**	**704206**	**704216**	**704226**	

Numbers in assortment

- **USS coarse threads.**
- **80,000 PSI minimum tensile strength.**
- **Meets or exceeds ASTM F593 Alloy Group 2.**



- **Superior corrosion resistance to chemicals and salt water.**
- **Excellent low temperature resistance.**



STAINLESS STEEL

SOCKET HEAD SHOULDER SCREWS

- 18-8 stainless steel.
- USS threads.
- Class 3A fully formed threads.
- Knurled head for sure grip.
- Minimum tensile strength: 80,000 PSI

A SHOULDER DIA.	B THREAD DIA..	C SHOULDER LENGTH	PART NUMBER DIA.	QTY
1/4	10-24	3/8	**704450**	10
1/4	10-24	1/2	**704451**	10
1/4	10-24	5/8	**704452**	10
1/4	10-24	3/4	**704453**	10
1/4	10-24	1	**704454**	10
1/4	10-24	1-1/4	**704455**	10
1/4	10-24	1-1/2	**704456**	10
5/16	1/4-20	3/8	**704457**	10
5/16	1/4-20	1/2	**704458**	10
5/16	1/4-20	5/8	**704459**	10
5/16	1/4-20	3/4	**704460**	10
5/16	1/4-20	1	**704461**	10
5/16	1/4-20	1-1/4	**704462**	10
5/16	1/4-20	1-1/2	**704463**	10

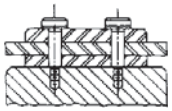
A SHOULDER DIA.	B THREAD DIA..	C SHOULDER LENGTH	PART NUMBER DIA.	QTY
3/8	5/16-18	3/8	**704464**	10
3/8	5/16-18	1/2	**704465**	10
3/8	5/16-18	5/8	**704466**	10
3/8	5/16-18	3/4	**704467**	10
3/8	5/16-18	1	**704468**	5
3/8	5/16-18	1-1/4	**704469**	5
3/8	5/16-18	1-1/2	**704470**	5
1/2	3/8-16	3/8	**704471**	5
1/2	3/8-16	1/2	**704472**	5
1/2	3/8-16	5/8	**704473**	5
1/2	3/8-16	3/4	**704474**	5
1/2	3/8-16	1	**704475**	5
1/2	3/8-16	1-1/4	**704476**	5
1/2	3/8-16	1-1/2	**704477**	5

Key sizes: 1/4" dia. - 1/8 key; 5/16" dia. - 5/32 key; 3/8" dia. - 3/16 key; 1/2 dia. - 1/4 key

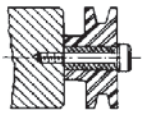




MOVING SHAFT OR PIVOT



STATIONARY GUIDE



PULLEY SHAFT USES

18-8 STAINLESS STEEL SOCKET HEAD CAP SCREWS

- USS coarse threads.
- Conforms to ANSI B18.3 specifications.

LENGTH	DIA. 6-32 7/64 HEX KEY PART NUMBER	QTY	DIA. 8-32 9/64 HEX KEY PART NUMBER	QTY	DIA. 10-24 5/32 HEX KEY PART NUMBER	QTY	DIA. 1/4-20 3/16 HEX KEY PART NUMBER	QTY	DIA. 5/16-18 1/4 HEX KEY PART NUMBER	QTY	DIA. 3/8-16 5/16 HEX KEY PART NUMBER	QTY	DIA. 1/2-13 3/8 HEX KEY PART NUMBER	QTY
1/4	**702805**	50	---	-	---	-	---	-	---	-	---	-	---	-
3/8	--	-	**702809**	50	---	-	---	-	---	-	---	-	---	-
1/2	**702806**	50	**702810**	50	**702814**	50	**702819**	50	**702827**	25	---	-	---	-
5/8	**702807**	50	**702811**	50	---	-	**702820**	50	--	-	--	-	--	-
3/4	**702808**	-	**702812**	50	**702815**	50	**702821**	50	**702828**	25	**702834**	25	--	-
1	---	-	**702813**	50	**702816**	50	**702822**	50	**702829**	25	**702835**	25	**702839**	10
1-1/4	---	-	--	-	**702817**	50	**702823**	25	**702830**	25	**702836**	25	**702840**	10
1-1/2	---	-	--	-	**702818**	50	**702824**	25	**702831**	25	**702837**	25	**702841**	10
1-3/4	---	-	---	-	--	-	**702825**	25	**702832**	25	--	-	**702842**	10
2	---	-	---	-	--	-	**702826**	25	**702833**	25	**702838**	25	**702843**	10
2-1/2	---	-	---	-	---	-	---	-	---	-	---	-	**702844**	10





Sizes: No. 6-32 x 1/4" through 1/2-13 x 2"
USS (COARSE)
Part No. 501369
405 pieces • 24 items
12017 steel tray

702805	**702813**	**702816**	**702821**	**702826**	**702829**	**702835**	**702840**
702806	**702814**	**702818**	**702822**	**702827**	**702831**	**702837**	**702842**
702810	**702815**	**702819**	**702824**	**702828**	**702833**	**702838**	**702843**

Numbers in assortment

18-8 STAINLESS SOCKET SET SCREWS

- USS coarse threads.
- Conforms to ANSI B18.3 specifications.
- Cup point.

LENGTH	DIA. 6-32 1/16 HEX KEY PART NUMBER	QTY	DIA. 8-32 5/64 HEX KEY PART NUMBER	QTY	DIA. 10-24 3/32 HEX KEY PART NUMBER	QTY	DIA. 1/4-20 1/8 HEX KEY PART NUMBER	QTY	DIA. 5/16-18 5/32 HEX KEY PART NUMBER	QTY	DIA. 3/8-16 3/16 HEX KEY PART NUMBER	QTY	DIA. 1/2-13 1/4 HEX KEY PART NUMBER	QTY
1/8	**702855**	50	**702860**	50	---	-	---	-	---	-	---	-	---	-
3/16	**702856**	50	**702861**	50	**702866**	50	---	-	---	-	---	-	---	-
1/4	**702857**	50	**702862**	50	**702867**	50	**702871**	50	**702877**	50	---	-	---	-
5/16	**702858**	50	**702863**	50	**702868**	50	**702872**	50	**702878**	50	--	-	--	-
3/8	**702859**	50	**702864**	50	**702869**	50	**702873**	50	**702879**	50	**702883**	50	--	-
1/2	---	-	**702865**	50	**702870**	50	**702874**	50	**702880**	50	**702884**	50	**702887**	25
3/4	---	-	---	-	--	-	**702875**	50	**702881**	50	**702885**	50	**702888**	25
1	---	-	---	-	--	-	**702876**	50	**702882**	50	**702886**	50	**702889**	25



Sizes: No. 6-32 x 1/8" through 1/2-13 x 2"
USS (COARSE)
Part No. 501370 • 435 pieces • 24 items • 12017 steel tray

702855	**702860**	**702867**	**702871**	**702875**	**702879**	**702884**	**702887**
702857	**702862**	**702869**	**702873**	**702876**	**702880**	**702885**	**702888**
702859	**702864**	**702870**	**702874**	**702877**	**702883**	**702886**	**702889**

Numbers in assortment

STAINLESS STEEL

18-8 STAINLESS STEEL FLAT HEAD SOCKET CAP SCREWS

- USS coarse threads*.
- Flat head provides a flush finish.
- 80,000 PSI tensile strength.
- Conforms to ANSI B13.3 specifications.



LENGTH	DIA. 2-56 .050 HEX KEY PART NUMBER	QTY	DIA. 4-40 1/16 HEX KEY PART NUMBER	QTY	DIA. 6-32 5/64 HEX KEY PART NUMBER	QTY	DIA. 8-32 3/32 HEX KEY PART NUMBER	QTY	DIA. 10-24 1/8 HEX KEY PART NUMBER	QTY	DIA. 10-32* 1/8 HEX KEY PART NUMBER	QTY	DIA. 1/4-20 5/32 HEX KEY PART NUMBER	QTY	DIA. 5/16-18 3/16 HEX KEY PART NUMBER	QTY
3/16	703700	50	---	-	---	-	---	-	---	-	---	-	---	-	---	-
1/4	703701	50	703704	50	703711	50	703720	50	---	-	---	-	---	-	---	-
5/16	703702	50	703705	50	703712	50	703721	50	---	-	---	-	---	-	---	-
3/8	703703	50	703706	50	703713	50	703722	50	703729	50	703736	50	703743	50	---	-
1/2	---	-	703707	50	703714	50	703723	50	703730	50	703737	50	703744	50	703751	25
5/8	---	-	703708	50	703715	50	703724	50	703731	50	703738	50	703745	50	703752	25
3/4	---	-	703709	50	703716	50	703725	50	703732	50	703739	50	703746	50	703753	25
1	---	-	703710	50	703717	50	703726	50	703733	50	703740	50	703747	50	703754	25
1-1/4	---	-	---	-	703718	50	703727	50	703734	50	703741	50	703748	25	703755	25
1-1/2	---	-	---	-	703719	50	703728	50	703735	50	703742	50	703749	25	703756	25
2	---	-	---	-	---	-	---	-	---	-	---	-	703750	25	703757	25



USS (COARSE)
Part No. 501583
390 pieces • 22 items
12017 steel tray

703711	703726	703733	703746	703751	703756	703764	703769
703714	703730	703735	703747	703753	703761	703766	
703723	703732	703744	703749	703754	703763	703768	

Numbers in assortment

LENGTH	DIA. 3/8-16 7/32 HEX KEY PART NUMBER	QTY	DIA. 1/2-13 5/16 HEX KEY PART NUMBER	QTY	DIA. 5/8-11 3/8 HEX KEY PART NUMBER	QTY
1/2	703758	25	---	-	---	-
5/8	703759	25	---	-	---	-
3/4	703760	25	703765	10	---	-
1	703761	25	703766	10	703770	10
1-1/4	703762	25	703767	10	703771	10
1-1/2	703763	25	703768	10	703772	10
2	703764	25	703769	10	703773	10

*10-32 Fine thread (SAE)

18-8 STAINLESS STEEL BUTTON HEAD SOCKET CAP SCREWS

- USS coarse threads*.
- Low head height for stream line design.
- 80,000 PSI tensile strength.
- Conforms to ANSI B13.3 specifications.

LENGTH	DIA. 2-56 .050 HEX KEY PART NUMBER	QTY	DIA. 4-40 1/16 HEX KEY PART NUMBER	QTY	DIA. 6-32 5/64 HEX KEY PART NUMBER	QTY	DIA. 8-32 3/32 HEX KEY PART NUMBER	QTY	DIA. 10-24 1/8 HEX KEY PART NUMBER	QTY	DIA. 10-32* 1/8 HEX KEY PART NUMBER	QTY	DIA. 1/4-20 5/32 HEX KEY PART NUMBER	QTY	DIA. 5/16-18 3/16 HEX KEY PART NUMBER	QTY
3/16	703800	50	703805	50	703813	50	---	-	---	-	---	-	---	-	---	-
1/4	703801	50	703806	50	703814	50	703823	50	703832	50	703842	50	---	-	---	-
5/16	703802	50	703807	50	703815	50	703824	50	---	-	---	-	---	-	---	-
3/8	703803	50	703808	50	703816	50	703825	50	703833	50	703843	50	703852	50	---	-
1/2	703804	50	703809	50	703817	50	703826	50	703834	50	703844	50	703853	50	703861	25
5/8	---	-	703810	50	703818	50	703827	50	703835	50	703845	50	703854	50	703862	25
3/4	---	-	703811	50	703819	50	703828	50	703836	50	703846	50	703855	50	703863	25
1	---	-	703812	50	703820	50	703829	50	703837	50	703847	50	703856	25	703864	25
1-1/4	---	-	---	-	703821	50	703830	50	703838	50	703848	50	703857	25	703865	25
1-1/2	---	-	---	-	703822	50	703831	50	703839	50	703849	50	703858	25	703866	25
1-3/4	---	-	---	-	---	-	---	-	703840	50	703850	50	703859	25	703867	25
2	---	-	---	-	---	-	---	-	703841	50	703851	50	703860	25	703868	25

*10-32 Fine thread (SAE)



USS (COARSE)
Part No. 501584
340 pieces • 22 items
12017 steel tray

703806	703817	703825	703829	703837	703856	703860	703868
703809	703819	703826	703834	703838	703857	703864	
703814	703820	703828	703836	703839	703858	703866	

Numbers in assortment



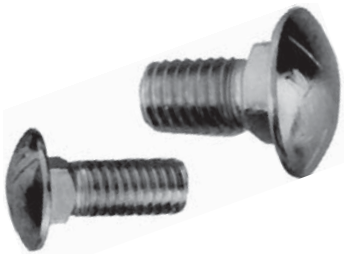
A13

STAINLESS STEEL

18-8 STAINLESS STEEL CARRIAGE BOLTS

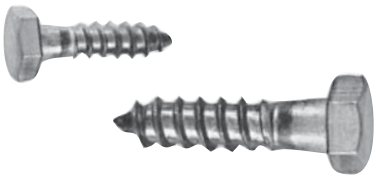
LENGTH	DIA. 1/4 PART NUMBER	QTY	DIA. 5/16 PART NUMBER	QTY	DIA. 3/8 PART NUMBER	QTY	DIA. 1/2 PART NUMBER	QTY
1/2	**703350**	50	---	-	---	-	---	-
3/4	**703351**	50	**703361**	50	**703371**	25	---	-
1	**703352**	50	**703362**	50	**703372**	25	**703383**	10
1-1/4	**703353**	50	**703363**	25	**703373**	25	---	-
1-1/2	**703354**	50	**703364**	25	**703374**	25	**703384**	10
1-3/4	**703355**	25	**703365**	25	**703375**	25	---	-
2	**703356**	25	**703366**	25	**703376**	25	**703385**	10
2-1/2	**703357**	25	**703367**	25	**703377**	25	**703386**	10
3	**703358**	25	**703368**	25	**703378**	25	**703387**	10
3-1/2	**703359**	25	**703369**	25	**703379**	10	**703388**	10
4	**703360**	25	**703370**	10	**703380**	10	**703389**	10
5	---	-	---	-	**703381**	10	**703390**	10
6	---	-	---	-	**703382**	10	**703391**	10

- **USS coarse threads.**



18-8 STAINLESS HEX LAG SCREWS

LENGTH	DIA. 1/4 PART NUMBER	QTY	DIA. 5/16 PART NUMBER	QTY	DIA. 3/8 PART NUMBER	QTY	DIA. 1/2 PART NUMBER	QTY
1	**705240**	50	---	-	---	-	---	-
1-1/2	**705241**	50	**705246**	25	**705251**	25	---	-
2	**705242**	25	**705247**	25	**705252**	25	**705256**	10
2-1/2	**705243**	25	**705248**	25	**705253**	25	**705257**	10
3	**705244**	25	**705249**	25	**705254**	25	**705258**	10
4	**705245**	25	**705250**	10	**705255**	10	**705259**	10



STAINLESS STEEL SQUARE KEYSTOCK



SIZE	PART NUMBER	QTY	SIZE	PART NUMBER	QTY
1/8 x 1/8	**704175**	2	1/2 x 1/2	**704181**	1
3/16 x 3/16	**704176**	2	5/8 x 5/8	**704182**	1
1/4 x 1/4	**704177**	2	3/4 x 3/4	**704183**	1
5/16 x 5/16	**704178**	2	7/8 x 7/8	**704184**	1
3/8 x 3/8	**704179**	1	1 x 1	**704185**	1
7/16 x 7/16	**704180**	1	--	---	-

Use to cut and fit your own machinery keys.

- **Machine cut corners are sharp and square.**
- **OUR keystock is engineered to eliminate backlash. Assures more efficient operation and longer life.**
- **Finished oversize for snug fit.**
- **Size marked on every bar.**
- **Parallel faces insure perfect fit.**
- **Tolerances: +.002 to -.000**
- **Handy 12" length.**
- **303 Stainless Steel.**



Sizes: 3/16" through 1/2"
Part No. 501709
11 pieces • 6 items
12116 steel tray

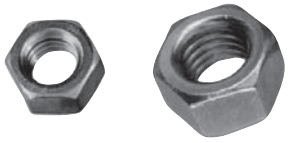
704176	**704178**	**704180**
704177	**704179**	**704181**

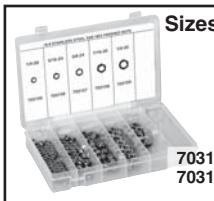
Numbers in assortment

18-8 STAINLESS STEEL HEX FINISHED NUTS

SIZE	PART NUMBER USS THREAD	SAE THREAD	WRENCH SIZE	HEIGHT	QTY
1/4	**703101**	**703155**	7/16	7/32	50
5/16	**703102**	**703156**	1/2	17/64	50
3/8	**703103**	**703157**	9/16	21/64	50
7/16	**703105**	**703158**	11/16	3/8	50
1/2	**703104**	**703159**	3/4	7/16	50
5/8	**703106**	---	15/16	35/64	50
3/4	**703107**	---	1-1/8	41/64	25
7/8	**703108**	---	1-5/16	3/4	10
1	**703109**	---	1-1/2	55/64	10

- **USS coarse and SAE fine threads.**





Sizes: 1/4" through 1/2"
SAE (FINE)
Part No. 705010
150 pieces • 5 items
12047 plastic tray

703155	**703157**	**703159**
703156	**703158**	

Numbers in assortment

18-8 STAINLESS STEEL HEX JAM NUTS

- **USS coarse threads.**



SIZE	PART NUMBER	WRENCH SIZE	HEIGHT	QTY
1/4	**703160**	7/16	5/32	50
5/16	**703161**	1/2	3/16	50
3/8	**703162**	9/16	7/32	50
7/16	**703163**	11/16	1/4	50
1/2	**703164**	3/4	5/16	50
5/8	**703165**	15/16	3/8	25
3/4	**703166**	1-1/8	27/64	25
7/8	**703167**	1-5/16	31/64	10
1	**703168**	1-1/2	35/64	10

18-8 STAINLESS STEEL KEPS NUTS



SIZE	PART NUMBER	QTY
10-24	**703178**	25
1/4-20	**703179**	25
5/16-18	**703196**	25
3/8-16	**703197**	25

18-8 STAINLESS STEEL FLANGE NUTS



SIZE	PART NUMBER	QTY
1/4-20	**703198**	25
5/16-18	**703199**	25
3/8-16	**703200**	25

STAINLESS STEEL

18-8 STAINLESS STEEL HEX MACHINE SCREW NUTS



Sizes: No. 4-40 through 1/4-20
USS (COARSE)
Part No. 705004
550 pieces • 6 items
12028 plastic tray

703125	703127	703129
703126	703128	703130

Numbers in assortment

● USS coarse threads.



SIZE	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
4-40	**703125**	1/4	3/32	100
6-32	**703126**	5/16	7/64	100
8-32	**703127**	11/32	1/8	100
10-24†	**703128**	3/8	1/8	100
10-32*†	**703129**	3/8	1/8	100
1/4-20	**703130**	7/16	3/16	100

*** SAE Fine thread.** **† 3/16 diameter.**

18-8 STAINLESS STEEL NYLON INSERT LOCK NUTS

SIZE	PART NO. USS COARSE	SIZE	PART NO. SAE FINE	WRENCH SIZE	HEIGHT	QTY
4-40	**703135**	--	---	1/4	.143	25
6-32	**703136**	--	---	5/16	.170	25
8-32	**703137**	--	---	11/32	.229	25
10-24*	**703138**	10-32*	**703139**	3/8	.239	25
1/4	**703140**	1/4	**703340**	7/16	5/16	25
5/16	**703141**	5/16	**703341**	1/2	11/32	25
3/8	**703142**	3/8	**703342**	9/16	29/64	25

SIZE	PART NO. USS COARSE	SIZE	PART NO. SAE FINE	WRENCH SIZE	HEIGHT	QTY
7/16	**703134**	7/16	**703334**	5/8	29/64	25
1/2	**703143**	1/2	**703343**	3/4	19/32	10
5/8	**703144**	5/8	---	15/16	3/4	10
3/4	**703145**	3/4	---	1-1/16	7/8	10
7/8	**703132**	--	---	1-1/4	63/64	5
1	**703133**	--	---	1-7/16	1-3/64	5

***3/16**



Sizes: No. 10-32 through 1/2"
SAE (FINE)
Part No. 705011
160 pieces • 6 items
12047 plastic tray

703139	703340	703342
703334	703341	703343

Numbers in assortment

Sizes: No. 4-40 through 3/4"
USS (COARSE)
Part No. 501357
385 pieces • 11 items
12061 steel tray

703135	703138	703141	703144
703136	703139	703142	703145
703137	703140	703143	

Numbers in assortment



18-8 STAINLESS STEEL HEAVY HEX NUTS



Sizes: 1/4" through 1"
USS (COARSE)
Part No. 501729
104 pieces • 9 items
12061 steel tray

703530	703533	703536
703531	703534	703537
703532	703535	703538

Numbers in assortment



SIZE	PART NO. USS COARSE	QTY	PART NO. SAE FINE	QTY	WRENCH SIZE	HEIGHT
1/4	**703530**	50	**703540**	50	1/2	15/64
5/16	**703531**	50	**703541**	50	9/16	19/64
3/8	**703532**	50	**703542**	50	11/16	23/64
7/16	**703533**	25	---	-	3/4	27/64
1/2	**703534**	25	**703543**	25	7/8	31/64
5/8	**703535**	10	---	-	1-1/16	39/64
3/4	**703536**	10	---	-	1-1/4	47/64
7/8	**703537**	5	---	-	1-7/16	55/64
1	**703538**	5	---	-	1-5/8	63/64

316 STAINLESS STEEL NYLON INSERT LOCK NUTS

● USS coarse threads.



SIZE	PART NO. USS COARSE	WRENCH SIZE	HEIGHT	QTY
1/4	**703510**	7/16	5/16	25
5/16	**703511**	1/2	11/32	25
3/8	**703512**	9/16	29/64	25
1/2	**703513**	3/4	19/32	10
5/8	**703514**	15/16	3/4	10
3/4	**703515**	1-1/16	7/8	10
7/8	**703516**	1-1/4	63/64	5
1	**703517**	1-7/16	1-3/64	5

316 STAINLESS STEEL HEX JAM NUTS



Sizes: 1/4" through 3/4"
USS (COARSE)
Part No. 705013
134 pieces • 6 items
12047 plastic tray

703520	703522	703524
703521	703523	703525

Numbers in assortment

● USS coarse threads.



SIZE	PART NO. USS COARSE	WRENCH SIZE	HEIGHT	QTY
1/4	**703520**	7/16	5/32	50
5/16	**703521**	1/2	3/16	50
3/8	**703522**	9/16	7/32	50
1/2	**703523**	3/4	5/16	50
5/8	**703524**	15/16	3/8	25
3/4	**703525**	1-1/8	27/64	25
7/8	**703526**	1-5/16	31/64	10
1	**703527**	1-1/2	35/64	10

STAINLESS STEEL

316 STAINLESS STEEL HEX FINISHED NUTS

SIZE	PART NUMBER	WRENCH SIZE	HEIGHT	QTY
1/4	**704205**	7/16	7/32	50
5/16	**704206**	1/2	17/64	50
3/8	**704207**	9/16	21/64	25
1/2	**704208**	3/4	7/16	25
5/8	**704209**	15/16	35/64	10
3/4	**704210**	1-1/8	41/64	10
7/8	**704211**	1-5/16	3/4	5
1	**704212**	1-1/2	55/64	5

- **USS coarse threads.**





Sizes: 1/4" through 3/4"
USS (COARSE)
Part No. 704200
139 pieces • 6 items
12047 plastic tray

704205 704207 704209
704206 704208 704210
Numbers in assortment

18-8 STAINLESS STEEL WING NUTS

SIZE	PART NUMBER	O/A WIDTH	O/A HEIGHT	QTY
6-32	**703146**	11/16	11/32	25
8-32	**703147**	13/16	13/32	25
10-24†	**703148**	13/16	13/32	25
10-32*†	**703149**	13/16	13/32	25
1/4	**703150**	1-1/16	1/2	25
5/16	**703151**	1-3/16	19/32	25
3/8	**703152**	1-3/8	11/16	25
1/2	**703153**	1-7/8	15/16	25
5/8	**703154**	2-11/16	1-3/8	10

***SAE Fine Thread** **†3/16**

- **USS coarse threads.**





Sizes: No. 6-32 through 5/16"
USS (COARSE)
Part No. 705006
85 pieces • 6 items
12032 plastic tray

703146 703148 703150
703147 703149 703151
Numbers in assortment

18-8 STAINLESS STEEL CAP/ACORN NUTS

SIZE	PART NUMBER	WRENCH SIZE	HEIGHT	QTY
4-40	**703114**	1/4	1/4	25
6-32	**703115**	5/16	19/64	25
8-32	**703116**	5/16	19/64	25
10-24†	**703117**	3/8	25/64	25
10-32*†	**703118**	3/8	25/64	25
1/4	**703119**	7/16	15/32	25

***SAE Fine Thread** **†3/16**

SIZE	PART NUMBER	WRENCH SIZE	HEIGHT	QTY
5/16	**703120**	9/16	17/32	25
3/8	**703121**	5/8	5/8	25
1/2	**703122**	3/4	13/16	25
5/8	**703123**	1	63/64	10
3/4	**703124**	1-1/16	1-1/16	10
--	**---**	--	--	-

- **USS coarse threads.**



18-8 STAINLESS STEEL TOOTHED LOCK WASHERS

– INTERNAL –

SIZE	PART NUMBER	QTY
4	**703180**	250
6	**703181**	250
8	**703182**	250
10	**703183**	250

SIZE	PART NUMBER	QTY
1/4	**703184**	250
5/16	**703185**	100
3/8	**703186**	100
1/2	**703187**	50

– EXTERNAL –

SIZE	PART NUMBER	QTY
4	**703188**	250
6	**703189**	250
8	**703190**	250
10	**703191**	250

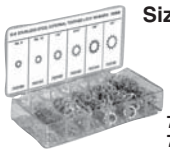
SIZE	PART NUMBER	QTY
1/4	**703192**	250
5/16	**703193**	100
3/8	**703194**	100
1/2	**703195**	50





Sizes: No. 8 through 1/2"
Part No. 705007
300 pieces • 6 items
12032 plastic tray

703182 703184 703186
703183 703185 703187
Numbers in assortment



Sizes: No. 8 through 1/2"
Part No. 705008
300 pieces • 6 items
12032 plastic tray

703190 703192 703194
703191 703193 703195
Numbers in assortment

18-8 STAINLESS STEEL FLAT WASHERS



SIZE	PART NUMBER	I.D.	O.D.	THICKNESS	QTY
4	**704121**	.125	5/16	1/32	100
6	**704122**	.149	3/8	1/32	100
8	**704123**	.174	3/8	1/32	100
10	**704124**	.203	7/16	1/16	100
12	**704134**	.250	9/16	.045	100
1/4	**704125**	.281	5/8	.050	100
5/16	**704126**	.337	3/4	.050	100

SIZE	PART NUMBER	I.D.	O.D.	THICKNESS	QTY
3/8	**704127**	25/64	7/8	.050	100
7/16	**704129**	1/2	1-1/8	1/16	100
1/2	**704128**	9/16	1-1/4	5/64	100
5/8	**704130**	11/16	1-1/2	5/64	50
3/4	**704131**	13/16	1-3/4	7/64	50
7/8	**704132**	15/16	2	7/64	50
1	**704133**	1-1/16	2	1/8	50

Sizes: No. 6 through 1"
Part No. 501355
1370 pieces • 12 items
12061 steel tray

704122 704125 704128 704131
704123 704126 704129 704132
704124 704127 704130 704133
Numbers in assortment

STAINLESS STEEL

316 STAINLESS STEEL FLAT WASHERS



Sizes: 1/4" through 3/4"
Part No. 704201
150 pieces • 6 items
12047 plastic tray

704215 704217 704219
704216 704218 704220

Numbers in assortment



SIZE	PART NUMBER	I.D.	O.D.	THICKNESS	QTY
1/4	**704215**	.281	5/8	.050	50
5/16	**704216**	.337	3/4	.050	50
3/8	**704217**	25/64	7/8	.050	50
1/2	**704218**	9/16	1-1/4	5/64	25
5/8	**704219**	11/16	1-1/2	5/64	25
3/4	**704220**	13/16	1-3/4	7/64	10
7/8	**704221**	15/16	2	7/64	10
1	**704222**	1-1/16	2	1/8	10

18-8 STAINLESS STEEL COUNTERSUNK FINISHING WASHERS



Part No. 704100
200 pieces • 4 items
12037 plastic tray

704115 704116 704117 704118

Numbers in assortment



SIZE	PART NUMBER	QTY
6	**704115**	100
8	**704116**	100
10	**704117**	100
1/4	**704118**	100

A13

18-8 STAINLESS STEEL SPLIT LOCK WASHERS

Sizes: No. 6 through 1"
Part No. 501354
1790 pieces • 12 items
12061 steel tray

704102 704105 704108 704111
704103 704106 704109 704112
704104 704107 704110 704113

Numbers in assortment



SIZE	PART NUMBER	QTY
4	**704101**	100
6	**704102**	100
8	**704103**	100
10	**704104**	100
12	**704114**	100
1/4	**704105**	100
5/16	**704106**	100

SIZE	PART NUMBER	QTY
3/8	**704107**	100
7/16	**704109**	100
1/2	**704108**	100
5/8	**704110**	50
3/4	**704111**	50
7/8	**704112**	50
1	**704113**	50

316 STAINLESS STEEL SPLIT LOCK WASHERS



SIZE	PART NUMBER	QTY
1/4	**704225**	50
5/16	**704226**	50
3/8	**704227**	25
1/2	**704228**	25
5/8	**704229**	10
3/4	**704230**	10
7/8	**704231**	5
1	**704232**	5

18-8 STAINLESS STEEL FENDER WASHERS



Part No. 501609
331 pieces • 14 items
12050 steel tray

704150 704154 704158 704162
704151 704155 704159 704163
704152 704156 704160
704153 704157 704161

Numbers in assortment

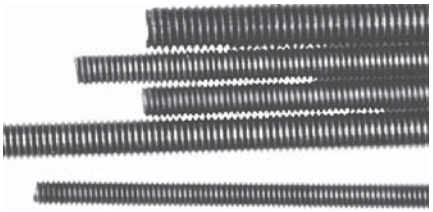


- **Designed for applications requiring large bearing surfaces.**

BOLT SIZE	O.D.	TH.	PART NUMBER	QTY
3/16	3/4	.045	**704150**	50
3/16	1	.045	**704151**	50
1/4	1	.045	**704152**	50
1/4	1-1/4	.045	**704153**	50
1/4	1-1/2	.062	**704154**	50
1/4	2	.062	**704155**	25
5/16	1-1/4	.045	**704156**	50

BOLT SIZE	O.D.	TH.	PART NUMBER	QTY
5/16	1-1/2	.062	**704157**	50
5/16	2	.062	**704158**	25
3/8	1-1/4	.045	**704159**	50
3/8	1-1/2	.062	**704160**	25
3/8	2	.062	**704161**	25
1/2	1-1/2	.062	**704162**	25
1/2	2	.062	**704163**	25

18-8 STAINLESS STEEL THREADED RODS



- **USS coarse threads.**
- **3 foot lengths.**

Now available in 3 & 6 foot lengths

SIZE	3 FT. PART NUMBER	6 FT. PART NUMBER
6-32	**705126**	---
8-32	**705127**	---
10-24†	**705128**	---
10-32*†	**705129**	---
1/4-20	**705130**	**705040**
5/16-18	**705131**	**705041**

SIZE	3 FT. PART NUMBER	6 FT. PART NUMBER
3/8-16	**705132**	**705042**
1/2-13	**705133**	**705043**
5/8-11	**705134**	**705044**
3/4-10	**705135**	**705045**
7/8-9	**705136**	**705046**
1-8	**705137**	**705047**

***SAE Fine Thread** **†3/16**

STAINLESS STEEL

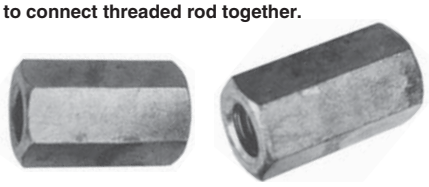
18-8 STAINLESS STEEL ROD COUPLING NUTS

SIZE	PART NUMBER	WRENCH SIZE	LENGTH	QTY
6-32	**705725**	5/16	1/2	10
8-32	**705726**	5/16	1/2	10
10-24	**705727**	3/8	3/4	10
10-32*	**705728**	3/8	3/4	10
1/4-20	**705729**	3/8	7/8	10
5/16-18	**705730**	7/16	1	10

SIZE	PART NUMBER	WRENCH SIZE	LENGTH	QTY
3/8-16	**705731**	1/2	1-1/8	10
1/2-13	**705732**	5/8	1-1/4	5
5/8-11	**705733**	7/8	1-3/4	5
3/4-10	**705734**	1	2	5
7/8-9	**705735**	1-1/4	2-1/2	2
1-8	**705736**	1-3/8	2-1/2	2

***SAE Fine Thread**

- **USS coarse threads*.**
- **Used to connect threaded rod together.**



HEX WASHER HEAD TEKS®

LENGTH	DIA. NO. 6 NO. 2 DRILL POINT PART NUMBER	GRIP MAX	QTY	DIA. NO. 8 NO. 2 DRILL POINT PART NUMBER	GRIP MAX	QTY	DIA. NO. 10 NO. 3 DRILL POINT PART NUMBER	GRIP MAX	QTY	DIA. NO. 12 NO. 3 DRILL POINT PART NUMBER	GRIP MAX	QTY	DIA. NO. 14 NO. 3 DRILL POINT PART NUMBER	GRIP MAX	QTY
3/8	**705350**	9/64	50	**705354**	11/64	50	**---**	--	-	**---**	--	-	**---**	--	-
1/2	**705351**	17/64	50	**705355**	1/4	50	**705360***	15/64	50	**---**	--	-	**---**	--	-
3/4	**705352**	25/64	50	**705356**	1/2	50	**705361**	13/32	50	**705365**	23/64	25	**705369**	19/64	25
1	**705353**	33/64	50	**705357**	3/4	50	**705362**	21/32	50	**705366**	5/16	25	**705370**	35/64	25
1-1/4	**---**	--	-	**705358**	1	50	**705363**	29/32	25	**705367**	53/64	25	**705371**	51/64	25
1-1/2	**---**	--	-	**705359**	1-1/4	50	**705364**	1-5/32	25	**705368**	1-5/64	25	**705372**	1-5/64	25
	1/4" Hex driver **Part No. 53510**			1/4" Hex driver **Part No. 53510**			5/16" Hex driver **Part No. 53511** *No. 2 drill point			5/16" Hex driver **Part No. 53511**			3/8" Hex driver **Part No. 53512**		

- **Drills and taps its own threads in materials up to 1/4" thick.**
- **Twist drill-like point.**
- **410 Stainless steel.**





Includes hex drivers
Part No. 501571
370 pieces • 26 items • 12017 steel tray

53510	**705350**	**705353**	**705356**	**705359**	**705362**	**705365**	**705368**	**705371**
53511	**705351**	**705354**	**705357**	**705360**	**705363**	**705366**	**705369**	**705372**
53512	**705352**	**705355**	**705358**	**705361**	**705364**	**705367**	**705370**	

Numbers in assortment

PAN PHILLIPS HEAD TEKS®



LENGTH	DIA. NO. 6 NO. 2 DRILL POINT PART NUMBER	GRIP MAX	QTY	DIA. NO. 8 NO. 2 DRILL POINT PART NUMBER	GRIP MAX	QTY	DIA. NO. 10 NO. 3 DRILL POINT PART NUMBER	GRIP MAX	QTY
3/8	**705375**	9/64	50	**705379**	9/64	50	**---**	--	-
1/2	**705376**	17/64	50	**705380**	1/4	50	**705385**	15/64	50
3/4	**705377**	25/64	50	**705381**	1/2	50	**705386**	13/32	50
1	**705378**	33/64	50	**705382**	3/4	50	**705387**	21/32	50
1-1/4	**---**	--	-	**705383**	1	50	**705388**	29/32	25
1-1/2	**---**	--	-	**705384**	1-1/4	50	**705389**	1-5/32	25
	#2 driver **Part No. 114317**			#2 driver **Part No. 114317**			#2 driver **Part No. 114317**		



Includes phillips power bits
Part No. 501572
241 pieces • 16 items
12050 steel tray

114317	**705378**	**705382**	**705386**
705375	**705379**	**705383**	**705387**
705376	**705380**	**705384**	**705388**
705377	**705381**	**705385**	**705389**

Numbers in assortment



Part No. 705303
120 pieces • 6 items
12028 plastic tray

705376	**705382**	**705387**
705380	**705384**	**705389**

Numbers in assortment

18-8 STAINLESS STEEL FLAT HEAD SLOTTED WOOD SCREWS



LENGTH	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 PART NUMBER	QTY
1/2	**705304**	100	**705307**	100	**705311**	-	**---**	-	**---**	-	**---**	-
3/4	**705305**	100	**705308**	100	**705312**	100	**705316**	100	**705320**	50	**---**	-
1	**705306**	100	**705309**	100	**705313**	100	**705317**	100	**705321**	50	**705324**	50
1-1/2	**---**	-	**705310**	100	**705314**	100	**705318**	100	**705322**	50	**705325**	50
2	**---**	-	**---**	-	**705315**	100	**705319**	50	**705323**	50	**705326**	50



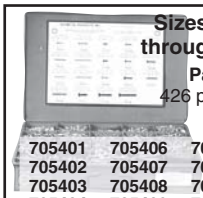
Sizes: No. 4 x 1/2" through No. 14 x 2"
Part No. 501366
825 pieces • 23 items
12017 steel tray

705304	**705310**	**705316**	**705322**
705305	**705311**	**705317**	**705323**
705306	**705312**	**705318**	**705324**
705307	**705313**	**705319**	**705325**
705308	**705314**	**705320**	**705326**
705309	**705315**	**705321**	

Numbers in assortment

STAINLESS STEEL

18-8 STAINLESS STEEL FLAT HEAD PHILLIPS WOOD SCREWS



Sizes: No. 4 x 1/2" through No. 12 x 2"
Part No. 501574
426 pieces • 19 items
12071 steel tray

705401	705406	705411	705416
705402	705407	705412	705417
705403	705408	705413	705418
705404	705409	705414	705419
705405	705410	705415	

Numbers in assortment



	DIA. NO. 4		DIA. NO. 6		DIA. NO. 8		DIA. NO. 10		DIA. NO. 12	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/2	705401	100	705404	100	705408	100	---	-	---	-
3/4	705402	100	705405	100	705409	50	705413	50	---	-
1	705403	100	705406	100	705410	50	705414	50	705417	50
1-1/2	---	-	705407	100	705411	50	705415	50	705418	50
2	---	-	---	-	705412	50	705416	50	705419	50

18-8 PAN HEAD SLOTTED SHEET METAL SCREWS



Sizes: No. 6 x 1/2" through No. 14 x 2"
Part No. 501365
1110 pieces • 19 items
12071 steel tray

705150	705155	705160	705165
705151	705156	705161	705166
705152	705157	705162	705167
705153	705158	705163	705168
705154	705159	705164	

Numbers in assortment

	DIA. NO. 4		DIA. NO. 6		DIA. NO. 8		DIA. NO. 10		DIA. NO. 12		DIA. NO. 14	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/4	705270	100	705276	100	---	-	---	-	---	-	---	-
3/8	705271	100	705277	100	705281	100	705284	100	---	-	---	-
1/2	705272	100	705150	100	705153	100	705157	100	705287	100	705293	50
5/8	705273	100	705278	100	705154	100	705158	100	705288	100	705294	50
3/4	705274	100	705151	100	705155	100	705159	100	705289	100	705295	50
1	705275	100	705152	100	705156	100	705160	100	705290	100	705296	50
1-1/4	---	-	705279	100	705282	100	705285	100	705291	100	705297	50
1-1/2	---	-	705280	100	705161	100	705163	100	705165	100	705167	50
1-3/4	---	-	---	-	705283	100	705286	100	705292	50	705298	50
2	---	-	---	-	705162	100	705164	50	705166	50	705168	50
2-1/2	---	-	---	-	---	-	---	-	705267	50	705299	50
3	---	-	---	-	---	-	---	-	705268	50	705269	50

18-8 PAN HEAD PHILLIPS SHEET METAL SCREWS



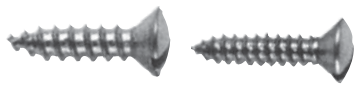
Sizes: No. 6 x 1/2" through No. 14 x 2"
Part No. 501362
1115 pieces • 20 items
12071 steel tray

705216	705221	705226	705231
705217	705222	705227	705232
705218	705223	705228	705233
705219	705224	705229	705234
705220	705225	705230	705235

Numbers in assortment

	DIA. NO. 4		DIA. NO. 6		DIA. NO. 8		DIA. NO. 10		DIA. NO. 12		DIA. NO. 14	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/4	705800	100	705806	100	---	-	---	-	---	-	---	-
3/8	705801	100	705807	100	705811	100	705815	100	---	-	---	-
1/2	705802	100	705216	100	705219	100	705224	100	705819	100	705823	50
5/8	705803	100	705808	100	705812	100	705816	100	705820	100	705824	50
3/4	705804	100	705217	100	705220	100	705225	100	705229	100	705825	50
1	705805	100	705218	100	705221	100	705226	100	705230	100	705233	50
1-1/4	---	-	705809	100	705813	100	705817	100	705821	100	705826	50
1-1/2	---	-	705810	100	705222	100	705227	100	705231	50	705234	50
1-3/4	---	-	---	-	705814	100	705818	100	705822	50	705827	50
2	---	-	---	-	705223	50	705228	100	705232	50	705235	50
2-1/2	---	-	---	-	---	-	---	-	705830	50	705828	50
3	---	-	---	-	---	-	---	-	705831	50	705829	50

18-8 OVAL HEAD SLOTTED SHEET METAL SCREWS



Sizes: No. 6 x 1/2" through No. 14 x 2"
Part No. 501517
1030 pieces • 19 items
12071 steel tray

705852	705859	705867	705876
705853	705861	705869	705880
705854	705862	705871	705882
705856	705864	705872	705884
705857	705865	705874	

Numbers in assortment

	DIA. NO. 6		DIA. NO. 8		DIA. NO. 10		DIA. NO. 12		DIA. NO. 14	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/2	705850	100	705854	100	705862	100	705870	100	---	-
5/8	705851	100	705855	100	705863	100	---	-	---	-
3/4	705852	100	705856	100	705864	100	705871	100	705879	50
1	705853	100	705857	100	705865	100	705872	100	705880	50
1-1/4	---	-	705858	100	705866	100	705873	100	705881	50
1-1/2	---	-	705859	100	705867	100	705874	50	705882	50
1-3/4	---	-	705860	100	705868	100	705875	50	705883	50
2	---	-	705861	50	705869	50	705876	50	705884	50
2-1/2	---	-	---	-	---	-	705877	50	705885	50
3	---	-	---	-	---	-	705878	50	705886	50

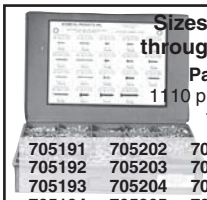
A13

STAINLESS STEEL

18-8 OVAL HEAD PHILLIPS SHEET METAL SCREWS



LENGTH	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 PART NUMBER	QTY
1/2	705330	100	705203	100	705206	100	705338	100	---	-
5/8	705331	100	705332	100	705335	100	705339	100	---	-
3/4	705201	100	705204	100	705207	100	705209	100	705195	50
1	705202	100	705205	100	705208	100	705210	100	705211	50
1-1/4	---	-	705333	100	705336	100	705340	100	705196	50
1-1/2	---	-	705212	100	705214	100	705191	50	705193	50
1-3/4	---	-	705334	100	705337	100	705341	50	705197	50
2	---	-	705213	50	705215	50	705192	50	705194	50
2-1/2	---	-	---	-	---	-	705342	50	705198	50
3	---	-	---	-	---	-	705343	50	705199	50



Sizes: No. 6 x 1/2" through No. 14 x 2"
Part No. 501363
1110 pieces • 19 items
12071 steel tray

705191	705202	705207	705212
705192	705203	705208	705213
705193	705204	705209	705214
705194	705205	705210	705215
705201	705206	705211	

Numbers in assortment

18-8 FLAT HEAD SLOTTED SHEET METAL SCREWS



LENGTH	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 PART NUMBER	QTY
1/2	706650	100	705175	100	705178	100	705182	100	---	-	---	-
5/8	706651	100	706654	100	706655	100	706657	100	---	-	---	-
3/4	706652	100	705176	100	705179	100	705183	100	705173	100	---	-
1	706653	100	705177	100	705180	100	705184	100	705174	100	705188	50
1-1/4	---	-	---	-	705181	100	705185	100	706659	100	706663	50
1-1/2	---	-	---	-	705169	100	705171	100	705186	100	705189	50
1-3/4	---	-	---	-	706656	100	706658	100	706660	50	706664	50
2	---	-	---	-	705170	100	705172	50	705187	50	705190	50
2-1/2	---	-	---	-	---	-	---	-	706661	50	706665	50
3	---	-	---	-	---	-	---	-	706662	50	706666	50

Sizes: No. 6 x 1/2" through No. 14 x 2"
Part No. 501364
1115 pieces • 20 items
12071 steel tray

705169	705174	705180	705186
705170	705175	705181	705187
705171	705176	705182	705188
705172	705177	705183	705188
705173	705178	705184	705190

Numbers in assortment

18-8 FLAT HEAD PHILLIPS SHEET METAL SCREWS



LENGTH	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 PART NUMBER	QTY
1/2	705675	100	705650	100	705653	100	705660	100	---	-	---	-
5/8	705676	100	705679	100	705654	100	705661	100	---	-	---	-
3/4	705677	100	705651	100	705655	100	705662	100	705667	100	---	-
1	705678	100	705652	100	705656	100	705663	100	705668	100	705671	50
1-1/4	---	-	---	-	705657	100	705664	100	705682	100	705686	50
1-1/2	---	-	---	-	705658	100	705665	100	705669	50	705672	50
1-3/4	---	-	---	-	705680	100	705681	100	705683	50	705687	50
2	---	-	---	-	705659	50	705666	50	705670	50	705673	50
2-1/2	---	-	---	-	---	-	---	-	705684	50	705688	50
3	---	-	---	-	---	-	---	-	705685	50	705689	50

Sizes: No. 6 x 1/2" through No. 14 x 2"
Part No. 501457
1115 pieces • 20 items
12071 steel tray

705650	705656	705662	705668
705651	705657	705663	705669
705652	705658	705665	705670
705653	705659	705666	705671
705655	705660	705667	705673

Numbers in assortment

18-8 TRUSS HEAD PHILLIPS SHEET METAL SCREWS



LENGTH	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 PART NUMBER	QTY
1/4	705925	100	---	-	---	-	---	-	---	-
3/8	705926	100	705930	100	---	-	---	-	---	-
1/2	705927	100	705931	100	705937	100	705943	100	---	-
5/8	---	-	705932	100	705938	100	---	-	---	-
3/4	705928	100	705933	100	705939	100	705944	100	---	-
1	705929	100	705934	100	705940	100	705945	100	705948	50
1-1/4	---	-	705935	100	705941	100	705946	100	705949	50
1-1/2	---	-	705936	100	705942	100	705947	50	705950	50
2	---	-	---	-	---	-	---	-	705951	50



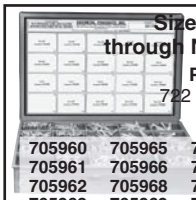
Sizes: No. 6 x 1/2" through No. 14 x 2"
Part No. 501573
1110 pieces • 19 items
12071 steel tray

705927	705934	705942	705948
705928	705936	705943	705949
705929	705937	705944	705950
705931	705939	705945	705951
705933	705940	705947	

Numbers in assortment

STAINLESS STEEL

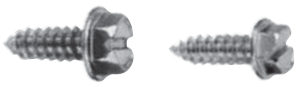
18-8 HEX SLOTTED WASHER HEAD SHEET METAL SCREWS



Sizes: No. 6 x 1/2" through No. 14 x 1-1/2"
Part No. 501716
722 pieces • 19 items
12071 steel tray

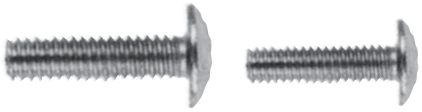
705960	705965	705972	705981
705961	705966	705974	705982
705962	705968	705975	705983
705963	705969	705976	705984
705964	705970	705978	

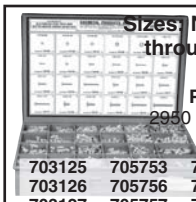
Numbers in assortment



LENGTH	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 PART NUMBER	QTY
1/2	705960	100	705963	100	705968	100	705974	50	705980	50
3/4	705961	100	705964	100	705969	100	705975	50	705981	50
1	705962	100	705965	100	705970	50	705976	50	705982	50
1-1/4	---	-	705966	100	705971	50	705977	50	705983	50
1-1/2	---	-	705967	100	705972	50	705978	50	705984	25
2	---	-	---	-	705973	50	705979	50	705985	25

18-8 TRUSS HEAD SLOTTED MACHINE SCREWS





Sizes: No. 4-40 x 1/4" through 1/4-20 x 2"
Includes hex nuts
Part No. 501714
2950 pieces • 24 items
12017 steel tray

703125	705753	705766	705788
703126	705756	705769	705790
703127	705757	705770	705791
703128	705758	705771	
703130	705762	705773	
705750	705763	705786	
705752	705764	705787	

Numbers in assortment

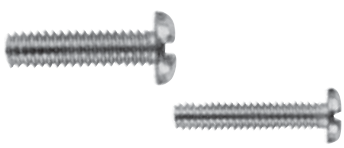
LENGTH	DIA. NO. 4-40 PART NUMBER	QTY	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-24 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	705750	100	705753	100	705759	100	705767	100	705777	100	---	-
5/16	---	-	705754	100	705760	100	---	-	---	-	---	-
3/8	705751	100	705755	100	705761	100	705768	100	705778	100	705785	50
1/2	705752	100	705756	100	705762	100	705769	100	705779	100	705786	50
3/4	---	-	705757	100	705763	100	705770	100	705780	100	705787	50
1	---	-	705758	100	705764	100	705771	50	705781	50	705788	50
1-1/4	---	-	---	-	705765	100	705772	50	705782	50	705789	50
1-1/2	---	-	---	-	705766	100	705773	50	705783	50	705790	25
2	---	-	---	-	---	-	705774	50	705784	50	705791	25
2-1/2	---	-	---	-	---	-	705775	25	---	-	705792	25
3	---	-	---	-	---	-	705776	25	---	-	705793	25

18-8 TRUSS HEAD PHILLIPS MACHINE SCREWS



LENGTH	DIA. NO. 4-40 PART NUMBER	QTY	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-24 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	705450	100	705453	100	705459	100	705467	100	705477	100	---	-
5/16	---	-	705454	100	705460	100	---	-	---	-	---	-
3/8	705451	100	705455	100	705461	100	705468	100	705478	100	705485	50
1/2	705452	100	705456	100	705462	100	705469	100	705479	100	705486	50
3/4	---	-	705457	100	705463	100	705470	100	705480	100	705487	50
1	---	-	705458	100	705464	100	705471	50	705481	50	705488	50
1-1/4	---	-	---	-	705465	100	705472	50	705482	50	705489	50
1-1/2	---	-	---	-	705466	100	705473	50	705483	50	705490	25
2	---	-	---	-	---	-	705474	50	705484	50	705491	25
2-1/2	---	-	---	-	---	-	705475	25	---	-	705492	25
3	---	-	---	-	---	-	705476	25	---	-	705493	25

18-8 PAN HEAD SLOTTED MACHINE SCREWS



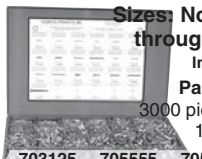
LENGTH	DIA. NO. 4-40 PART NUMBER	QTY	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-24 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	704300	100	704306	100	704314	100	704324	100	704334	100	---	-
3/8	704301	100	704307	100	704315	100	704325	100	704335	100	704344	100
1/2	704302	100	704308	100	704316	100	704326	100	704336	100	704345	100
5/8	704303	100	704309	100	704317	100	704327	100	704337	100	704346	100
3/4	704304	100	704310	100	704318	100	704328	100	704338	100	704347	100
1	704305	100	704311	100	704319	100	704329	100	704339	100	704348	100
1-1/4	---	-	704312	100	704320	100	704330	100	704340	100	704349	100
1-1/2	---	-	704313	100	704321	100	704331	100	704341	100	704350	50
1-3/4	---	-	---	-	704322	100	704332	100	704342	100	704351	50
2	---	-	---	-	704323	100	704333	100	704343	100	704352	50

STAINLESS STEEL

18-8 PAN HEAD PHILLIPS MACHINE SCREWS

LENGTH	DIA. NO. 4-40 PART NUMBER	QTY	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-24 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	705550	100	705556	100	705564	100	---	-	---	-	---	-
5/16	---	-	---	-	---	-	704239	100	704243	100	---	-
3/8	705551	100	705557	100	705565	100	705572	100	705580	100	705589	100
1/2	705552	100	705558	100	705566	100	705573	100	705581	100	705590	100
5/8	705553	100	705559	100	705567	100	705574	100	705582	100	705591	100
3/4	705554	100	705560	100	705568	100	705575	100	705583	100	705592	100
7/8	---	-	---	-	---	-	---	-	705584	100	705593	100
1	705555	100	705561	100	705569	100	705576	100	705585	100	705594	50
1-1/4	---	-	705562	100	705570	100	705577	100	705586	100	705595	50
1-1/2	---	-	705563	100	705571	100	705578	100	705587	100	705596	50
1-3/4	---	-	---	-	704237	100	704240	100	704244	100	704247	50
2	---	-	---	-	704238	100	705579	50	705588	50	705597	50
2-1/2	---	-	---	-	---	-	704241	50	704245	50	704248	50
3	---	-	---	-	---	-	704242	50	704246	50	704249	50





Sizes: No. 4-40 x 1/2" through 1/4-20 x 2"
Includes hex nuts
Part No. 501358
3000 pieces • 24 items
12017 steel tray

703125	705555	705571	705594
703126	705558	705573	705596
703127	705560	705575	705597
703128	705561	705576	
703130	705566	705578	
705552	705568	705590	
705554	705569	705592	

Numbers in assortment

A13

18-8 OVAL HEAD SLOTTED MACHINE SCREWS

LENGTH	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-24 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	704250	100	704256	100	---	-	---	-	---	-
3/8	704251	100	704257	100	704264	100	704272	100	---	-
1/2	704252	100	704258	100	704265	100	704273	100	704280	100
5/8	704253	100	704259	100	704266	100	704274	100	704281	100
3/4	704254	100	704260	100	704267	100	704275	100	704282	100
1	704255	100	704261	100	704268	100	704276	100	704283	100
1-1/4	---	-	704262	100	704269	100	704277	100	704284	50
1-1/2	---	-	704263	100	704270	100	704278	100	704285	50
2	---	-	---	-	704271	100	704279	100	704286	50



Sizes: No. 6-32 x 1/2" through 1/4-20 x 2"
Includes hex nuts
Part No. 501519
2395 pieces • 20 items
12071 steel tray

703126	704254	704263	704280
703127	704255	704265	704282
703128	704258	704267	704283
703130	704260	704268	704285
704252	704261	704270	704286

Numbers in assortment

18-8 OVAL HEAD PHILLIPS MACHINE SCREWS

LENGTH	DIA. NO. 4-40 PART NUMBER	QTY	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-24 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	705600	100	705606	100	705614	100	---	-	---	-	---	-
3/8	705601	100	705607	100	705615	100	705622	100	705630	100	705639	100
1/2	705602	100	705608	100	705616	100	705623	100	705631	100	705640	100
5/8	705603	100	705609	100	705617	100	705624	100	705632	100	705641	100
3/4	705604	100	705610	100	705618	100	705625	100	705633	100	705642	100
7/8	---	-	---	-	---	-	---	-	705634	100	705643	100
1	705605	100	705611	100	705619	100	705626	100	705635	100	705644	50
1-1/4	---	-	705612	100	705620	100	705627	100	705636	100	705645	50
1-1/2	---	-	705613	100	705621	100	705628	100	705637	100	705646	50
1-3/4	---	-	---	-	---	-	705141	100	705144	100	705147	50
2	---	-	---	-	---	-	705629	50	705638	50	705647	50
2-1/2	---	-	---	-	---	-	705142	50	705145	50	705148	50
3	---	-	---	-	---	-	705143	50	705146	50	705149	50



STAINLESS STEEL

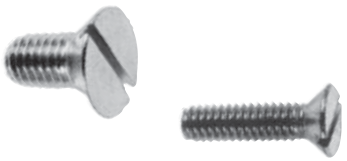
18-8 FLAT HEAD SLOTTED MACHINE SCREWS

LENGTH	DIA. NO. 4-40 PART NUMBER	QTY	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-24 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY	DIA. 3/8-16 PART NUMBER	QTY
1/4	**705500**	100	**705506**	100	**705514**	100	**704372**	100	**704376**	100	**---**	-	**---**	-	**---**	-
3/8	**705501**	100	**705507**	100	**705515**	100	**705522**	100	**705530**	100	**705538**	100	**---**	-	**---**	-
1/2	**705502**	100	**705508**	100	**705516**	100	**705523**	100	**705531**	100	**705539**	100	**---**	-	**---**	-
5/8	**705503**	100	**705509**	100	**705517**	100	**705524**	100	**705532**	100	**---**	-	**---**	-	**---**	-
3/4	**705504**	100	**705510**	100	**705518**	100	**705525**	100	**705533**	100	**705540**	100	**704383**	25	**704391**	25
1	**705505**	100	**705511**	100	**705519**	100	**705526**	100	**705534**	100	**705541**	100	**704384**	25	**704392**	25
1-1/4	**---**	-	**705512**	100	**705520**	100	**705527**	100	**705535**	100	**705542**	50	**704385**	25	**704393**	25
1-1/2	**---**	-	**705513**	100	**705521**	100	**705528**	100	**705536**	100	**705543**	50	**704386**	25	**704394**	25
1-3/4	**---**	-	**---**	-	**704370**	100	**704373**	100	**704377**	100	**704380**	50	**704387**	25	**704395**	25
2	**---**	-	**---**	-	**704371**	100	**705529**	100	**705537**	100	**705544**	50	**704388**	25	**704396**	25
2-1/2	**---**	-	**---**	-	**---**	-	**704374**	50	**704378**	50	**704381**	50	**704389**	25	**704397**	25
3	**---**	-	**---**	-	**---**	-	**704375**	50	**704379**	50	**704382**	50	**704390**	25	**704398**	25

Sizes: No. 4-40 x 1/2" through 1/4-20 x 2"
Includes hex nuts
Part No. 501360
3000 pieces • 24 items • 12017 steel tray

703125	**703128**	**705504**	**705510**	**705518**	**705523**	**705528**	**705541**
703126	**703130**	**705505**	**705511**	**705519**	**705525**	**705539**	**705543**
703127	**705502**	**705508**	**705516**	**705521**	**705526**	**705540**	**705544**

Numbers in assortment



18-8 FLAT HEAD PHILLIPS MACHINE SCREWS



Sizes: No. 4-40 x 1/4" through 1/4-20 x 2"
Includes hex nuts
Part No. 501456
3000 pieces • 24 items
12017 steel tray

703125	**706205**	**706221**	**706244**
703126	**706208**	**706223**	**706246**
703127	**706210**	**706225**	**706247**
703128	**706211**	**706226**	
703130	**706216**	**706228**	
706200	**706218**	**706240**	
706204	**706219**	**706242**	

Numbers in assortment

LENGTH	DIA. NO. 4-40 PART NUMBER	QTY	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-24 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	**706200**	100	**706206**	100	**706214**	100	**---**	-	**---**	-	**---**	-
3/8	**706201**	100	**706207**	100	**706215**	100	**706222**	100	**706230**	100	**706239**	100
1/2	**706202**	100	**706208**	100	**706216**	100	**706223**	100	**706231**	100	**706240**	100
5/8	**706203**	100	**706209**	100	**706217**	100	**706224**	100	**706232**	100	**706241**	100
3/4	**706204**	100	**706210**	100	**706218**	100	**706225**	100	**706233**	100	**706242**	100
7/8	**---**	-	**---**	-	**---**	-	**---**	-	**706234**	100	**706243**	100
1	**706205**	100	**706211**	100	**706219**	100	**706226**	100	**706235**	100	**706244**	50
1-1/4	**---**	-	**706212**	100	**706220**	100	**706227**	100	**706236**	100	**706245**	50
1-1/2	**---**	-	**706213**	100	**706221**	100	**706228**	100	**706237**	100	**706246**	50
2	**---**	-	**---**	-	**---**	-	**706229**	50	**706238**	50	**706247**	50

18-8 ROUND HEAD SLOTTED MACHINE SCREWS

LENGTH	DIA. NO. 4-40 PART NUMBER	QTY	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-24 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY
1/4	**704400**	100	**704403**	100	**704408**	100	**704414**	100	**704422**	100	**---**	-	**---**	-
3/8	**704401**	100	**704404**	100	**704409**	100	**704415**	100	**704423**	100	**704430**	100	**---**	-
1/2	**705101**	100	**705104**	100	**705107**	100	**705115**	100	**704424**	100	**705119**	100	**---**	-
5/8	**704402**	100	**704405**	100	**704410**	100	**704416**	100	**704425**	100	**704431**	100	**---**	-
3/4	**705102**	100	**705105**	100	**705108**	100	**705116**	100	**705111**	100	**705120**	100	**704436**	25
1	**705103**	100	**705106**	100	**705109**	100	**705117**	100	**705112**	100	**705121**	100	**704437**	25
1-1/4	**---**	-	**704406**	100	**704411**	100	**704417**	100	**704426**	100	**704432**	50	**---**	-
1-1/2	**---**	-	**704407**	100	**705110**	100	**705118**	100	**705113**	100	**705122**	50	**704438**	25
1-3/4	**---**	-	**---**	-	**704412**	100	**704418**	100	**704427**	100	**704433**	50	**---**	-
2	**---**	-	**---**	-	**704413**	100	**704419**	100	**705114**	100	**705123**	50	**704439**	25
2-1/2	**---**	-	**---**	-	**---**	-	**704420**	50	**704428**	50	**704434**	50	**704440**	25
3	**---**	-	**---**	-	**---**	-	**704421**	50	**704429**	50	**704435**	50	**704441**	25

Sizes: No. 4-40 x 1/2" through 1/4-20 x 2"
Includes hex nuts
Part No. 501361
3000 pieces • 24 items • 12017 steel tray

703125	**703128**	**705102**	**705105**	**705108**	**705115**	**705118**	**705121**
703126	**703130**	**705103**	**705106**	**705109**	**705116**	**705119**	**705122**
703127	**705101**	**705104**	**705107**	**705110**	**705117**	**705120**	**705123**

Numbers in assortment



STAINLESS STEEL

18-8 TRIMMED HEAD UNSLOTTED HEX MACHINE SCREWS



LENGTH	DIA. NO. 4-40 PART NUMBER	QTY	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-24 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY
1/4	**706150**	100	**706155**	100	**706162**	100	**---**	-	**---**	-
5/16	**706151**	100	**706156**	100	**706163**	100	**---**	-	**---**	-
3/8	**706152**	100	**706157**	100	**706164**	100	**706171**	100	**706179**	100
1/2	**706153**	100	**706158**	100	**706165**	100	**706172**	100	**706180**	100
5/8	**---**	-	**706159**	100	**706166**	100	**706173**	100	**706181**	100
3/4	**706154**	100	**706160**	100	**706167**	100	**706174**	100	**706182**	100
1	**---**	-	**706161**	100	**706168**	100	**706175**	50	**706183**	50
1-1/4	**---**	-	**---**	-	**706169**	50	**706176**	50	**706184**	50
1-1/2	**---**	-	**---**	-	**706170**	50	**706177**	50	**706185**	50
2	**---**	-	**---**	-	**---**	-	**706178**	50	**706186**	50



Sizes: No. 4-40 x 1/2" through No. 10-32 x 2"
Includes hex nuts
Part No. 501520
1180 pieces • 22 items
12017 steel tray

703125	**706158**	**706174**	**706186**
703126	**706160**	**706175**	
703127	**706161**	**706177**	
703128	**706165**	**706178**	
703129	**706167**	**706182**	
706153	**706168**	**706183**	
706154	**706170**	**706185**	

Numbers in assortment

A13

THUMB SCREWS

Perfect for applications that require hand tightening.

LENGTH	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-24 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY	DIA. 3/8-16 PART NUMBER	QTY
1/2	**705425**	10	**705427**	10	**705430**	10	**705433**	10	**705438**	5	**---**	-
3/4	**705426**	10	**705428**	10	**705431**	10	**705434**	10	**705439**	5	**705443**	5
1	**---**	-	**705429**	10	**705432**	10	**705435**	10	**705440**	5	**705444**	5
1-1/4	**---**	-	**---**	-	**---**	-	**705436**	10	**705441**	5	**705445**	5
1-1/2	**---**	-	**---**	-	**---**	-	**705437**	10	**705442**	5	**705446**	5
2	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**705447**	5

- **High quality 18-8 stainless steel.**
- **Precision rolled threads.**
- **Flattened head for easy grip.**



300 SERIES STAINLESS STEEL (18-8) CLEVIS PINS

Landscape, scaffolding, construction equipment, automotive, RV, truck and fleet, maintenance, agriculture and mining.

LENGTH	DIA. 3/16 3/32 hole size PART NUMBER	QTY	DIA. 1/4 3/32 hole size PART NUMBER	QTY	DIA. 5/16 5/32 hole size PART NUMBER	QTY	DIA. 3/8 5/32 hole size PART NUMBER	QTY	DIA. 1/2 5/32 hole size PART NUMBER	QTY
1/2	**706301**	5	**706308**	5	**706315**	5	**---**	-	**---**	-
3/4	**706302**	5	**706309**	5	**706316**	5	**706322**	5	**---**	-
1	**706303**	5	**706310**	5	**706317**	5	**706323**	5	**706329**	5
1-1/4	**706304**	5	**706311**	5	**706318**	5	**706324**	5	**---**	-
1-1/2	**706305**	5	**706312**	5	**706319**	5	**706325**	5	**706330**	5
1-3/4	**706306**	5	**706313**	5	**706320**	5	**706326**	5	**---**	-
2	**706307**	5	**706314**	5	**706321**	5	**706327**	5	**706331**	5
2-1/2	**---**	-	**---**	-	**---**	-	**706328**	5	**706332**	5
3	**---**	-	**---**	-	**---**	-	**---**	-	**706333**	5

- **Meets SAE specifications.**

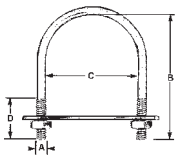


18-8 STAINLESS STEEL U-BOLTS

For supporting pipes, supply lines, posts, logs, etc.

"A" DIAMETER & THREAD	PART NUMBER	QTY	"B" OVERALL LENGTH	"C" WIDTH BET. LEGS	"D" THREAD LENGTH	FITS PIPE SIZE
1/4-20	**704190**	2	2-3/4	3/4	2	3/8
1/4-20	**704191**	2	1-3/4	1	1	1/2
1/4-20	**704192**	2	2-1/2	1-1/8	1-1/2	3/4
1/4-20	**704193**	2	2-3/4	1-3/8	1-3/4	1
5/16-18	**704194**	2	2-1/2	1-3/8	1-1/4	1
5/16-18	**704195**	2	4-1/4	1-3/4	2-1/2	1-1/4
5/16-18	**704196**	2	4-11/16	2	2-3/4	1-1/2
5/16-18	**704197**	2	5-3/16	2-1/2	3	2

- **Complete with flat strap and (2) hex nuts.**
- **Coarse thread.**
- **Ideal for corrosive and caustic environments.**



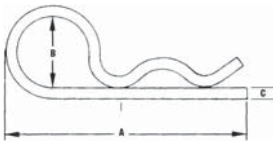


302 SERIES STAINLESS STEEL HAIR PIN COTTERS

Used to secure clevis pins, headless pins, hitch pins, etc.

PART NUMBER	QTY	"C" WIRE DIA.	"A" OVERALL LENGTH	"B" EYE I.D.	USE ON SHAFT SIZE
706145	25	.042	15/16	1/4	3/16-1/4
706146	25	.0585	1-1/8	1/4	1/4-5/16
706147	25	.0725	1-7/16	5/16	5/16-3/8
706148	10	.0915	1-7/8	11/16	3/8-7/16
706149	10	.1480	2-11/16	25/32	1/2-3/4

- **Insert straight side through holes, bent side provides spring retention.**





STAINLESS STEEL and BRASS

18-8 STAINLESS COTTER PINS



Sizes: 3/64" x 3/16" dia. through 2-1/2" lengths
Part No. 501367
1250 pieces • 20 items
12071 steel tray

706101	706109	706116	706125
706102	706110	706120	706128
706103	706112	706121	706130
706105	706114	706122	706132
706106	706115	706124	706135

Numbers in assortment

● Extended prong.

LENGTH	DIA. 3/64 PART NUMBER	QTY	DIA. 1/16 PART NUMBER	QTY	DIA. 3/32 PART NUMBER	QTY	DIA. 1/8 PART NUMBER	QTY	DIA. 5/32 PART NUMBER	QTY	DIA. 3/16 PART NUMBER	QTY
1/2	---	-	706104	100	706110	100	706118	100	---	-	---	-
3/4	706101	100	706105	100	706111	100	706119	100	706127	50	---	-
1	706102	100	706106	-	706112	100	706120	100	706128	50	706135	25
1-1/4	---	-	---	-	706113	100	706121	50	706129	50	---	-
1-1/2	706103	100	706107	100	706114	100	706122	50	706130	50	706136	25
1-3/4	---	-	706108	100	706115	100	706123	50	706131	50	---	-
2	---	-	706109	100	706116	100	706124	50	706132	50	706137	25
2-1/2	---	-	---	-	706117	100	706125	50	706133	25	706138	25
3	---	-	---	-	---	-	706126	50	706134	25	706139	25
3-1/2	---	-	---	-	---	-	---	-	---	-	706140	25
4	---	-	---	-	---	-	---	-	---	-	706141	25

BRASS FLAT HEAD SLOTTED WOOD SCREWS

LENGTH	DIA. NO. 2 PART NUMBER	QTY	DIA. NO. 3 PART NUMBER	QTY	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 5 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 7 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 9 PART NUMBER	QTY
1/4	53411	100	55103	-	---	-	---	-	---	-	---	-	---	-	---	-
3/8	55100	100	55104	100	55108	100	55110	100	55115	100	---	-	---	-	---	-
1/2	53413	100	55105	100	53416	100	55111	100	53425	100	---	-	53437	100	---	-
5/8	55101	100	55106	100	55109	100	55112	100	55116	100	55118	100	55123	100	---	-
3/4	55102	100	55107	100	53419	100	55113	100	53428	100	55119	100	53439	100	55126	100
1	---	-	---	-	53422	100	55114	100	53431	100	55120	100	53442	100	55127	100
1-1/4	---	-	---	-	---	-	---	-	55117	100	55121	100	55124	100	55128	100
1-1/2	---	-	---	-	---	-	---	-	53434	100	55122	100	53445	50	55129	50
1-3/4	---	-	---	-	---	-	---	-	---	-	---	-	55125	50	55130	50
2	---	-	---	-	---	-	---	-	---	-	---	-	53448	50	55131	50
2-1/2	---	-	---	-	---	-	---	-	---	-	---	-	---	-	---	-
3	---	-	---	-	---	-	---	-	---	-	---	-	---	-	---	-



LENGTH	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 PART NUMBER	QTY
3/4	53451	100	55136	100	---	-
1	53454	100	53463	50	55141	50
1-1/4	55132	50	55137	50	55142	50
1-1/2	53457	50	53465	50	55143	50
1-3/4	55133	50	55138	50	55144	50
2	53460	50	53467	50	55145	25
2-1/2	55134	25	55139	25	55146	25
3	55135	25	55140	25	55147	25

BRASS OVAL HEAD SLOTTED WOOD SCREWS

LENGTH	DIA. NO. 2 PART NUMBER	QTY	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 PART NUMBER	QTY
1/4	53469	100	---	-	---	-	---	-	---	-	---	-	---	-
3/8	53470	100	53472	100	53474	100	---	-	---	-	---	-	---	-
1/2	53471	100	53418	100	53427	100	53477	100	---	-	---	-	---	-
5/8	---	-	53473	100	53475	100	53478	100	---	-	---	-	---	-
3/4	---	-	53421	100	53430	100	53441	100	53453	100	---	-	---	-
1	---	-	53424	100	53433	100	53444	100	53456	100	53484	50	53491	50
1-1/4	---	-	---	-	53476	100	53479	50	53481	50	53485	50	53492	50
1-1/2	---	-	---	-	53436	100	53447	50	53459	50	53486	50	53493	50
1-3/4	---	-	---	-	---	-	53480	50	53482	50	53487	50	53494	50
2	---	-	---	-	---	-	53450	50	53462	50	53488	50	53495	25
2-1/2	---	-	---	-	---	-	---	-	53483	25	53489	25	53496	25
3	---	-	---	-	---	-	---	-	---	-	53490	25	53497	25

Sizes: No. 4 x 1/2" through No. 14 x 2"
Part No. 501523
600 pieces • 22 items • 12017 steel tray

53418	53427	53436	53447	53456	53477	53488	53495
53421	53430	53441	53450	53459	53484	53491	
53424	53433	53444	53453	53462	53486	53493	

Numbers in assortment



BRASS

BRASS ROUND HEAD SLOTTED WOOD SCREWS

LENGTH	DIA. NO. 2 PART NUMBER	QTY	DIA. NO. 3 PART NUMBER	QTY	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 5 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 7 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 9 PART NUMBER	QTY
1/4	53412	100	55153	-	53415	100	---	-	---	-	---	-	---	-	---	-
3/8	55150	100	55154	100	55158	100	55160	100	55165	100	---	-	---	-	---	-
1/2	53414	100	55155	100	53417	100	55161	100	53426	100	---	-	53438	100	---	-
5/8	55151	100	55156	100	55159	100	55162	100	55166	100	55168	100	55173	100	---	-
3/4	55152	100	55157	100	53420	100	55163	100	53429	100	55169	100	53440	100	55176	100
1	---	-	---	-	53423	100	55164	100	53432	100	55170	100	53443	100	55177	100
1-1/4	---	-	---	-	---	-	---	-	55167	100	55171	100	55174	100	55178	100
1-1/2	---	-	---	-	---	-	---	-	53435	100	55172	100	53446	50	55179	50
1-3/4	---	-	---	-	---	-	---	-	---	-	---	-	55175	50	55180	50
2	---	-	---	-	---	-	---	-	---	-	---	-	53449	50	55181	50
2-1/2	---	-	---	-	---	-	---	-	---	-	---	-	---	-	---	-
3	---	-	---	-	---	-	---	-	---	-	---	-	---	-	---	-

LENGTH	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 PART NUMBER	QTY
3/4	53452	100	55186	100	---	-
1	53455	100	53464	50	55191	50
1-1/4	55182	50	55187	50	55192	50
1-1/2	53458	50	53466	50	55193	50
1-3/4	55183	50	55188	50	55194	50
2	53461	50	53468	50	55195	25
2-1/2	55184	25	55189	25	55196	25
3	55185	25	55190	25	55197	25



BRASS OVAL HEAD SLOTTED MACHINE SCREWS

LENGTH	DIA. NO. 4-40 PART NUMBER	QTY	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-24 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. NO. 12-24 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	405550	100	405555	100	405562	100	405570	100	---	-	---	-	---	-
3/8	405551	100	405556	100	405563	100	405571	100	405579	100	---	-	---	-
1/2	405552	100	405557	100	405564	100	405572	100	405580	100	405586	50	405591	50
3/4	405553	100	405558	100	405565	100	405573	100	405581	100	405587	50	405592	50
1	405554	100	405559	100	405566	100	405574	100	405582	100	405588	50	405593	50
1-1/4	---	-	405560	100	405567	100	405575	50	405583	50	---	-	405594	25
1-1/2	---	-	405561	100	405568	50	405576	50	405584	50	405589	50	405595	25
2	---	-	---	-	405569	50	405577	50	405585	50	405590	50	405596	25
2-1/2	---	-	---	-	---	-	---	-	---	-	---	-	405597	25



Sizes: No. 6-32 x 3/8" through 1/4-20 x 2"
Part No. 706003
165 pieces • 12 items • 12027 plastic tray

405556	405559	405565	405572	405576	405595
405557	405564	405566	405574	405593	405596

Numbers in assortment

BRASS FLAT HEAD SLOTTED MACHINE SCREWS

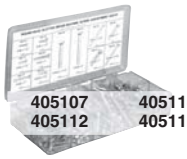


LENGTH	DIA. NO. 4-40 PART NUMBER	QTY	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-24 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. NO. 12-24 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	405500	100	405505	100	405507	100	405512	100	405514	100	---	-	---	-
3/8	405501	100	405160	100	405508	100	405513	100	405515	100	---	-	---	-
1/2	405502	100	405161	100	405165	100	405168	100	405174	100	405516	50	405521	50
3/4	405503	100	405162	100	405166	100	405169	100	405175	100	405517	50	405180	50
1	405504	100	405163	100	405167	100	405170	100	405176	100	405518	50	405181	50
1-1/4	---	-	405164	100	405509	100	405171	50	405177	50	---	-	405182	25
1-1/2	---	-	405506	100	405510	100	405172	50	405178	50	405519	50	405183	25
2	---	-	---	-	405511	50	405173	50	405179	50	405520	25	405184	25
2-1/2	---	-	---	-	---	-	---	-	---	-	---	-	405185	25

BRASS

BRASS ROUND HEAD SLOTTED MACHINE SCREWS

LENGTH	DIA. NO. 4-40 PART NUMBER	QTY	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-24 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. NO. 12-24 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
3/16	**405152**	100	**405154**	100	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
1/4	**405106**	100	**405110**	100	**405116**	100	**405124**	100	**405132**	100	**---**	-	**---**	-
3/8	**405153**	100	**405111**	100	**405117**	100	**405125**	100	**405133**	100	**---**	-	**---**	-
1/2	**405107**	100	**405112**	100	**405118**	100	**405126**	100	**405134**	100	**405140**	50	**405145**	50
5/8	**---**	-	**---**	-	**405156**	100	**405157**	100	**405158**	100	**---**	-	**---**	-
3/4	**405108**	100	**405113**	100	**405119**	100	**405127**	100	**405135**	100	**405141**	50	**405146**	50
1	**405109**	100	**405114**	100	**405120**	100	**405128**	100	**405136**	100	**405142**	50	**405147**	50
1-1/4	**---**	-	**405155**	100	**405121**	100	**405129**	50	**405137**	50	**---**	-	**405148**	25
1-1/2	**---**	-	**405115**	100	**405122**	50	**405130**	50	**405138**	50	**405143**	50	**405149**	25
2	**---**	-	**---**	-	**405123**	50	**405131**	50	**405139**	50	**405144**	25	**405150**	25
2-1/2	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**405151**	25



Sizes: No. 4-40 x 1/2" through 1/4-20 x 2"
Part No. 405101
165 pieces • 12 items • 12027 plastic tray

405107	**405114**	**405120**	**405126**	**405130**	**405149**
405112	**405118**	**405122**	**405128**	**405147**	**405150**

Numbers in assortment



BRASS FLAT & ROUND HEAD SLOTTED MACHINE SCREWS w/NUTS



Part No. 405103
550 pieces • 30 items • 12062 steel tray

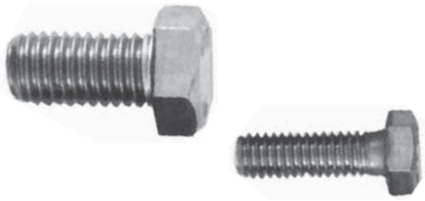
403104	**403110**	**405114**	**405126**	**405149**	**405163**	**405168**	**405183**
403105	**405107**	**405118**	**405128**	**405150**	**405165**	**405170**	**405184**
403106	**405110**	**405120**	**405130**	**405160**	**405166**	**405172**	
403107	**405112**	**405122**	**405147**	**405161**	**405167**	**405181**	

Numbers in assortment



BRASS HEX HEAD CAP SCREWS

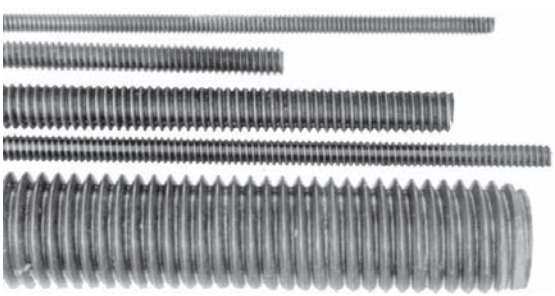
- **USS coarse threads.**



LENGTH	DIA. 1/4 PART NUMBER	QTY	DIA. 5/16 PART NUMBER	QTY	DIA. 3/8 PART NUMBER	QTY	DIA. 1/2 PART NUMBER	QTY
1/2	**706700**	50	**706708**	50	**706716**	50	**---**	-
3/4	**706701**	50	**706709**	50	**706717**	50	**---**	-
1	**706702**	50	**706710**	50	**706718**	50	**706724**	25
1-1/4	**706703**	50	**706711**	50	**706719**	50	**706725**	25
1-1/2	**706704**	50	**706712**	50	**706720**	50	**706726**	25
2	**706705**	50	**706713**	50	**706721**	25	**706727**	25
2-1/2	**706706**	50	**706714**	50	**706722**	25	**706728**	10
3	**706707**	50	**706715**	50	**706723**	25	**706729**	10

BRASS FULLY THREADED RODS

- **USS Coarse Threads.**
- **3 foot lengths.**



DIA.	PART NUMBER
6-32	**705702**
8-32	**705703**
10-24†	**705704**
10-32*†	**705705**
1/4-20	**705706**

DIA.	PART NUMBER
5/16-18	**705707**
3/8-16	**705708**
7/16-14	**705709**
1/2-13	**705710**
5/8-11	**705711**

DIA.	PART NUMBER
3/4-10	**705712**
7/8-9	**705713**
1-8	**705714**

*** SAE Fine thread** **† 3/16" diameter**

Sizes: No. 6-32 through 1/2" dia.
Part No. 705701
8 pieces • 8 items

705702	**705703**	**705704**	**705705**	**705706**	**705707**	**705708**	**705710**

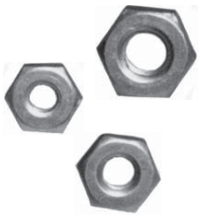
Numbers in assortment

BRASS

BRASS HEX MACHINE SCREW NUTS

SIZE	PART NUMBER	WRENCH SIZE	HEIGHT	QTY
4-40	**403104**	1/4	3/32	100
6-32	**403105**	5/16	7/64	100
8-32	**403106**	11/32	1/8	100
10-24†	**403107**	3/8	1/8	100
10-32*†	**403108**	3/8	1/8	100
12-24	**403109**	7/16	5/32	50
1/4-20	**403110**	7/16	3/16	50
1/4-28*	**403111**	7/16	3/16	50

***SAE Fine Thread** **†3/16**





Sizes: No. 6-32 through 1/4-20
Part No. 403101
160 pieces • 6 items • 12032 plastic tray

403105 **403107** **403109**
403106 **403108** **403110**

Numbers in assortment

BRASS FINISHED HEX NUTS

SIZE	USS COARSE PART NUMBER	SAE FINE PART NUMBER	WRENCH SIZE	HEIGHT	QTY
1/4	**51176**	**51177**	7/16	7/32	50
5/16	**51178**	**51179**	1/2	17/64	50
3/8	**51180**	**51181**	9/16	11/32	50
7/16	**51182**	**51183**	11/16	3/8	50
7/16*	**51190**	**51185**	5/8	3/8	50
1/2	**51184**	**51187**	3/4	7/16	24
5/8	**51172**	**51173**	15/64	35/64	24
3/4	**51174**	**51175**	1-1/8	41/64	24

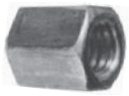
***Undersized**

- **USS coarse & SAE fine threads.**



BRASS USS HI-NUTS

SIZE	PART NUMBER	WRENCH SIZE	HEIGHT	QTY
3/8	**51186**	9/16	5/8	50



BRASS FLAT WASHERS





SIZE	PART NUMBER	I.D.	O.D.	THICKNESS	QTY
4	**504244**	.118	9/32	.025	100
6	**504245**	.148	5/16	.025	100
8	**504246**	.172	7/16	.036	100
10 (3/16)	**504201**	.195	7/16	.036	50
10 (3/16)	**504202**	.200	1/2	.040	50
12 (7/32)	**504203**	.228	1/2	.040	50
12 (7/32)	**504204**	.228	9/16	.040	50
14 (1/4)	**504205**	.260	9/16	.040	50
14 (1/4)	**504206**	.260	11/16	.051	50

SIZE	PART NUMBER	I.D.	O.D.	THICKNESS	QTY
16	**504207**	.280	5/8	.040	25
18	**504208**	.312	11/16	.051	25
5/16	**504247**	.336	7/8	.064	25
3/8	**504209**	.391	1	.081	25
7/16	**504248**	1/2	1-1/8	.081	25
1/2	**504210**	9/16	1-1/4	.091	25
5/8	**504211**	11/16	1-1/2	.102	25
5/8	**504217**	11/16	1-3/4	.102	25
3/4	**504249**	13/16	1-7/8	.114	10



Sizes: No. 10 through 5/8"
Part No. 504013
343 pieces • 11 items
12038 plastic tray

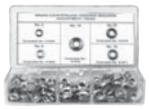
504201 **504204** **504207** **504210**
504202 **504205** **504208** **504211**
504203 **504206** **504209**

Numbers in assortment

BRASS COUNTERSUNK FINISHING WASHERS

SIZE	PART NUMBER	QTY
6	**51068**	100
8	**51069**	100
10	**51070**	100
12	**51071**	100
14	**51072**	100





Part No. 706004
250 pieces • 5 items
12033 plastic tray

51068 **51070** **50172**
51069 **51071**

Numbers in assortment

BRASS NICKEL PLATED FINISHING WASHERS

SCREW SIZE	PART NUMBER FLUSH	PART NUMBER COUNTERSUNK	QTY
No. 4	---	**51059**	250
No. 6	---	**51063**	250
No. 8	**51061**	**51064**	250
No. 10	**51062**	**51065**	250
No. 12	---	**51066**	250
No. 14(1/4)	---	**51067**	250

- **Brass nickel plated to prevent corrosion.**
- **Use on headliners, trim, door panels, etc.**





Sizes: No. 6 through 1/4"
Part No. 51060
400 pieces • 7 items
12035 plastic tray

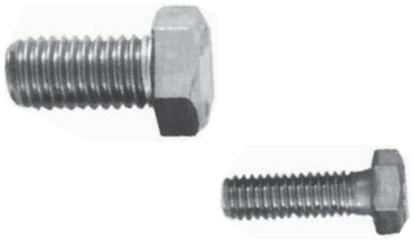
51061 **51063** **51065** **51067**
51062 **51064** **51066**

Numbers in assortment

SILICON BRONZE and NYLON

SILICONE BRONZE HEX HEAD CAP SCREWS

- **USS coarse threads.**
- **High resistance to corrosion due to temperature, seawage, gases and sewage.**



	DIA. 1/4-20		DIA. 5/16-18		DIA. 3/8-16		DIA. 1/2-13	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/2	**706750**	25	**706759**	25	**706768**	25	**---**	-
3/4	**706751**	25	**706760**	25	**706769**	25	**---**	-
1	**706752**	25	**706761**	25	**706770**	25	**706777**	10
1-1/4	**706753**	25	**706762**	25	**706771**	25	**706778**	10
1-1/2	**706754**	25	**706763**	25	**706772**	10	**706779**	10
1-3/4	**706755**	25	**706764**	25	**706773**	10	**706780**	10
2	**706756**	25	**706765**	10	**706774**	10	**706781**	10
2-1/2	**706757**	25	**706766**	10	**706775**	10	**706782**	5
3	**706758**	25	**706767**	10	**706776**	10	**706783**	5
3-1/2	**---**	-	**---**	-	**---**	-	**706784**	5
4	**---**	-	**---**	-	**---**	-	**706785**	5

SILICONE BRONZE FINISHED HEX NUTS

- **USS coarse threads.**



SIZE	PART NUMBER	WRENCH SIZE	HEIGHT	QTY
1/4	**706786**	7/16	7/32	25
5/16	**706787**	1/2	17/64	25
3/8	**706788**	9/16	21/64	25
1/2	**706789**	3/4	7/16	10

SILICONE BRONZE FLAT WASHERS



SIZE	PART NUMBER	I.D.	O.D.	THICKNESS	QTY
1/4	**706794**	.260	11/16	.040	25
5/16	**706795**	.336	7/8	.064	25
3/8	**706796**	.395	1	.064	25
1/2	**706797**	9/16	1-1/4	.091	10

SILICONE BRONZE SPLIT LOCK WASHERS



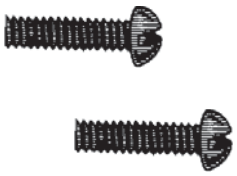
SIZE	PART NUMBER	QTY
1/4	**706790**	25
5/16	**706791**	25
3/8	**706792**	25
1/2	**706793**	10

NYLON MACHINE SCREWS

Excellent electrical insulation and corrosion resistance.

- **Molded of Type 6/6 nylon.**
- **Natural color.**
- **Resists common solvents, alkalies, dilute mineral acids and most organic acids.**

ROUND HEAD SLOTTED



	DIA. NO. 4-40		DIA. NO. 6-32		DIA. NO. 8-32		DIA. NO. 10-24		DIA. NO. 10-32		DIA. 1/4-20	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/4	**506500**	100	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
3/8	**506501**	100	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
1/2	**506502**	100	**506505**	100	**506511**	100	**506517**	100	**506520**	100	**---**	-
5/8	**---**	-	**506506**	100	**506512**	100	**---**	-	**506521**	100	**---**	-
3/4	**506503**	100	**506507**	100	**506513**	100	**506518**	100	**506522**	100	**506526**	100
1	**506504**	100	**506508**	100	**506514**	100	**506519**	100	**506523**	100	**506527**	100
1-1/4	**---**	-	**506509**	100	**506515**	100	**---**	-	**506524**	100	**506528**	100
1-1/2	**---**	-	**506510**	100	**506516**	100	**---**	-	**506525**	100	**506529**	100
2	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**506530**	100

NYLON

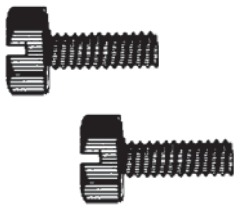
NYLON PAN HEAD SLOTTED

LENGTH	DIA. NO. 4-40 PART NUMBER	QTY	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-24 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	**506540**	100	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
3/8	**506541**	100	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
1/2	**506542**	100	**506545**	100	**506551**	100	**506557**	100	**506559**	100	**---**	-
5/8	**---**	-	**506546**	100	**506552**	100	**---**	-	**506560**	100	**---**	-
3/4	**506543**	100	**506547**	100	**506553**	100	**---**	-	**506561**	100	**506565**	100
1	**506544**	100	**506548**	100	**506554**	100	**506558**	100	**506562**	100	**506566**	100
1-1/4	**---**	-	**506549**	100	**506555**	100	**---**	-	**506563**	100	**506567**	100
1-1/2	**---**	-	**506550**	100	**506556**	100	**---**	-	**506564**	100	**506568**	100
2	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**506569**	100



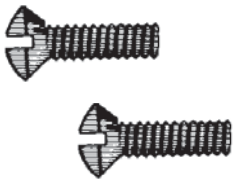
NYLON HEX HEAD SLOTTED

LENGTH	DIA. NO. 4-40 PART NUMBER	QTY	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-24 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	**506620**	100	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
3/8	**506621**	100	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
1/2	**506622**	100	**506625**	100	**506630**	100	**506636**	100	**506639**	100	**---**	-
5/8	**---**	-	**506626**	100	**506631**	100	**---**	-	**506640**	100	**---**	-
3/4	**506623**	100	**506627**	100	**506632**	100	**506637**	100	**506641**	100	**506645**	100
1	**506624**	100	**506628**	100	**506633**	100	**506638**	100	**506642**	100	**506646**	100
1-1/4	**---**	-	**506629**	100	**506634**	100	**---**	-	**506643**	100	**506647**	100
1-1/2	**---**	-	**---**	-	**506635**	100	**---**	-	**506644**	100	**506648**	100
2	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**506649**	100



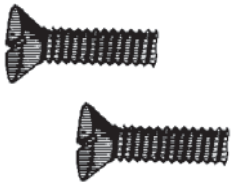
NYLON OVAL HEAD SLOTTED

LENGTH	DIA. NO. 4-40 PART NUMBER	QTY	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	**506575**	100	**---**	-	**---**	-	**---**	-	**---**	-
3/8	**506576**	100	**---**	-	**---**	-	**---**	-	**---**	-
1/2	**506577**	100	**506579**	100	**506583**	100	**506587**	100	**---**	-
5/8	**---**	-	**506580**	100	**506584**	100	**506588**	100	**---**	-
3/4	**506578**	100	**506581**	100	**506585**	100	**506589**	100	**506591**	100
1	**---**	-	**506582**	100	**506586**	100	**506590**	100	**506592**	100
1-1/2	**---**	-	**---**	-	**---**	-	**---**	-	**506593**	100



NYLON FLAT HEAD SLOTTED

LENGTH	DIA. NO. 4-40 PART NUMBER	QTY	DIA. NO. 6-32 PART NUMBER	QTY	DIA. NO. 8-32 PART NUMBER	QTY	DIA. NO. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	**506600**	100	**---**	-	**---**	-	**---**	-	**---**	-
3/8	**506601**	100	**---**	-	**---**	-	**---**	-	**---**	-
1/2	**506602**	100	**506604**	100	**506607**	100	**506610**	100	**---**	-
5/8	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
3/4	**506603**	100	**506605**	100	**506608**	100	**506611**	100	**506613**	100
1	**---**	-	**506606**	100	**506609**	100	**506612**	100	**506614**	100
1-1/2	**---**	-	**---**	-	**---**	-	**---**	-	**506615**	100



NYLON HEX NUTS

SIZE	PART NUMBER	QTY
4-40	**506650**	100
6-32	**506651**	100

SIZE	PART NUMBER	QTY
8-32	**506652**	100
10-24	**506653**	100

SIZE	PART NUMBER	QTY
10-32	**506654**	100
1/4-20	**506655**	100

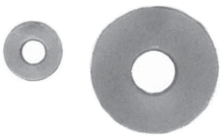


NYLON FLAT WASHERS

BOLT SIZE	PART NUMBER	O.D.	THICKNESS	QTY
No. 4	**504219**	9/32	.030	100
No. 6	**504220**	5/16	.030	100
No. 8	**504221**	3/8	.030	100
No. 10†	**504222**	7/16	.040	100
1/4	**504223**	11/16	.040	100

BOLT SIZE	PART NUMBER	O.D.	THICKNESS	QTY
5/16	**504224**	13/16	.040	100
3/8	**504225**	1	.062	100
7/16	**504226**	1-1/8	.062	50
1/2	**504227**	1-1/4	.062	50

† 3/16 size



WASHERS

MASTER WASHER ASSORTMENT

A size and style for all your requirements.

- **Standard alloy washers (Grade 2).**
- **5-styles, flat, split, external, internal and countersunk.**
- **6-sizes - #4, 6, 8, 10, 12 and 14 (1/4").**



SMALL DIAMETER
Part No. 501577
2215 pieces • 30 items • 12062 steel tray

FLAT	SPLIT	EXTERNAL	INTERNAL	COUNTERSUNK
No. 4	No. 4	No. 4	No. 4	No. 4
No. 6	No. 6	No. 6	No. 6	No. 6
No. 8	No. 8	No. 8	No. 8	No. 8
No. 10	No. 10	No. 10	No. 10	No. 10
No. 12	No. 12	No. 12	No. 12	No. 12
No. 14 (1/4)	No. 14 (1/4)	No. 14 (1/4)	No. 14 (1/4)	No. 14 (1/4)

Numbers in assortment



SUPRALLOY L9® FLAT WASHERS

- **All washers can be used with USS & SAE L9® Cap Screws.**
- **Yellow Cadmium Dichromate plated to resist rust & corrosion.**
- **The use of two grade 9 washers with each installation is engineered to produce the desired bolt clamp load.**





SHOP ASSORTMENT
Part No. 601311
225 pieces • 10 items
12043 plastic tray

602941	602943	602945	602947	602949
602942	602944	602946	602948	602950

Numbers in assortment

BOLT SIZE	PART NUMBER	I.D. MIN./MAX.	O.D. MIN./MAX.	THICKNESS MIN.MAX.	QTY
1/4	**602941**	17/64 - 19/64	5/8 - 41/64	3/64 - 5/64	100
5/16	**602942**	11/32 - 23/64	17/64 - 45/64	3/64 - 5/64	100
3/8	**602943**	13/32 - 27/64	13/16 - 55/64	3/64 - 5/64	100
7/16	**602944**	15/32 - 31/64	59/64 - 15/16	3/64 - 5/64	50
1/2	**602945**	33/64 - 35/64	1-1/16 - 1-3/32	5/64 - 1/8	50
9/16	**602946**	19/32 - 39/64	1-9/64 - 1-3/16	5/64 - 1/8	50
5/8	**602947**	21/32 - 11/16	1-5/16 - 1-11/32	5/64 - 1/8	25
3/4	**602948**	13/16 - 27/32	1-15/32 - 1-1/2	7/64 - 5/32	12
7/8	**602949**	15/16 - 31/32	1-3/4 - 1-25/32	7/64 - 5/32	12
1	**602950**	1-3/64 - 1-3/32	1-63/64 - 2-1/32	7/64 - 5/32	12

GRADE 8 ALLOY WASHERS

Protected by
LUSTERPLATE™
against rust & corrosion

- **Through hardened alloy steel.**
- **Stays flat on rough surfaces.**
- **Will not "BEND" or "DISH".**
- **Prevents soft materials from caving in under load.**





SHOP ASSORTMENT
USS (COARSE)
Part No. 504008
200 pieces • 6 items
12028 plastic tray

504230	504232	504234
504231	504233	504235

Numbers in assortment



SHOP ASSORTMENT
SAE (FINE)
Part No. 504009
200 pieces • 6 items
12028 plastic tray

504275	504277	504279
504276	504278	504280

Numbers in assortment



USS (COARSE) THREAD

BOLT SIZE	PART NUMBER	I.D.	O.D.	THICKNESS MIN./MAX.	QTY
1/4	**504230**	5/16	3/4	.055/.072	200
5/16	**504231**	3/8	7/8	.064/.080	200
3/8	**504232**	7/16	1	.064/.080	200
7/16	**504233**	1/2	1-1/4	.064/.080	100
1/2	**504234**	9/16	1-3/8	.097/.121	100
9/16	**504235**	5/8	1-1/2	.097/.121	50
5/8	**504236**	11/16	1-3/4	.122/.146	50
3/4	**504237**	13/16	2	.122/.146	25
7/8	**504238**	15/16	2-1/4	.136/.160	25
1	**504239**	1-1/16	2-1/2	.136/.160	25
1-1/8	**504240**	1-1/4	2-3/4	.136/.160	25
1-1/4	**504241**	1-3/8	3	.136/.160	25
1-1/2	**504242**	1-5/8	3-1/2	.136/.160	25

SAE (FINE) THREAD

BOLT SIZE	PART NUMBER	I.D.	O.D.	THICKNESS MIN./MAX.	QTY
1/4	**504275**	9/32	5/8	.055/.072	200
5/16	**504276**	11/32	11/16	.055/.072	200
3/8	**504277**	13/32	13/16	.055/.072	200
7/16	**504278**	15/32	59/64	.055/.072	100
1/2	**504279**	17/32	1-1/16	.097/.121	100
9/16	**504280**	19/32	1-3/16	.097/.121	50
5/8	**504281**	11/16	1-5/16	.122/.146	50
3/4	**504282**	13/16	1-15/32	.122/.146	25
7/8	**504283**	15/16	1-3/4	.136/.160	25
1	**504284**	1-1/8	2	.136/.160	25
1-1/8	**504272**	1-1/4	2-1/4	.136/.160	25
1-1/4	**504273**	1-3/8	2-1/2	.136/.160	25
1-3/8	**504326**	1-1/2	2-3/4	.136/.160	10
1-1/2	**504274**	1-5/8	3	.136/.160	25
1-3/4	**504327**	1-7/8	3-3/8	.178/.201	5
2	**504328**	2-1/8	3-3/4	.178/.201	2

WASHERS

HEAVY DUTY GRADE 8 WASHERS

60% thicker than ordinary washers.

- Use with Grade 8, Grade 5 and Grade 2 cap screws.
- Meets ASTM F-436 specifications.
- Conforms to SAE dimensions.
- Fabricated from quality, medium carbon steel, quenched and tempered.

Protected by **LUSTERPLATE™** against rust & corrosion

BOLT SIZE	PART NUMBER	I.D.	O.D.	THICKNESS MIN./MAX.	QTY
1/4	**504251**	9/32	5/8	.090/.110	50
5/16	**504252**	11/32	11/16	.090/.110	50
3/8	**504253**	13/32	13/16	.090/.110	25
7/16	**504254**	15/32	59/64	.090/.110	25
1/2	**504255**	17/32	1-1/16	.156/.188	10
9/16	**504331**	19/32	1-3/16	.156/.188	10
5/8	**504256**	21/32	1-5/16	.170/.195	10
3/4	**504257**	13/16	1-15/32	.170/.195	10
7/8	**504258**	15/16	1-3/4	.235/.265	5
1	**504259**	1-1/16	2	.235/.265	5
1-1/8	**504260**	1-1/4	2-1/4	.286/.336	5
1-1/4	**504329**	1-3/8	2-1/2	.286/.336	5
1-1/2	**504330**	1-5/8	3	.286/.336	5





Part No. 504250
155 pieces • 6 items
12028 plastic tray

504251 504253 504255
504252 504254 504256

Numbers in assortment



Part No. 501618
219 pieces • 9 items
12061 steel tray

504251 504254 504257
504252 504255 504258
504253 504256 504259

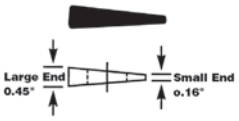
Numbers in assortment

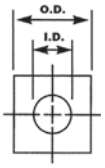
SQUARE BEVELED WASHERS

Used in high strength structural applications mainly american standard beams and channels.

BOLT SIZE	PART NUMBER	QTY	I.D.	O.D.
1/2	**504345**	5	17/32	1-3/4
5/8	**504346**	5	11/16	1-3/4
3/4	**504347**	5	13/16	1-3/4
7/8	**504348**	5	15/16	1-3/4
1	**504349**	5	1-1/8	1-3/4







- Beveled washers compensate for lack of parallism.
- Use with A325 and A490 bolts.
- Hardened steel, quenched and tempered.
- Meets ASTM Specifications F436.

STANDARD ALLOY WASHERS

- Resists distortion.
- Used with Grade 2 or Grade 5 capscrews and bolts.

Protected by **LUSTERPLATE™** against rust & corrosion

USS (COARSE) THREAD

BOLT SIZE	PART NUMBER	I.D.	O.D.	THICKNESS MIN./MAX.	QTY
3/16*	**50905**	1/4	9/16	3/64	200
1/4	**50906**	5/16	3/4	1/6	400
5/16	**50907**	3/8	7/8	5/64	200
3/8	**50908**	7/16	1	5/64	200
7/16	**50909**	1/2	1-1/4	5/64	200
1/2	**50910**	9/16	1-3/8	7/64	100
9/16	**50911**	5/8	1-1/2	7/64	100
5/8	**50912**	11/16	1-3/4	9/64	100
3/4	**50913**	13/16	2	5/32	50
7/8	**50914**	15/16	2-1/4	11/64	50
1	**50915**	1-1/16	2-1/2	11/64	25
1-1/8	**50916**	1-1/4	2-3/4	11/64	25
1-1/4	**50917**	1-3/8	3	11/64	25
1-1/2	**50918**	1-5/8	3-1/2	3/16	25





SAE (FINE) THREAD

BOLT SIZE	PART NUMBER	I.D.	O.D.	THICKNESS MIN./MAX.	QTY
No. 6	**50921**	5/32	3/8	3/64	500
No. 8	**50922**	3/16	7/16	3/64	500
3/16*	**50923**	7/32	1/2	3/64	500
1/4	**50924**	9/32	5/8	1/16	400
5/16	**50925**	11/32	11/16	1/16	200
3/8	**50926**	13/32	13/16	1/16	200
7/16	**50927**	15/32	59/64	1/16	200
1/2	**50928**	17/32	1-1/16	3/32	100
9/16	**50929**	19/32	1-3/16	3/32	100
5/8	**50930**	21/32	1-5/16	3/32	100
3/4	**50931**	13/16	1-1/2	9/64	50
7/8	**50932**	15/16	1-3/4	9/64	50
1	**50933**	1-1/16	2	9/64	25
1-1/8	**50934**	1-3/16	2-1/4	9/64	25
1-1/4	**50935**	1-5/16	2-1/2	5/32	25
1-1/2	**50936**	1-9/16	3	5/32	25

***10 size**







SHOP ASSORTMENT
USS (COARSE)
Part No. 50901
200 pieces • 6 items
12028 plastic tray

50906 50908 50910
50907 50909 50911

Numbers in assortment



SHOP ASSORTMENT
SAE (FINE)
Part No. 50902
440 pieces • 10 items
12030 plastic tray

50921 50923 50925 50927 50929
50922 50924 50926 50928 50930

Numbers in assortment

WASHERS

MACHINE SCREW WASHERS



Part No. 50950
500 pieces • 6 items
12036 plastic tray

50951 50953 50955
50952 50954 50956
Numbers in assortment



SCREW SIZE	PART NUMBER	I.D.	O.D.	THICKNESS	QTY
No. 4	**50951**	1/8	9/32	1/32	200
No. 6	**50952**	5/32	3/8	1/32	200
No. 8	**50953**	11/64	3/8	1/32	200
No. 10†	**50954**	13/64	7/16	1/32	200
No. 12	**50955**	7/32	1/2	3/64	200
1/4	**50956**	17/64	9/16	3/64	200
5/16	**50957**	21/64	3/4	1/16	200
3/8	**50958**	25/64	7/8	1/16	250

† 3/16 size

NICKEL PLATED FINISHING WASHERS



Part No. 51060
400 pieces • 7 items
12035 plastic tray

51061 51063 51065 51067
51062 51064 51066
Numbers in assortment

- **Brass nickel plated to prevent corrosion.**
- **Use on headliners, trim, door panels, etc.**



SCREW SIZE	PART NUMBER FLUSH	PART NUMBER COUNTERSUNK	QTY
No. 4	---	**51059**	100
No. 6	---	**51063**	100
No. 8	**51061**	**51064**	100
No. 10	**51062**	**51065**	100
No. 12	---	**51066**	100
No. 14(1/4)	---	**51067**	100

OVERSIZE WASHERS (FENDER WASHERS)

- **Designed for applications requiring large bearing surface.**
- **Universal applications.**

Part No. 716001
110 pieces • 6 items • 12047 plastic tray

716478 716479 716480 716481 716482 716483
Numbers in assortment



Part No. 501483
325 pieces • 16 items
12050 steel tray

716481 716491 716495 717142
716483 716492 716497 717143
716484 716493 717140 717144
716490 716494 717141 717145
Numbers in assortment



BOLT SIZE	THICKNESS 1/16	THICKNESS 1/8	O.D.	QTY
3/16	**716490**	---	1/2	100
3/16	**716491**	---	3/4	100
3/16	---	**716477**	15/16	25
1/4	**717140**	---	5/8	100
1/4	---	**716478**	1	25
1/4	---	**716479**	1-1/8	25
1/4	**717141**	---	1-1/4	100
1/4	---	**716480**	1-1/2	25
5/16	**717142**	---	3/4	100
5/16	**717143**	**716481**	1-1/4	50
5/16	**716492**	---	1-1/2	50
3/8	**717144**	**716482**	1-1/4	50
3/8	**717145**	---	1-1/2	50
3/8	**716493**	**716483**	1-3/4	25
3/8	**716497**	---	2	25
1/2	**716494**	---	1-1/2	25
1/2	**716495**	**716484**	2	25

WHITE NYLON WASHERS



Part No. 504014
245 pieces • 8 items
12031 plastic tray

504220 504222 504224 504226
504221 504223 504225 504227
Numbers in assortment

- **Multi-purpose, non-conductive, non-corrosive.**



BOLT SIZE	PART NUMBER	O.D.	THICKNESS	QTY
No. 4	**504219**	9/32	.030	100
No. 6	**504220**	5/16	.030	100
No. 8	**504221**	3/8	.030	100
No. 10†	**504222**	7/16	.040	100
1/4	**504223**	11/16	.040	100
5/16	**504224**	13/16	.040	100
3/8	**504225**	1	.062	100
7/16	**504226**	1-1/8	.062	50
1/2	**504227**	1-1/4	.062	50

† 3/16 size

BOWED SPRING WASHERS

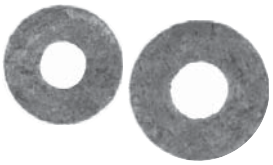
- **Parkerized to resist corrosion.**



I.D.	PART NUMBER	O.D.	QTY
1/4	**504212**	9/16	50
5/16	**504213**	3/4	50
3/8	**504214**	25/32	50
7/16	**504215**	3/4	50

WASHERS

GALVANIZED WASHERS



BOLT SIZE	PART NUMBER	QTY
1/4	603136	50
5/16	603137	50
3/8	603138	50
1/2	603139	25
5/8	603140	10

- Hot dipped galvanized for superior corrosion resistance.
- For use with USS (coarse thread) galvanized bolts.



Part No. 601051
165 pieces • 5 items
12047 plastic tray

603136 603138 603140
603137 603139

Numbers in assortment

SUPRALLOY HIGH STRENGTH SPLIT LOCK WASHERS



- Special high carbon alloy steel for greater tension.
- Tighter assemblies, reusable without loss of tension.
- Won't gouge mating surfaces.
- Baked Yellow Zinc Dichromate finish eliminates rust.
- Used with Grade 8 cap screws.

SIZE	PART NUMBER	QTY
1/4	504285	100
5/16	504286	100
3/8	504287	100
7/16	504288	100
1/2	504289	100
9/16	504290	50
5/8	504291	50

SIZE	PART NUMBER	QTY
3/4	504292	25
7/8	504293	25
1	504294	25
1-1/8	504295	25
1-1/4	504296	25
1-3/8	504298	10
1-1/2	504297	25



Part No. 504011
300 pieces • 6 items
12028 plastic tray

504285 504287 504289
504286 504288 504290

Numbers in assortment



Part No. 501620
385 pieces • 10 items
12061 steel tray

504285 504287 504289 504291 504293
504286 504288 504290 504292 504294

Numbers in assortment

STANDARD SPLIT LOCK WASHERS



- Non-linking, high carbon spring steel.
- Reusable without loss of locking power.
- Used with Grade 5 or Grade 2 cap screws.

Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PART NUMBER	QTY
No. 4	50810	500
No. 6	50811	500
No. 8	50812	500
No. 10*	50813	500
No. 12	50814	500
1/4	50815	400
5/16	50816	200
3/8	50817	200
7/16	50818	200
1/2	50819	100
9/16	50820	100

SIZE	PART NUMBER	QTY
5/8	50821	100
3/4	50822	50
7/8	50823	50
1	50824	25
1-1/8	50825	25
1-1/4	50826	25
1-3/8	50828	10
1-1/2	50827	25
1-3/4	50829	5
2	50830	2

*** 3/16 size**



Part No. 501619
750 pieces • 15 items
12050 steel tray

50810 50813 50816 50819 50822
50811 50814 50817 50820 50823
50812 50815 50818 50821 50824

Numbers in assortment

HIGH COLLAR SPLIT LOCK WASHERS



- Use high collar lock washers with socket head cap screws.

Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PART NUMBER	QTY
No. 8	504261	100
No. 10†	504262	100
1/4	504263	100
5/16	504264	100
3/8	504265	100
7/16	504266	100

SIZE	PART NUMBER	QTY
1/2	504267	50
5/8	504268	50
3/4	504269	25
7/8	504270	25
1	504271	25

† 3/16 size



Part No. 501621
436 pieces • 11 items
12061 steel tray

504261 504264 504267 504270
504262 504265 504268 504271
504263 504266 504269

Numbers in assortment

GALVANIZED LOCK WASHERS

SIZE INCHES	PART NUMBER	QTY
1/4	603142	100
5/16	603143	100
3/8	603144	100
1/2	603145	50
5/8	603146	25



- Hot dipped galvanized for superior corrosion protection.
- High carbon spring steel.



Part No. 601052
262 pieces • 5 items
12047 plastic tray

603142 603143 603144 603145 603146

Numbers in assortment

A14

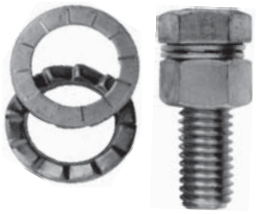
WASHERS

THE CAM-LOCK SYSTEM

PROBLEM
Fastener loosening due to vibration or cyclic action.

SOLUTION
Our CAM-LOCK washers, the system you can tighten...and forget

The CAM-LOCK System uses two washers, each with inclined cams on one side, and gripping ridges on the other. When installed, the cammed sides are mated, leaving the ridged sides to grip the cap screw and joint material. Only exerting torque in excess of 50% more than that required for tightening will loosen the CAM-LOCK system. Meets military specs.
MCN 5310-H06-4254 through 4266.



SIZE INCHES	SIZE METRIC	PART NUMBER	QTY
3/16	5mm	**504301**	100
1/4	6mm	**504302**	100
5/16	8mm	**504303**	100
3/8	10mm	**504304**	100
7/16	11mm	**504305**	50
1/2	12mm	**504306**	50
9/16	14mm	**504307**	50
5/8	16mm	**504308**	24
3/4	19mm	**504309**	24
7/8	22mm	**504310**	24
1	25mm	**504311**	24
1-1/16	27mm	**504312**	10
1-1/8	28mm	**504313**	10
1-1/4	32mm	**504314**	10
1-1/2	38mm	**504315**	10

Made from 1038 steel, heat treated to 45 on the Rockwell Hardness Scale.



Part No. 504005
150 pieces • 3 items
12034 plastic tray

504302 504303 504304
Numbers in assortment



Part No. 504006
250 pieces • 5 items
12034 plastic tray

504302 504303 504304 504306 504308
Numbers in assortment

TOOTHED LOCK WASHERS

- **High carbon spring steel.**
- **Vibration resistant.**
- **Teeth grip surfaces to prevent loosening.**
- **Internal tooth, external tooth, countersunk and combination.**



SIZE	INTERNAL PART NUMBER	QTY	EXTERNAL PART NUMBER	QTY	COUNTERSUNK PART NUMBER	QTY	COMBINATION INT/EXT PART NUMBER	QTY
No. 4	**51009**	200	**51029**	200	**---**	-	**51075**	100
No. 6	**51010**	200	**51030**	200	**51044**	200	**51076**	100
No. 8	**51011**	200	**51031**	200	**51045**	200	**51077**	100
No. 10*	**51012**	200	**51032**	200	**51046**	200	**51078**	100
No. 12	**51013**	200	**51033**	200	**51047**	200	**---**	-
1/4	**51014**	200	**51034**	200	**51048**	200	**51079**	100
5/16	**51019**	200	**51035**	200	**51049**	200	**51080**	50
3/8	**51020**	200	**51036**	200	**51050**	200	**51081**	50
7/16	**51021**	200	**51037**	200	**---**	-	**51082**	50
1/2	**51022**	200	**51038**	200	**---**	-	**51083**	25
9/16	**51023**	100	**51039**	100	**---**	-	**---**	-
5/8	**51024**	100	**51040**	100	**---**	-	**51084**	25
3/4	**51025**	50	**51041**	50	**---**	-	**51085**	25
7/8	**51026**	50	**51042**	50	**---**	-	**---**	-
1	**51027**	50	**51043**	50	**---**	-	**---**	-

*** 3/16 size**



INTERNAL, EXTERNAL & COUNTERSUNK
Part No. 501021
1255 pieces • 24 items
12017 steel tray

51011	**51020**	**51031**	**51036**	**51046**
51012	**51021**	**51032**	**51037**	**51048**
51013	**51022**	**51033**	**51038**	**51049**
51014	**51024**	**51034**	**51040**	**51050**
51019	**51025**	**51035**	**51041**	

Numbers in assortment



INTERNAL TOOTHED
Part No. 51001
300 pieces • 6 items
12032 plastic tray

51012	**51019**	**51021**
51014	**51020**	**51022**

Numbers in assortment



EXTERNAL TOOTHED
Part No. 51002
240 pieces • 6 items
12032 plastic tray

51032	**51035**	**51037**
51034	**51036**	**51038**

Numbers in assortment



COMBINATION INTERNAL & EXTERNAL
Part No. 51003
250 pieces • 6 items
12047 plastic tray

51078	**51080**	**51082**
51079	**51081**	**51083**

Numbers in assortment

MACHINERY BUSHINGS

- **Reduce wear between moving parts.**
- **Prevent marring of fine finishes.**
- **14 gauge thick (.068-.082).**
- **Low carbon mild steel, resists friction.**
- **Precision finished, narrow rim.**

Used for bushings, spacers for sprockets, pulleys, gears and bearings.



Part No. 501528
183 pieces • 14 items
12050 steel tray

421300	**421303**	**421306**	**421399**	**421312**
421301	**421304**	**421307**	**421310**	**421313**
421302	**421305**	**421308**	**421311**	

Numbers in assortment



SHAFT SIZE	PART NUMBER	OUTSIDE DIAMETER	QTY
1/2	**421300**	7/8	25
9/16	**421301**	15/16	25
5/8	**421302**	1	25
3/4	**421303**	1-1/4	25
7/8	**421304**	1-3/8	25
1	**421305**	1-1/2	25
1-1/8	**421306**	1-3/4	25

SHAFT SIZE	PART NUMBER	OUTSIDE DIAMETER	QTY
1-1/4	**421307**	1-7/8	25
1-3/8	**421308**	2-1/8	10
1-1/2	**421309**	2-1/4	10
1-5/8	**421310**	2-3/8	10
1-3/4	**421311**	2-1/2	10
1-7/8	**421312**	2-7/8	10
2	**421313**	3	10

WASHERS

GALVANIZED SELF SEALING WASHER

Used with sheet metal screws, wood screws, machine screws and cap screws.

- **100% leaktight - rubber gasket bonded to a steel washer, for a leak-proof seal.**
- **EPDM seal resists heat, cold, sunlight, and chemicals, to remain pliable and provide a positive seal.**
- **Tightly seals opening and provides cushioning on fastened material.**
- **Nominal total thickness 7/64".**
- **One piece construction, eliminates leakage problems.**

FITS SCREW SIZE	O.D.	PART NUMBER	QTY
8	1/2	**504318**	100
10 (3/16)	1/2	**504319**	100
12	5/8	**504320**	100
14 (1/4)	5/8	**504325**	100
14 (1/4)	1	**504321**	50
14 (1/4)	1-1/8	**504322**	50
5/16	3/4	**504323**	50
3/8	3/4	**504324**	50





Part No. 504300
275 pieces • 8 items
12038 plastic tray

504318	504320	504322	504324	
504319	504321	504323	504325	

Numbers in assortment

FIBER WASHERS

Washers, gaskets, insulation shields used on motors, thermal and electrical stand-offs, bowling alley equipment, lawn mowers, automobiles, welding equipment.

I.D	O.D.	THICKNESS 1/16" PART NO.	QTY	THICKNESS 1/32" PART NO.	QTY
3/32	1/4	---	-	**421350**	50
1/8	1/4	**421325**	50	**421351**	50
5/32	5/16	---	-	**421352**	50
3/16	5/16	**421326**	50	---	-
3/16	3/8	**421327**	50	**421353**	50
1/4	3/8	**421328**	50	---	-
1/4	1/2	**421329**	50	**421354**	50
5/16	7/16	**421330**	50	---	-
5/16	9/16	**421331**	50	---	-
3/8	1/2	**421332**	50	---	-
3/8	5/8	**421333**	50	**421355**	50
7/16	11/16	**421334**	50	**421356**	50
1/2	5/8	---	-	**421357**	50
1/2	3/4	**421335**	50	---	-
9/16	13/16	**421336**	25	**421358**	50
5/8	3/4	**421337**	25	---	-
5/8	7/8	**421338**	25	**421359**	50
11/16	15/16	**421339**	25	**421360**	50
3/4	1	**421340**	25	---	-
3/4	1-1/16	**421341**	25	**421361**	25
13/16	1-1/8	---	25	**421362**	25
15/16	1-1/4	---	25	**421363**	25
7/8	1-3/16	**421342**	25	---	-
1	1-5/16	**421343**	25	---	-

All sizes included in assortment.



- **Two thicknesses available 1/16'' and 1/32''.**
- **Heat resistant.**
- **Flexible, tough and long wearing.**
- **Retains shape.**
- **Resists tearing.**
- **Vulcanized fiber - provides strength, hardness, and elasticity.**



Part No. 501543 (1/16" Thick)
670 pieces • 19 items
12071 steel tray

421325	421329	421333	421337	421341
421326	421330	421334	421338	421342
421327	421331	421335	421339	421343
421328	421332	421336	421340	

Numbers in assortment

DECK WASHERS

Used to fasten down the wood flooring found on all types of flat bed trailers, tagalongs, EZ loaders, etc.

HOLE DIA.	O.D.	PART NUMBER	QTY
3/8	2	**716499**	100





- **Large weight bearing surface and 1/8" heavy duty thickness provide strong secure holding power for permanent repairs.**
- **Zinc plated to resist rust.**
- **Slight convex surface for added strength.**

SHEET METAL SCREWS

SLOTTED PAN (BINDING) HEAD SHEET METAL SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion



- Deep slotted head
- Extra sharp point
- Case hardened steel
- Clean sharp threads



Sizes: 4 x 3/8" through 14 x 1-1/4"
Part No. 501014
735 pieces • 24 items
12017 steel tray

27101	27114	27123	27129	27139
27106	27115	27125	27134	27142
27107	27117	27126	27136	27144
27109	27119	27127	27137	27145
27111	27120	27128	27138	

Numbers in assortment

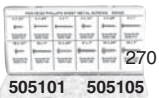
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1/4	27100	200	27105	200	---	-	---	-	---	-	---	-
3/8	27101	200	27106	200	27114	200	27122	200	27161	100	---	-
1/2	27102	200	27107	200	27115	200	27123	200	27132	200	27140	200
5/8	27103	200	27108	200	27116	200	27124	200	27133	200	27141	200
3/4	27104	200	27109	200	27117	200	27125	200	27134	200	27142	200
7/8	---	-	27110	200	27118	200	27126	200	27135	200	27143	200
1	---	-	27111	200	27119	200	27127	200	27136	200	27144	200
1-1/4	---	-	27112	100	27120	100	27128	100	27137	100	27145	100
1-1/2	---	-	27113	100	27121	100	27129	100	27138	100	27146	100
1-3/4	---	-	---	-	27149	50	27130	100	---	-	27147	100
2	---	-	---	-	27150	50	27131	100	27139	100	27148	100
2-1/2	---	-	---	-	27151	25	27153	25	27155	25	27157	25
3	---	-	---	-	27152	25	27154	25	27156	25	27158	25

PAN HEAD PHILLIPS SHEET METAL SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion



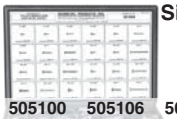
- Extra sharp point.
- Case hardened steel.
- Clean sharp threads.



Sizes: 6 x 1/2" through 14 x 1"
Part No. 505025
270 pieces • 12 items • 12030 plastic tray

505101	505105	505109	505114	505124	505129
505103	505107	505111	505118	505125	505130

Numbers in assortment



Sizes: 6 x 3/8" through 14 x 2"
Part No. 501004
540 pieces • 24 items
12017 steel tray

505100	505106	505112	505118	505124	505129
505101	505107	505114	505120	505125	505130
505103	505109	505115	505122	505127	505132
505105	505111	505116	505123	505128	505134

Numbers in assortment

LENGTH	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 (1/4) PART NAME	QTY
1/4	505179	200	---	-	---	-	---	-	---	-
3/8	505100	200	505106	200	505182	200	---	-	---	-
1/2	505101	200	505107	200	505114	200	505123	100	505128	200
5/8	505102	100	505108	100	505115	100	505183	100	505195	100
3/4	505103	100	505109	100	505116	100	505124	100	505129	100
7/8	505104	100	505110	100	505117	100	---	-	---	-
1	505105	100	505111	100	505118	100	505125	100	505130	100
1-1/4	---	-	505112	100	505119	100	505126	100	505131	100
1-1/2	---	-	505113	100	505120	100	505127	100	505132	100
1-3/4	---	-	505180	50	505121	50	---	-	505133	50
2	---	-	505181	50	505122	50	505184	50	505134	50
2-1/2	---	-	505940	25	505942	25	505944	25	505946	25
3	---	-	505941	25	505943	25	505945	25	505947	25

PAN HEAD PHILLIPS SHEET METAL SCREWS

Protected by **BLACK OXIDE FINISH™** against rust & corrosion



- Black oxide finish - glare preventive.
- Extra sharp point.
- Case hardened steel.
- Clean sharp threads.



Sizes: 4 x 1/4" through 10 x 1-1/2"
Part No. 501737
525 pieces • 18 items
12071 steel tray

505750	505755	505759	505763	717520
505751	505756	505760	505764	717521
505752	505757	505761	505765	
505753	505758	505762	717519	

Numbers in assortment

LENGTH	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NAME	QTY
1/4	505750	50	---	-	---	-	---	-
3/8	505751	50	---	-	---	-	---	-
1/2	505752	50	505755	25	717519	25	505761	25
3/4	505753	25	505756	25	717520	25	505762	25
1	---	-	505757	25	717521	25	505763	25
1-1/4	---	-	505758	25	505759	25	505764	25
1-1/2	---	-	---	-	505760	25	505765	25

SHEET METAL SCREWS

PAN HEAD SQUARE DRIVE (ROBERTSON®) SHEET METAL SCREWS

- **Square recess for maximum driving torque.**
- **Reduces driver bit "cam-out", no screwdriver slippage, or marred work.**
- **High quality heat treated carbon steel.**
- **Sharp gimlet point.**

Protected by **LUSTERPLATE™** against rust & corrosion



LENGTH	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NAME	QTY
3/8	**512175**	100	**512179**	100	**512186**	100
1/2	**512176**	100	**512180**	100	**512187**	100
3/4	**512177**	100	**512181**	100	**512188**	100
1	**512178**	100	**512182**	100	**512189**	100
1-1/4	**---**	-	**512183**	100	**512190**	100
1-1/2	**---**	-	**512184**	100	**512191**	100
2	**---**	-	**512185**	100	**512192**	100

Part No. 512002
533 pieces • 18 items • 12040 plastic tray

512175	512178	512181	512184	512187	512190
512176	512179	512182	512185	512188	512191
512177	512180	512183	512186	512189	512192

Numbers in assortment



Part No. 501487
1015 pieces • 18 items
12071 steel tray

512175	512178	512181	512184	512187	512190
512176	512179	512182	512185	512188	512191
512177	512180	512183	512186	512189	512192

Numbers in assortment

PAN HEAD COMBINATION SHEET METAL SCREWS

- **All-in-one Slotted and Phillips head for more versatility.**
- **Extra sharp point.**
- **Case hardened steel.**
- **Clean, sharp threads.**

Protected by **LUSTERPLATE™** against rust & corrosion



LENGTH	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 PART NAME	QTY
3/8	**505860**	100	**505867**	100	**505876**	50	**---**	-	**---**	-
1/2	**505861**	100	**505868**	100	**505877**	50	**---**	-	**---**	-
5/8	**505862**	100	**505869**	100	**505878**	50	**---**	-	**---**	-
3/4	**505863**	100	**505870**	100	**505879**	50	**505885**	25	**505891**	25
1	**505864**	100	**505871**	100	**505880**	50	**505886**	25	**505892**	25
1-1/4	**505865**	100	**505872**	100	**505881**	50	**505887**	25	**505893**	25
1-1/2	**505866**	100	**505873**	50	**505882**	50	**505888**	25	**505894**	25
1-3/4	**---**	-	**505874**	50	**505883**	25	**505889**	25	**505895**	25
2	**---**	-	**505875**	50	**505884**	25	**505890**	25	**505896**	25

OVAL HEAD SLOTTED SHEET METAL SCREWS

- **Deep slotted head.**
- **Extra sharp point.**
- **Case hardened steel.**
- **Clean sharp threads.**



Protected by **LUSTERPLATE™** against rust & corrosion

LENGTH	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 (1/4) PART NAME	QTY
1/4	**28100**	200	**28105**	200	**---**	-	**---**	-	**---**	-	**---**	-
3/8	**28101**	200	**28106**	200	**28114**	200	**28122**	200	**---**	-	**---**	-
1/2	**28102**	200	**28107**	200	**28115**	200	**28123**	200	**28132**	200	**28140**	200
5/8	**28103**	200	**28108**	200	**28116**	200	**28124**	200	**28133**	200	**28141**	200
3/4	**28104**	200	**28109**	200	**28117**	200	**28125**	200	**28134**	200	**28142**	200
7/8	**---**	-	**28110**	200	**28118**	200	**28126**	200	**28135**	200	**28143**	200
1	**---**	-	**28111**	200	**28119**	200	**28127**	200	**28136**	200	**28144**	200
1-1/4	**---**	-	**28112**	100	**28120**	100	**28128**	100	**28137**	100	**28145**	100
1-1/2	**---**	-	**28113**	100	**28121**	100	**28129**	100	**28138**	100	**28146**	100
1-3/4	**---**	-	**---**	-	**---**	-	**28130**	100	**---**	-	**28147**	100
2	**---**	-	**---**	-	**---**	-	**28131**	100	**28139**	100	**28148**	100



Sizes: 4 x 3/8" through 14 x 1-1/4"
Part No. 501006
925 pieces • 24 items
12017 steel tray

28101	28114	28123	28129	28139
28106	28115	28125	28134	28142
28107	28117	28126	28136	28144
28109	28119	28127	28137	28145
28111	28120	28128	28138	

Numbers in assortment

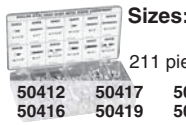
OVAL HEAD PHILLIPS SHEET METAL SCREWS

- **Extra sharp point.**
- **Case hardened steel.**
- **Clean sharp threads.**



Protected by **LUSTERPLATE™** against rust & corrosion

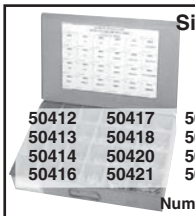
LENGTH	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NAME	QTY
3/8	**50440**	50	**50411**	50	**50418**	50	**50444**	50	**---**	-
1/2	**50441**	50	**50412**	50	**50419**	50	**50428**	50	**---**	-
5/8	**---**	-	**50413**	50	**50420**	50	**50429**	50	**---**	-
3/4	**---**	-	**50414**	50	**50421**	50	**50430**	50	**50436**	50
7/8	**---**	-	**50415**	50	**50422**	50	**50431**	50	**---**	-
1	**---**	-	**50416**	50	**50423**	50	**50432**	50	**50437**	50
1-1/4	**---**	-	**50417**	50	**50424**	50	**50433**	50	**50447**	50
1-1/2	**---**	-	**50442**	50	**50425**	50	**50434**	50	**50438**	50
1-3/4	**---**	-	**---**	-	**50426**	50	**50445**	50	**---**	-
2	**---**	-	**---**	-	**50427**	50	**50435**	50	**50439**	50
2-1/2	**---**	-	**---**	-	**50443**	25	**50446**	25	**---**	-



Sizes: 6 x 1/2" through 12 x 1-1/2"
Part No. 505001
211 pieces • 12 items • 12030 plastic tray

50412	50417	50423	50428	50434	50437
50416	50419	50424	50432	50436	50438

Numbers in assortment



Sizes: 6 x 1/2" through 12 x 2"
Part No. 501005
795 pieces • 24 items
12017 steel tray

50412	50417	50423	50428	50432	50436
50413	50418	50424	50529	50433	50437
50414	50420	50425	50430	50434	50438
50416	50421	50426	50431	50435	50439

Numbers in assortment

SHEET METAL SCREWS

OVAL HEAD PHILLIPS SHEET METAL SCREWS

Protected by **BLACK OXIDE FINISH™** against rust & corrosion

- Black oxide finish - glare preventive.
- Extra sharp point.
- Case hardened steel.
- Clean sharp threads.



Sizes: 4 x 3/8" through 10 x 1-1/2"
Part No. 501738
575 pieces • 20 items
12071 steel tray

505701	505705	716175	716179	716184
505702	505706	716176	716180	716185
505703	505707	716177	716181	716186
505704	505717	716178	716182	717510

Numbers in assortment



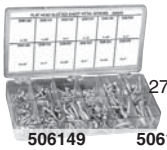
LENGTH	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NAME	QTY
1/4	505700	50	---	-	---	-	---	-
3/8	505701	50	---	-	---	-	---	-
1/2	505702	50	505706	25	716179	25	505707	25
5/8	505703	50	716175	25	---	-	---	-
3/4	505704	25	716176	25	717510	25	716184	25
1	505705	25	716177	25	716180	25	716185	25
1-1/4	---	-	716178	25	716181	25	505717	25
1-1/2	---	-	---	-	716182	25	716186	25
1-3/4	---	-	---	-	---	-	---	-
2	---	-	---	-	---	-	716187	25

FLAT HEAD SLOTTED SHEET METAL SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- Clean sharp threads.
- Hardened steel.
- Deep slotted head.
- Sharp starter point.





Sizes: 6 x 1/2" through 14 x 1"
Part No. 506003
270 pieces • 12 items
12030 plastic tray

506149	506159	506181
506151	506161	506183
506153	506168	506191
506157	506172	506193

Numbers in assortment

LENGTH	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 (1/4) PART NAME	QTY
1/4	506140	50	506147	50	---	-	---	-	---	-	---	-
3/8	506141	50	506148	50	506156	50	---	-	---	-	---	-
1/2	506142	50	506149	50	506157	50	506168	50	506179	50	---	-
5/8	506143	50	506150	50	506158	50	506169	50	506180	50	506190	25
3/4	506144	50	506151	50	506159	50	506170	50	506181	50	506191	25
7/8	506145	50	506152	50	506160	50	506171	50	506182	50	506192	25
1	506146	50	506153	50	506161	50	506172	50	506183	50	506193	25
1-1/4	---	-	506154	50	506162	50	506173	50	506184	25	506194	25
1-1/2	---	-	506155	50	506163	50	506174	50	506185	25	506195	25
1-3/4	---	-	---	-	506164	25	506175	25	506186	25	506196	25
2	---	-	---	-	506165	25	506176	25	506187	25	506197	25
2-1/2	---	-	---	-	506166	25	506177	25	506188	25	506198	25
3	---	-	---	-	506167	25	506178	25	506189	25	506199	25

FLAT HEAD PHILLIP SHEET METAL SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- Sharp leader point.
- Deep recessed cross-slots.
- Case hardened steel.



LENGTH	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 (1/4) PART NAME	QTY
3/8	506100	50	506104	50	506108	50	---	-	---	-	---	-
1/2	506101	50	505185	50	505189	50	506112	50	---	-	---	-
5/8	506102	50	505186	50	505190	50	506113	50	506120	50	506127	25
3/4	506103	50	505187	50	505191	50	506114	50	506121	50	506128	25
7/8	---	-	506105	50	506109	50	---	-	---	-	---	-
1	---	-	505188	50	505192	50	506115	50	506122	50	506129	25
1-1/4	---	-	506106	50	505193	50	506116	50	506123	25	506130	25
1-1/2	---	-	506107	50	505194	50	506117	50	506124	25	506131	25
1-3/4	---	-	---	-	506110	25	506118	50	506125	25	506132	25
2	---	-	---	-	506111	25	506119	25	506126	25	506133	25
2-1/2	---	-	---	-	---	-	---	-	---	-	506134	25



Sizes: 6 x 1/2" through 12 x 1-1/2"
Part No. 506002 • 260 pieces • 12 items • 12030 plastic tray

505185	505189	505193	506112	506117	506122
505188	505192	506106	506115	506121	506124

Numbers in assortment



Sizes: 6 x 1/2" through 12 x 1/2"
Part No. 501490 • 1015 pieces • 24 items • 12017 steel tray

505185	505188	505192	506106	506112	506115	506119	506122
505186	505190	505193	506108	506113	506116	506120	506124
505187	505191	505194	506110	506114	506117	506121	506126

Numbers in assortment

FLAT HEAD PHILLIPS SHEET METAL SCREWS

Protected by **BLACK OXIDE FINISH™** against rust & corrosion

- Black oxide finish - glare preventive.
- Extra sharp point.
- Case hardened steel.
- Clean sharp threads.



LENGTH	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NAME	QTY
3/8	505726	50	---	-	---	-	---	-
1/2	505727	50	505729	25	505732	25	505736	25
5/8	505728	50	---	-	---	-	---	-
3/4	---	-	505730	25	505733	25	505737	25
1	---	-	505731	25	505734	25	505738	25
1-1/4	---	-	---	-	717514	25	505739	25
1-1/2	---	-	---	-	505735	25	---	-
1-3/4	---	-	---	-	---	-	505740	25

SHEET METAL SCREWS

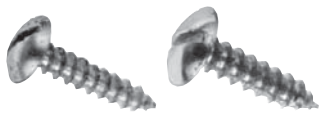
TRUSS HEAD SLOTTED* SHEET METAL SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

LENGTH	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 (1/4) PART NAME	QTY
1/2	**505136**	50	**505144**	50	**---**	-	**505162**	25	**505170**	12
5/8	**505137**	50	**---**	-	**505154**	50	**---**	-	**---**	-
3/4	**---**	-	**---**	-	**505155**	50	**505164**	25	**505172**	12
7/8	**---**	-	**505147**	50	**505156**	50	**---**	-	**---**	-
1	**505140**	50	**---**	-	**---**	-	**505166**	25	**505174**	12
1-1/4	**---**	-	**505149**	50	**---**	-	**505167**	12	**---**	-
1-1/2	**---**	-	**505150**	25	**505159**	25	**---**	-	**---**	-
1-3/4	**---**	-	**505151**	25	**---**	-	**---**	-	**---**	-
2	**---**	-	**505152**	25	**505161**	25	**---**	-	**---**	-

***These items will be discontinued when stock is depleted.**

- **Deep slotted heads.**
- **Extra sharp point.**
- **Case hardened steel.**
- **Clean sharp threads.**



TRUSS HEAD PHILLIPS SHEET METAL SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

LENGTH	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NAME	QTY
1/2	**505201**	50	**505207**	50	**---**	-	**505225**	25
5/8	**---**	-	**---**	-	**505217**	50	**---**	-
3/4	**505203**	50	**505209**	50	**505218**	50	**505227**	25
7/8	**505204**	50	**---**	-	**---**	-	**---**	-
1	**505205**	50	**505211**	50	**505220**	50	**---**	-
1-1/4	**---**	-	**505212**	25	**---**	-	**---**	-
1-1/2	**---**	-	**505213**	25	**505222**	25	**---**	-

- **Extra sharp point.**
- **Case hardened steel.**
- **Clean sharp threads.**



HEX WASHER HEAD SLOTTED SHEET METAL SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

LENGTH	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 (1/4) PART NAME	QTY
3/8	**505800**	100	**505805**	100	**---**	-	**---**	-	**---**	-
1/2	**505801**	100	**505806**	100	**505811**	100	**505817**	100	**505822***	100
5/8	**505802**	100	**505807**	100	**505812**	100	**---**	-	**---**	-
3/4	**505803**	100	**505808**	100	**505813**	100	**505818**	100	**505823**	100
1	**505804**	100	**505809**	100	**505814**	100	**505819**	100	**505824**	100
1-1/4	**---**	-	**505810**	100	**505815**	100	**505820**	100	**505825***	100
1-1/2	**---**	-	**505855**	50	**505816**	100	**505821**	100	**505826**	100
2	**---**	-	**505856**	50	**505828**	50	**505829**	25	**505827**	25

***No slot.**

- **Deep slotted head.**
- **Clean sharp threads.**
- **Extra sharp point.**
- **Case hardened steel.**





Sizes: 6 x 3/8" through 14 x 1-1/2"
Part No. 501501
545 pieces • 20 items • 12071 steel tray

505800	**505804**	**505808**	**505811**	**505816**	**505819**	**505824**
505801	**505805**	**505809**	**505813**	**505817**	**505821**	**505826**
505803	**505806**	**505810**	**505814**	**505818**	**505823**	

Numbers in assortment



Sizes: 6 x 1/2" through 14 x 1-1/2"
Part No. 505850
209 pieces • 12 items • 12030 plastic tray

505801	**505806**	**505810**	**505814**	**505818**	**505823**
505803	**505808**	**505812**	**505816**	**505821**	**505826**

Numbers in assortment

HEX HEAD WITH LOOSE WASHERS (UNSLOTTED) SHEET METAL SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- **Extra sharp point.**
- **Case hardened steel.**
- **Clean sharp threads.**

LENGTH	DIA. NO. 12 PART NUMBER	QTY	DIA. NO.14 (1/4") PART NUMBER	QTY	DIA. 5/16" PART NAME	QTY
3/4	**505831**	50	**505835**	50	**505839**	50
1	**---**	-	**505836**	50	**505840**	50
1-1/2	**---**	-	**505838**	50	**505842**	50



SHEET METAL and THREAD CUTTING SCREWS

HEX HEAD UNSLOTTED SHEET METAL SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- **Extra sharp point.**
- **Case hardened steel.**
- **Clean sharp threads.**



LENGTH	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY	DIA. NO. 14 (1/4") PART NUMBER	QTY	DIA. 5/16" PART NUMBER	QTY	DIA. 3/8" PART NAME	QTY
3/8	**506350**	100	**506354**	100	**506361**	100	**---**	-	**---**	-	**---**	-	**---**	-
1/2	**506351**	100	**506355**	100	**506362**	100	**506368**	50	**506374**	50	**---**	-	**---**	-
5/8	**---**	-	**506356**	100	**506363**	100	**---**	-	**506375**	50	**---**	-	**---**	-
3/4	**506352**	100	**506357**	100	**506364**	100	**506369**	50	**506376**	50	**506382**	25	**506387**	10
7/8	**---**	-	**---**	-	**---**	-	**---**	-	**506377**	25	**---**	-	**---**	-
1	**506353**	100	**506358**	50	**506365**	50	**506370**	50	**506378**	25	**506383**	10	**506388**	10
1-1/4	**---**	-	**506359**	50	**506366**	50	**506371**	25	**506379**	25	**506384**	10	**506389**	10
1-1/2	**---**	-	**506360**	50	**506367**	50	**506372**	25	**506380**	25	**506385**	10	**506390**	10
2	**---**	-	**---**	-	**---**	-	**506373**	25	**506381**	25	**506386**	10	**506391**	10



Part No. 501497
485 pieces • 23 items • 12017 steel tray

506355	**506362**	**506366**	**506370**	**506376**	**506379**	**506383**	**506388**
506357	**506364**	**506368**	**506371**	**506377**	**506380**	**506384**	**506389**
506358	**506365**	**506369**	**506374**	**506378**	**506382**	**506387**	

Numbers in assortment



Part No. 506005
175 pieces • 12 items • 12030 plastic tray

506355	**506358**	**506369**	**506371**	**506376**	**506382**
506357	**506368**	**506370**	**506374**	**506378**	**506383**

Numbers in assortment

HEX WASHER HEAD UNSLOTTED THREAD CUTTING SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- **Type "F" point.**
- **Case hardened steel.**
- **Cuts it's own threads.**



LENGTH	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-24 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY	DIA. 3/8-16 PART NAME	QTY
1/4	**506750**	50	**506755**	50	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
3/8	**506751**	50	**506756**	50	**506760**	50	**506764**	50	**---**	-	**---**	-	**---**	-
1/2	**506752**	50	**506757**	50	**506761**	50	**506765**	50	**506768**	50	**506774**	25	**---**	-
3/4	**506753**	50	**506758**	50	**506762**	50	**506766**	50	**506769**	50	**506775**	25	**506780**	25
1	**506754**	50	**506759**	50	**506763**	50	**506767**	50	**506770**	50	**506776**	25	**506781**	25
1-1/4	**---**	-	**---**	-	**---**	-	**---**	-	**506771**	50	**506777**	25	**506782**	25
1-1/2	**---**	-	**---**	-	**---**	-	**---**	-	**506772**	50	**506778**	25	**506783**	25
2	**---**	-	**---**	-	**---**	-	**---**	-	**506773**	25	**506779**	25	**506784**	25

HEX HEAD UNSLOTTED THREAD CUTTING SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- **Type "F" point.**
- **Case hardened steel.**



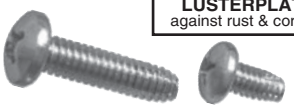
LENGTH	DIA. 10-24 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NAME	QTY
3/8	**505514**	50	**---**	-	**---**	-
1/2	**505515**	50	**505517**	50	**505520**	50
3/4	**505516**	50	**505518**	50	**---**	-
1	**---**	-	**505519**	50	**505521**	50
1-1/2	**---**	-	**---**	-	**505522**	50

THREAD CUTTING and THREAD ROLLING SCREWS

PAN HEAD PHILLIPS THREAD CUTTING SCREWS

- Type "F" point.
- Case hardened steed.
- Cuts it's own threads.

Protected by **LUSTERPLATE™** against rust & corrosion



LENGTH	DIA. 4-40 PART NUMBER	QTY	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-24 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NAME	QTY
1/4	506850	50	506853	50	506856	50	---	-	---	-	---	-
3/8	506851	50	506854	50	506857	50	506864	50	506871	50	506878	25
1/2	506852	50	506855	50	506858	50	506865	50	506872	50	506879	25
5/8	---	-	---	-	506859	50	506866	50	506873	50	506880	25
3/4	---	-	---	-	506860	50	506867	50	506874	50	506881	25
1	---	-	---	-	506861	50	506868	25	506875	25	506882	25
1-1/4	---	-	---	-	506862	50	506869	25	506876	25	506883	25
1-1/2	---	-	---	-	506863	50	506870	25	506877	25	506884	25
2	---	-	---	-	---	-	---	-	---	-	506885	25



Part No. 501031
710 pieces • 19 items
12071 steel tray

506850	506855	506864	506881
506851	506857	506865	506882
506852	506858	506867	506883
506853	506860	506868	506884
506854	506861	506879	

Numbers in assortment

PAN HEAD SLOTTED THREAD CUTTING SCREWS

- Type "F" point.
- Deep slotted head.
- Case hardened steel.



Protected by **LUSTERPLATE™** against rust & corrosion

LENGTH	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY	DIA. 10-24 PART NAME	QTY
3/8	505500	100	505503	100	505506	100	505510	100
1/2	505501	100	505504	100	505507	100	505511	100
3/4	505502	100	505505	100	505508	100	505512	100
1	---	-	---	-	505509	100	505513	100

FLAT HEAD PHILLIPS THREAD CUTTING SCREWS

- Type "F" point.
- Case hardened steel.
- Cuts it's own threads.

Protected by **LUSTERPLATE™** against rust & corrosion



LENGTH	DIA. 4-40 PART NUMBER	QTY	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-24 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NAME	QTY
1/4	506800	50	---	-	---	-	---	-	---	-	---	-
3/8	506801	50	506803	50	506806	50	---	-	---	-	---	-
1/2	506802	50	506804	50	506807	50	506811	50	506817	50	506823	25
5/8	---	-	506805	50	506808	50	506812	50	506818	50	---	-
3/4	---	-	---	-	506809	50	506813	50	506819	50	506824	25
1	---	-	---	-	506810	50	506814	25	506820	25	506825	25
1-1/4	---	-	---	-	---	-	506815	25	506821	25	506826	25
1-1/2	---	-	---	-	---	-	506816	25	506822	25	506827	25
2	---	-	---	-	---	-	---	-	---	-	506828	10
2-1/2	---	-	---	-	---	-	---	-	---	-	506829	10
3	---	-	---	-	---	-	---	-	---	-	506830	10



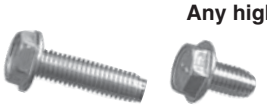
Part No. 501032
520 pieces • 18 items
12071 steel tray

506800	506805	506811	506825
506801	506806	506813	506826
506802	506807	506814	506827
506803	506809	506823	
506804	506810	506824	

Numbers in assortment

HEX WASHER HEAD TRI-ROUNDULAR THREAD ROLLING SCREWS

Any high-vibration area on heavy equipment, agricultural equipment, automotive, trucks, etc.



- Tri-Roundular screws generate stronger mating threads with uninterrupted grain flow.
- The work-hardening method of thread forming induces greater strength in the internal threads.
- Resistance to loosening from vibration is superior to that of other thread-forming screws.
- The cost of taps and tapping equipment is eliminated.
- Driving torque is lower than other types of thread-forming screws and failure torque remains high.
- Prevailing torque often equals locking screw standards.
- Works in punched, drilled, cored and extruded holes in many different metals and alloys.
- Freely accepts standard machine screw in field service.
- Generates no cut chips that could contaminate the assembly.

LENGTH	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-24 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY	DIA. 12-24 PART NUMBER	QTY	DIA. 1/4-20 PART NAME	QTY
1/4	506200	100	506204	100	506208	100	506212	100	---	-	---	-
3/8	506201	100	506205	100	506209	100	506213	100	506217	50	---	-
1/2	506202	100	506206	100	506210	100	506214	100	506218	50	506220	50
3/4	506203	100	506207	100	506211	100	506215	100	506219	50	506221	50
1	---	-	---	-	---	-	506216	50	---	-	506222	50
1-1/4	---	-	---	-	---	-	---	-	---	-	506223	25
1-1/2	---	-	---	-	---	-	---	-	---	-	506224	25



Tri-Roundular screws work like a tap...
The threads are formed in a pilot hole by the three vertexes that give the **Tri-Roundular** family it's name. It's a roll-forming process which displaces material rather than removing material. The work-hardened internal thread is stronger and more resistant to fatigue than cut threads.

DRILL N' TAP SCREWS (TEKS®)

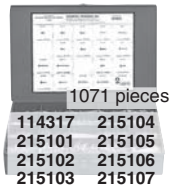
PAN HEAD PHILLIPS DRILL N' TAP SCREWS (TEKS®)



- Available zinc plated or black oxide.
- Drills and taps its own threads.
- Hardened steel point like a twist drill.
- High strength - heat treated steel.

	DIA. NO. 6 NO. 2 DRILL POINT					DIA. NO. 8 NO. 2 DRILL POINT					DIA. NO. 10 NO. 3 DRILL POINT				
LENGTH	PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	GRIP MAX	PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	GRIP MAX	PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	GRIP MAX
3/8	**215130**	50	**505745**	25	11/64	**---**	-	**---**	-	--	**---**	-	**---**	-	--
1/2	**215101**	100	**505746**	25	17/64	**215102**	100	**505790**	25	1/4	**215105***	100	**505793**	25	15/64
5/8	**215134**	50	**505747**	25	3/8	**215135**	50	**505796**	25	3/8	**215137**	50	**505799**	25	9/32
3/4	**215131**	50	**505748**	25	5/8	**215103**	100	**505791**	25	1/2	**215106**	100	**505794**	25	13/32
1	**215132**	50	**505749**	25	7/8	**215133**	50	**505792**	25	3/4	**215107**	50	**505795**	25	21/32
1-1/4	**---**	-	**---**	-	--	**215136**	50	**505797**	25	1	**215108**	50	**---**	-	29/32
1-1/2	**---**	-	**---**	-	--	**215104**	100	**505798**	25	1-1/4	**215109**	50	**---**	-	1-5/32

*** No. 2 drill point**



ZINC
Includes Part No. 114317 phillips power bit
Part No. 501625
1071 pieces • 18 items • 12071 steel tray

114317	**215104**	**215108**	**215132**	**215136**
215101	**215105**	**215109**	**215133**	**215137**
215102	**215106**	**215130**	**215134**	
215103	**215107**	**215131**	**215135**	

Numbers in assortment

BLACK OXIDE
Includes Part No. 114317 phillips power bit
Part No. 501626
591 pieces • 16 items • 12050 steel tray

114317	**505748**	**505792**	**505796**
505745	**505749**	**505793**	**505797**
505746	**505790**	**505794**	**505798**
505747	**505791**	**505795**	**505799**

Numbers in assortment



ZINC
Includes Part No. 114317 phillips power bit
Part No. 215100
120 pieces • 7 items
12028 plastic tray

114317	**215102**	**215104**	**215106**
215101	**215103**	**215105**	

Numbers in assortment

BUGLE HEAD PHILLIPS DRILL N' TAP SCREWS (TEKS®)

Protected by **BLACK OXIDE FINISH™** against rust & corrosion



	DIA. NO. 6		DIA. NO. 7		DIA. NO. 8	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1	**215110**	100	**215115**	100	**---**	-
1-1/8	**215111**	100	**---**	-	**---**	-
1-1/4	**215112**	100	**215116**	100	**---**	-
1-5/8	**215113**	100	**215117**	100	**---**	-
1-7/8	**215114**	100	**215118**	100	**---**	-
2-3/8	**---**	-	**---**	-	**215119**	50
2-5/8	**---**	-	**---**	-	**215120**	50
3	**---**	-	**---**	-	**215121**	50

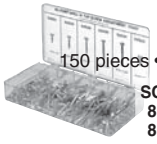
HEX WASHER HEAD DRILL N' TAP SCREWS (TEKS®)

Ideal to drill, tap, and fasten in one operation, plywood composition board and laminates to metal, and metal to metal.



- Drills and taps it's own threads in materials up to 1/4" thick.
- Hardened steel point - like a twist drill.
- High strength - heat treated steel.
- Available zinc plated or black oxide.
- Used in place of welding, adhesives, riveting and using nuts and bolts.





ZINC
Part No. 53501
150 pieces • 6 items • 12028 plastic tray

SCREWS 8 x 1/2"	**SCREWS 8 x 1"**	**SCREWS 8 x 1-1/2"**
8 x 3/4"	**8 x 1-1/4"**	**10 x 1/2"**

Numbers in assortment



ZINC
Part No. 53503
150 pieces • 8 items • 12030 plastic tray

SCREWS 10 x 3/4"	**SCREWS 10 x 1-1/4"**	**SCREWS 12 x 3/4"**	**SCREWS 12 x 1-1/4"**
10 x 1"	**10 x 1-1/2"**	**12 x 1"**	**12 x 1-1/2"**

Numbers in assortment



ZINC
Part No. 53504
151 pieces • 9 items • 12030 plastic tray

HEX DRIVERS 5/16"	**SCREWS 10 x 3/4"**	**SCREWS 10 x 1-1/4"**	**SCREWS 12 x 3/4"**	**SCREWS 12 x 1-1/4"**
	10 x 1"	**10 x 1-1/2"**	**12 x 1"**	**12 x 1-1/2"**

Numbers in assortment



ZINC
Part No. 501390L
546 pieces • 21 items • 12071 steel tray

HEX DRIVERS 1/4" 5/16" 3/8"	**SCREWS 8 x 1/2"**	**SCREWS 10 x 1/2"**	**SCREWS 12 x 3/4"**	**SCREWS 14 x 1"**
	8 x 3/4"	**10 x 3/4"**	**12 x 1"**	**14 x 1-1/4"**
	8 x 1"	**10 x 1"**	**12 x 1-1/4"**	**14 x 1-1/2"**
	8 x 1-1/4"	**10 x 1-1/4"**	**12 x 1-1/2"**	
	8 x 1-1/2"	**10 x 1-1/2"**	**14 x 3/4"**	

1/2 QUANTITY AVAILABLE ORDER NO. 501390M
Numbers in assortment



BLACK OXIDE
Part No. 501585L
546 pieces • 21 items • 12071 steel tray

HEX DRIVERS 1/4" 5/16" 3/8"	**SCREWS 8 x 1/2"**	**SCREWS 10 x 1/2"**	**SCREWS 12 x 3/4"**	**SCREWS 14 x 1"**
	8 x 3/4"	**10 x 3/4"**	**12 x 1"**	**14 x 1-1/4"**
	8 x 1"	**10 x 1"**	**12 x 1-1/4"**	**14 x 1-1/2"**
	8 x 1-1/4"	**10 x 1-1/4"**	**12 x 1-1/2"**	
	8 x 1-1/2"	**10 x 1-1/2"**	**14 x 3/4"**	

1/2 QUANTITY AVAILABLE ORDER NO. 501585M
Numbers in assortment

DRILL N' TAP SCREWS (TEKS®)

HEX WASHER HEAD DRILL N' TAP SCREWS (TEKS®)

LENGTH	DIA. NO. 6 NO. 2 DRILL POINT					DIA. NO. 8 NO. 2 DRILL POINT					DIA. NO. 10 NO. 3 DRILL POINT				
	PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	GRIP MAX	PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	GRIP MAX	PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	GRIP MAX
3/8	**53555**	50	**---**	-	9/64	**---**	-	**---**	-	--	**---**	-	**---**	-	--
1/2	**53556**	50	**---**	-	17/64	**53521**	100	**505780**	25	1/4	**53523†**	100	**505783†**	25	15/64
5/8	**53557**	50	**---**	-	25/64	**---**	-	**---**	-	--	**---**	-	**---**	-	--
3/4	**53558**	50	**---**	-	21/32	**53522**	100	**505781**	25	1/2	**53524**	100	**505784**	25	13/32
1	**53559**	50	**---**	-	49/64	**53529**	100	**505782**	25	3/4	**53532**	100	**505785**	25	21/32
1-1/4	**---**	-	**---**	-	--	**53530**	100	**505710***	25	1	**53533**	50	**505786**	25	29/32
1-1/2	**---**	-	**---**	-	--	**53531**	50	**505711***	25	1-1/4	**53534**	50	**505787**	25	1-5/32
1-3/4	**---**	-	**---**	-	--	**---**	-	**505712***	25	1-1/2	**53539**	50	**505788**	25	1-13/32
2	**---**	-	**---**	-	--	**---**	-	**---**	-	--	**53540**	50	**505789**	25	1-21/32

1/4" hex driver **Part No. 53510**

5/16" hex driver **Part No. 53511**

*** No. 3 drill point**

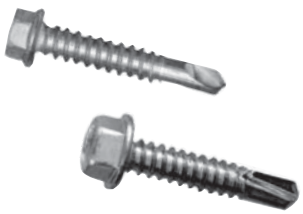
† No. 2 drill point

LENGTH	DIA. NO. 12 NO. 3 DRILL POINT					DIA. NO. 14 NO. 3 DRILL POINT				
	PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	GRIP MAX	PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	GRIP MAX
3/4	**53525**	100	**505713**	25	23/64	**53535**	100	**505719**	25	19/64
1	**53526**	100	**505714**	25	5/16	**53536**	100	**505720**	25	35/64
1-1/4	**53527**	50	**505715**	25	53/64	**53537**	50	**505721**	25	51/64
1-1/2	**53528**	50	**505716**	25	1-5/64	**53538**	50	**505722**	25	1-5/64
1-3/4	**53541**	50	**505767**	25	1-21/64	**53543**	50	**505723**	25	1-21/64
2	**53542**	50	**505718**	25	1-37/64	**53544**	50	**505724**	25	1-37/63
2-1/2	**53550**	25	**---**	-	2-17/64	**53552**	25	**---**	-	2-7/32
3	**53551**	25	**---**	-	2-45/64	**53553**	25	**---**	-	2-5/8
4	**---**	-	**---**	-	--	**53554**	25	**---**	-	3-5/8

5/16" hex driver **Part No. 53511**

3/8" hex driver **Part No. 53512**

† No. 2 drill point



HEX SERRATED WASHER HEAD DRILL N' TAP SCREWS (TEKS®)

SIZE DIA.xTHRDxLENGTH	PART NUMBER	DRILL POINT	GRIP MAX
10-24 x 5/8	**505960**	2	13/64
10-16 x 3/4	**505961**	3	5/16
1/4-14 x 3/4	**505962**	3	1/4
1/4-14 x 1	**505963**	3	1/2

5/16" hex driver **Part No. 53511**

- **Vibration resistant.**
- **Used on overhead steel doors, hinges, latches, HVAC systems.**
- **Zinc plated.**



HEX WASHER HEAD SELF-SEALING DRILL N' TAP SCREWS (TEKS®)

- **EDPM rubber gasket bonded to a galvanized steel washer.**
- **Prevents leaks from point of hole.**
- **5/8" OD washer, No. 3 drill point.**

Protected by **LUSTERPLATE™** against rust & corrosion

LENGTH	DIA. NO. 10			DIA. NO. 12			DIA. NO. 14		
	PART NUMBER	GRIP MAX	QTY	PART NUMBER	GRIP MAX	QTY	PART NUMBER	GRIP MAX	QTY
3/4	**53545**	9/32	100	**53546**	13/64	100	**53548**	19/64	100
1	**---**		-	**53547**	29/64	100	**53549**	5/16	100

5/16" hex driver **Part No. 53511**

5/16" hex driver **Part No. 53511**

3/8" hex driver **Part No. 53512**





Part No. 53506
95 pieces • 5 items
12028 plastic tray

53545 53546 53547 53548 53549

Numbers in assortment

MAGNETIC HEX DRIVERS

SIZE	PART NUMBER
1/4	**53510**
5/16	**53511**
3/8	**53512**



- **Fits all 1/4" drills and impact guns with 1/4" socket.**
- **1-3/4" length.**

DRILL N' TAP SCREWS (TEKS®) and DRILL POINT SCREWS

ROCK-ON FLAT PHILLIPS DRILL N' TAP SCREWS (TEKS®)

HIGH PERFORMANCE RIB HEAD DESIGN!!!

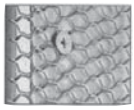
- **Rib design under head countersinks into dense material while preventing stripouts.**
- **Two point types for steel and wood applications.**
- **Larger head diameter increases board surface contact for greater pullover resistance.**
- **#8 fastener has self-drilling point and standard thread.**
- **#9 fastener has pointed tip and dual-spaced thread.**
- **Head designed to countersink into any high-density panel, including cement board, tile backer board and plywood.**
- **Thread design provides improved pull-out resistance.**

Protected by **CLIMACOAT** against rust & corrosion





Cement-type boards steel any dense sheathings to steel or wood studs.



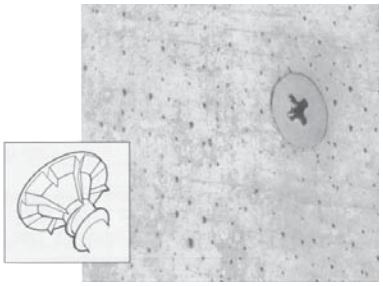
Wire lath to steel or wood studs.



Plywood to steel or wood studs.



Brick ties to or or wood studs.



HI-LO® PART NO.	DIA.xLENGTH	MATERIAL ATTACHMENT RANGE	APPLICATIONS
505985*	9 x 1-1/4	Up to 3/4" material thickness to wood; 3/8"-1" material thickness to steel	Cements board to wood or light gauge steel 26-20 gauge
505986	9 x 1-5/8	Up to 1-1/8" material thickness to wood; 3/8"-1-3/8" material thickness to steel	
505987	9 x 2-1/4	Up to 1-3/4" material thickness to wood; 1" to 1-7/8" material thickness to steel	

TEK® PART NO.	DIA.xLENGTH	MATERIAL ATTACHMENT RANGE	APPLICATIONS
505980*	8 x 1-1/4	3/8" to 3/4" material thickness	Cements board to steel studs 20-12 gauge
505981	8 x 1-5/8	3/8" to 1-1/4" material thickness	
505982	8 x 2-1/4	1" to 1-7/8" material thickness	

*** Fully threaded.**

WALL LINER TORX® DRILL N' TAP SCREWS (TEKS®)

Protected by **LUSTERPLATE™** against rust & corrosion

DESIGNED EXCLUSIVELY FOR TRAILER AND CONTAINER APPLICATIONS.

- **Torx® drive provides non-slip installation.**
- **Larger wafer head style resists pullout.**
- **Countersinks below plywood surface.**
- **No pre-drilling necessary with Tek point.**
- **Fast and easy one step installation.**
- **Use T-25 torx driver.**



SIZE DIA.xTHRDxLNGTH	PART NUMBER
10-16 x 1	**505970**
10-16 x 1-1/4	**505971**

HEX WASHER HEAD SLOTTED DRILL POINT SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- **Unique drill point speeds penetration and eliminates walking. No need to center punch.**
- **Hardened steel point — drills its own hole.**
- **Sharp threads prevent over-enlarging hole.**



Includes Part No. 53510 1/4" hex driver

Part No. 53505

201 pieces • 6 items

12032 plastic tray

53510 **53516** **53517** **53518** **53519** **53520**

Numbers in assortment



LENGTH	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 7 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY
3/8	**53516**	200	**---**	-	**---**	-	**---**	-
1/2	**---**	-	**53517**	200	**53518**	200	**53519**	200
3/4	**---**	-	**---**	-	**---**	-	**53520**	200
	1/4" hex driver **Part No. 53510**		1/4" hex driver **Part No. 53510**		1/4" hex driver **Part No. 53510**		5/16" hex driver **Part No. 53511**	

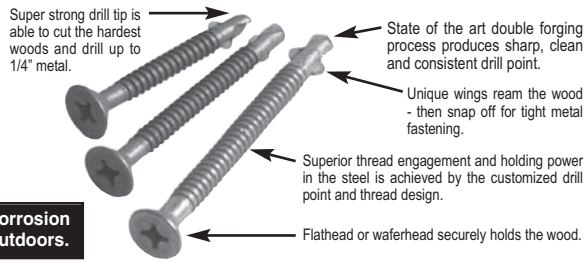
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WINGED SELF-DRILLERS and STEEL MACHINE SCREWS

WINGED SELF-DRILLERS

These incredible screws make fastening wood to metal a breeze!

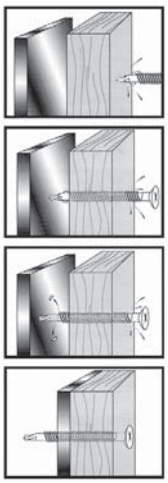
- **No pre-drilling - unique winged design drills as it drives.**
- **Wafer or flat head styles.**
- **Drills up to 1/4" steel.**
- **For any wood to metal applications.**
- **Made in the USA.**



Protec-Coatx20® Has up to 20 times the corrosion resistance of zinc. Superior protection for outdoors.

PART NUMBER	QTY	SIZE	HEAD STYLE	POINT	TOTAL MATERIAL ATTACHMENT RANGE	DRILLING CAPACITY
53561	100	10-24 x 1-1/4	Phillip wafer	T3**	1/8 - 3/4	.036 - .175
53562	100	10-16 x 1-7/16	Phillip wafer	T3*	1/8 - 1	.036 - .175
53563	50	12-14 x 2	Phillip flat	T4*	3/4 - 1-1/2	.125 - .250
53564	50	12-14 x 2-1/2	Phillip flat	T4*	3/4 - 1-3/4	.125 - .250
53565	50	1/4-14 x 3	Phillip flat	T4*	3/4 - 2-1/2	.125 - .250

***Wings break off in 18 gauge to 1/4 inch steel.**
****No wings, zinc finish.**



FLAT HEAD SLOTTED STEEL MACHINE SCREWS

- **Conforms to ANSI B18.6.3 and SAE J82(J478) specifications.**
- **Deep slotted head. Precision rolled Class 2A threads.**

Protected by **LUSTERPLATE™** against rust & corrosion

	DIA. 4-40		DIA. 6-32		DIA. 8-32		DIA. 10-24		DIA. 10-32		DIA. 12-24		DIA. 1/4-20		DIA. 5/16-18	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NAME	QTY
1/4	**505525**	200	**505531**	200	**505544**	200	**505372**	200	**505381**	200	**---**	-	**---**	-	**---**	-
3/8	**505526**	200	**505532**	200	**505545**	200	**505413**	200	**505416**	200	**---**	-	**505424**	200	**---**	-
1/2	**505527**	200	**505533**	200	**505546**	200	**505373**	200	**505382**	200	**505387**	200	**505391**	200	**505430**	100
3/4	**505529**	200	**505535**	200	**505548**	200	**505374**	200	**505383**	200	**505388**	200	**505392**	200	**505399**	100
1	**505530**	200	**505537**	200	**505550**	200	**505375**	200	**505384**	200	**505389**	200	**505393**	200	**505400**	100
1-1/4	**---**	-	**505538**	200	**505551**	200	**505376**	200	**505385**	200	**505390**	100	**505394**	100	**505431**	50
1-1/2	**---**	-	**505539**	200	**505552**	200	**505377**	200	**505417**	200	**505422**	50	**505395**	100	**505401**	50
1-3/4	**---**	-	**---**	-	**505412**	200	**505414**	100	**505418**	100	**---**	-	**505425**	200	**---**	-
2	**---**	-	**505540**	200	**505553**	100	**505378**	100	**505419**	50	**505423**	50	**505396**	100	**505402**	50
2-1/4	**---**	-	**505410**	50	**---**	-	**---**	-	**---**	-	**---**	-	**505426**	100	**---**	-
2-1/2	**---**	-	**505411**	50	**505554**	100	**505379**	100	**505420**	50	**---**	-	**505397**	100	**505403**	50
2-3/4	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**505427**	50	**---**	-
3	**---**	-	**---**	-	**505555**	100	**505380**	100	**505421**	50	**---**	-	**505398**	50	**505404**	50
3-1/2	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**505428**	25	**505432**	25
4	**---**	-	**---**	-	**---**	-	**505415**	50	**---**	-	**---**	-	**505429**	25	**505433**	25

	DIA. 3/8-16	
LENGTH	PART NUMBER	QTY
3/4	**505405**	50
1	**505406**	50
1-1/4	**505407**	50
1-1/2	**505434**	50
2	**505408**	50
2-1/2	**505409**	40
3	**505435**	10
3-1/2	**505436**	10
4	**505437**	10





Sizes: 4-40 x 1/2" through 1/4-20 x 2"
Part No. 505015
220 pieces • 12 items
12027 plastic tray

505373 505377 505395 505527 505537 505550
505375 505393 505396 505533 505546 505552

Numbers in assortment



Sizes: 4-40 x 1/4" through 1/4-20 x 2"
Includes hex nuts
Part No. 501496
2050 pieces • 24 items • 12017 steel tray

51122 51128 505377 505395 505529 505546
51123 505373 505391 505396 505533 505548
51125 505374 505392 505525 505535 505550
51127 505375 505393 505527 505537 505552

Numbers in assortment

STEEL MACHINE SCREWS

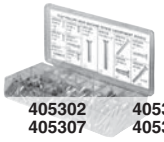
FLAT HEAD PHILLIPS STEEL MACHINE SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion



- **Conforms to ANSI B18.6.3 and SAE J82(J478) specifications.**
- **Precision rolled Class 2A threads.**

LENGTH	DIA. 4-40 PART NUMBER	QTY	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-24 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	**405300**	100	**405305**	100	**405312**	100	**---**	-	**---**	-	**---**	-
3/8	**405301**	100	**405306**	100	**405313**	100	**405320**	100	**405327**	100	**---**	-
1/2	**405302**	100	**405307**	100	**405314**	100	**405321**	100	**405328**	100	**405334**	100
5/8	**405303**	100	**405308**	100	**405315**	100	**405322**	100	**405329**	100	**---**	-
3/4	**405304**	100	**405309**	100	**405316**	100	**405323**	100	**405330**	100	**405335**	100
1	**---**	-	**405310**	100	**405317**	100	**405324**	100	**405331**	100	**405336**	100
1-1/4	**---**	-	**405311**	100	**405318**	100	**405325**	100	**405332**	100	**405337**	100
1-1/2	**---**	-	**---**	-	**405319**	100	**405326**	100	**405333**	100	**405338**	100
2	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**405339**	100



Sizes: 4-40 x 1/2" through 1/4-20 x 2"
Part No. 405202
220 pieces • 12 items • 12027 plastic tray

405302	**405310**	**405317**	**405321**	**405326**	**405338**
405307	**405314**	**405319**	**405324**	**405336**	**405339**

Numbers in assortment

Sizes: 4-40 x 1/2" through 1/4-20 x 2"
Includes hex nuts
Part No. 501492
1610 pieces • 24 items • 12017 steel tray

51122	**51127**	**405303**	**405309**	**405316**	**405321**	**405326**	**405336**
51123	**51128**	**405304**	**405310**	**405317**	**405323**	**405334**	**405338**
51125	**405302**	**405307**	**405314**	**405319**	**405324**	**405335**	**405339**

Numbers in assortment

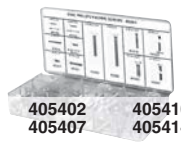
OVAL HEAD PHILLIPS STEEL MACHINE SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion



- **Conforms to ANSI B18.6.3 and SAE J82(J478) specifications.**
- **Precision rolled Class 2A threads.**

LENGTH	DIA. 4-40 PART NUMBER	QTY	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-24 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY	DIA. 12-24 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	**405400**	50	**---**	-	**405412**	25	**---**	-	**---**	-	**---**	-	**---**	-
3/8	**405401**	50	**405406**	50	**405413**	25	**405420**	25	**405427**	25	**405434**	25	**---**	-
1/2	**405402**	50	**405407**	50	**405414**	25	**405421**	25	**405428**	25	**405435**	25	**405439**	25
5/8	**405403**	50	**405408**	25	**405415**	25	**---**	-	**---**	-	**---**	-	**---**	-
3/4	**405404**	50	**405409**	25	**405416**	25	**405422**	25	**405429**	25	**405436**	25	**405440**	25
1	**405405**	50	**405410**	25	**405417**	25	**405423**	25	**405430**	25	**405437**	25	**405441**	25
1-1/4	**---**	-	**405411**	25	**405418**	25	**405424**	25	**405431**	25	**405438**	25	**405442**	25
1-1/2	**---**	-	**---**	-	**405419**	25	**405425**	25	**405432**	25	**---**	-	**405443**	25
2	**---**	-	**---**	-	**---**	-	**405426**	25	**405433**	25	**---**	-	**405444**	25
2-1/2	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**405445**	25



Sizes: 4-40 x 1/2" through 1/4-20 x 2"
Part No. 405001
220 pieces • 12 items • 12027 plastic tray

405402	**405410**	**405417**	**405421**	**405425**	**405443**
405407	**405414**	**405419**	**405423**	**405441**	**405445**

Numbers in assortment

Sizes: 4-40 x 1/2" through 1/4-20 x 2"
Includes hex nuts
Part No. 501489
1610 pieces • 24 items • 12017 steel tray

51122	**51127**	**405404**	**405409**	**405416**	**405421**	**405425**	**405441**
51123	**51128**	**405405**	**405410**	**405417**	**405422**	**405439**	**405443**
51125	**405402**	**405407**	**405414**	**405419**	**405423**	**405440**	**405444**

Numbers in assortment

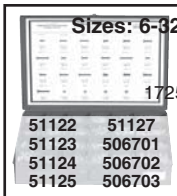
ROUND HEAD COMBINATION STEEL MACHINE SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion



- **All-in-one slotted and phillips head for more versatility.**
- **Precision rolled Class 2A threads.**

LENGTH	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-24 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
3/8	**---**	-	**506707**	100	**---**	-	**506721**	50	**506727**	25
1/2	**506701**	100	**506708**	100	**506716**	50	**506722**	50	**506728**	25
3/4	**506702**	100	**506709**	100	**506717**	50	**506723**	50	**506729**	25
1	**506703**	100	**506710**	100	**506718**	50	**506724**	50	**506730**	25
1-1/4	**506704**	100	**506711**	100	**---**	-	**---**	-	**506731**	25
1-1/2	**506705**	100	**506712**	50	**506719**	50	**506725**	50	**506732**	25
2	**506706**	50	**506713**	50	**506720**	25	**506726**	25	**506733**	25
2-1/2	**---**	-	**506714**	50	**---**	-	**---**	-	**506734**	25
3	**---**	-	**506715**	25	**---**	-	**---**	-	**506735**	25



Sizes: 6-32 x 1/2" through 1/4-20 x 1-1/2"
Includes hex nuts
Part No. 501018
1725 pieces • 24 items • 12017 steel tray

51122	**51127**	**506708**	**506716**	**506722**	**506728**
51123	**506701**	**506709**	**506717**	**506723**	**506729**
51124	**506702**	**506710**	**506718**	**506724**	**506730**
51125	**506703**	**506712**	**506719**	**506725**	**506732**

Numbers in assortment

STEEL MACHINE SCREWS

ROUND HEAD SLOTTED STEEL MACHINE SCREWS

- Conforms to ANSI B18.6.3 and SAE J82(J478) specifications.
- Precision rolled Class 2A threads.

Protected by **LUSTERPLATE™** against rust & corrosion

LENGTH	DIA. 4-40 PART NUMBER	QTY	DIA. 5-40 PART NUMBER	QTY	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-24 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY	DIA. 12-24 PART NUMBER	QTY	DIA. 1/4-20 PART NAME	QTY
3/16	---	-	505451	100	---	-	---	-	---	-	---	-	---	-	---	-
1/4	505311	200	505452	100	505316	200	505324	200	505334	200	505343	200	505348	200	---	-
3/8	505312	200	505453	100	505317	200	505325	200	505467	200	505474	200	505482	200	505487	200
1/2	505313	200	505454	100	505318	200	505326	200	505335	200	505344	200	505349	200	505353	200
5/8	---	-	505455	100	505456	200	505462	200	505468	200	505475	200	505483	200	505488	200
3/4	505314	200	---	-	505319	200	505327	200	505336	200	505345	200	505350	200	505354	200
7/8	505450	200	---	-	505457	200	505463	200	505469	200	505476	200	---	-	---	-
1	505315	200	---	-	505320	200	505328	200	505337	200	505346	200	505351	200	505355	200
1-1/4	---	-	---	-	505321	200	505329	200	505338	200	505347	200	505352	100	505356	100
1-1/2	---	-	---	-	505322	200	505330	200	505339	200	505477	100	505484	50	505357	100
1-3/4	---	-	---	-	505458	200	505464	200	505470	200	505478	100	505485	50	505489	100
2	---	-	---	-	505323	200	505331	200	505340	100	505479	50	505486	50	505358	100
2-1/4	---	-	---	-	505459	50	505465	50	505471	100	---	-	---	-	505490	100
2-1/2	---	-	---	-	505460	50	505332	50	505341	100	505480	50	---	-	505359	100
2-3/4	---	-	---	-	---	-	---	-	505472	100	---	-	---	-	505491	50
3	---	-	---	-	505461	50	505333	50	505342	100	505481	50	---	-	505360	50
3-1/2	---	-	---	-	---	-	---	-	---	-	---	-	---	-	505492	50
4	---	-	---	-	---	-	505466	50	505473	25	---	-	---	-	505307	50

LENGTH	DIA. 5/16-18 PART NUMBER	QTY	DIA. 3/8-16 PART NUMBER	QTY
3/8	---	-	---	-
1/2	505493	100	---	-
5/8	505494	100	---	-
3/4	505361	100	505367	50
1	505362	100	505368	50
1-1/4	505495	50	---	-
1-1/2	505363	50	505369	50
1-3/4	---	-	---	-
2	505364	50	505370	50
2-1/4	---	-	---	-
2-1/2	505365	50	505371	40
2-3/4	---	-	---	-
3	505366	50	505309	40
3-1/2	505496	50	505497	40
4	505308	50	505310	30



SMALL DIAMETER
Sizes: 4-40 x 1/2" through 1/4-20 x 2"
Includes hex nuts
Part No. 505006
179 pieces • 12 items
12027 plastic tray

505313	505328	505339
505318	505330	505355
505320	505335	505357
505326	505337	505358

Numbers in assortment



SMALL DIAMETER
Sizes: 4-40 x 1/4" through 1/4-20 x 1/2"
Includes hex nuts
Part No. 501020
736 pieces • 24 items • 12017 steel tray

51122	51126	505311	505319	505327	505344	505347	505350
51123	51127	505316	505324	505328	505345	505348	505351
51124	51128	505318	505326	505343	505346	505349	505353

Numbers in assortment



LARGE DIAMETER
Sizes: 10-24 x 1/2" through 3/8-16 x 4"
Includes hex nuts
Part No. 501067
353 pieces • 24 items • 12017 steel tray

51125	51131	505309	505337	505342	505358	505363	505368
51127	505307	505310	505339	505354	505360	505364	505369
51130	505308	505335	505340	505357	505362	505366	505370

Numbers in assortment

ROUND HEAD PHILLIPS STEEL MACHINE SCREWS

- Conforms to ANSI B18.6.3 and SAE J82(J478) specifications.
- Precision rolled Class 2A threads.

Protected by **LUSTERPLATE™** against rust & corrosion

LENGTH	DIA. 4-40 PART NUMBER	QTY	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-24 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	405210	100	405215	100	405222	100	---	-	---	-	---	-
3/8	405211	100	405216	100	405223	100	405230	100	405237	100	---	-
1/2	405212	100	405217	100	405224	100	405231	100	405238	100	405244	100
5/8	405213	100	405218	100	405225	100	405232	100	405239	100	---	-
3/4	405214	100	405219	100	405226	100	405233	100	405240	100	405245	100
1	---	-	405220	100	405227	100	405234	100	405241	100	405246	100
1-1/4	---	-	405221	100	405228	100	405235	100	405242	100	405247	100
1-1/2	---	-	---	-	405229	100	405236	100	405243	100	405248	100
2	---	-	---	-	---	-	---	-	---	-	405249	100





Sizes: 4-40 x 1/4" through 1/4-20 x 1-1/4"
Includes hex nuts
Part No. 501500
920 pieces • 24 items • 12017 steel tray

51122	51125	405210	405219	405226	405233	405238	405242
51123	51127	405215	405222	405227	405234	405240	405246
51124	51128	405217	405224	405231	405235	405241	405247

Numbers in assortment

A15

STEEL MACHINE SCREWS

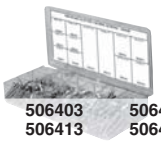
PAN HEAD SLOTTED STEEL MACHINE SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- **Conforms to ANSI B18.6.3 and SAE J82(J478) specifications.**
- **Precision rolled Class 2A threads.**



	DIA. 4-40		DIA. 6-32		DIA. 8-32		DIA. 10-24		DIA. 10-32		DIA. 1/4-20		DIA. 5/16-18	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/4	**506400**	50	**506410**	50	**506423**	50	**506437**	50	**506451**	50	**506464**	50	**---**	-
5/16	**506401**	50	**506411**	50	**506424**	50	**506438**	50	**506452**	50	**---**	-	**---**	-
3/8	**506402**	50	**506412**	50	**506425**	50	**506439**	50	**506453**	50	**506465**	50	**---**	-
1/2	**506403**	50	**506413**	50	**506426**	50	**506440**	50	**506454**	50	**506466**	50	**506479**	10
5/8	**506404**	50	**506414**	50	**506427**	50	**506441**	50	**506455**	50	**506467**	50	**506480**	10
3/4	**506405**	50	**506415**	50	**506428**	50	**506442**	50	**506456**	50	**506468**	50	**506481**	10
7/8	**506406**	50	**506416**	50	**506429**	50	**506443**	50	**506457**	50	**506469**	50	**---**	-
1	**506407**	50	**506417**	50	**506430**	50	**506444**	50	**506458**	50	**506470**	50	**506482**	10
1-1/4	**506408**	50	**506418**	50	**506431**	50	**506445**	50	**506459**	50	**506471**	50	**506483**	10
1-1/2	**506409**	50	**506419**	50	**506432**	50	**506446**	50	**506460**	50	**506472**	50	**506484**	10
1-3/4	**---**	-	**506420**	50	**506433**	50	**506447**	25	**506461**	25	**506473**	25	**---**	-
2	**---**	-	**506421**	50	**506434**	50	**506448**	25	**506462**	25	**506474**	25	**506485**	10
2-1/4	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**506475**	25	**---**	-
2-1/2	**---**	-	**---**	-	**506435**	25	**506449**	25	**506463**	25	**506476**	25	**---**	-
3	**---**	-	**506422**	25	**506436**	25	**506450**	25	**---**	-	**506477**	25	**---**	-
4	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**506478**	10	**---**	-



Sizes: 4-40 x 1/2" through 1/4-20 x 2"
Part No. 506004
220 pieces • 12 items • 12027 plastic tray

506403	**506417**	**506430**	**506440**	**506446**	**506472**
506413	**506426**	**506432**	**506444**	**506470**	**506474**

Numbers in assortment

Sizes: 4-40 x 1/2" through 1/4-20 x 2"
Includes hex nuts
Part No. 501493
2050 pieces • 24 items • 12017 steel tray

51122	**51127**	**506405**	**506415**	**506428**	**506440**	**506446**	**506470**
51123	**51128**	**506407**	**506417**	**506430**	**506442**	**506466**	**506472**
51125	**506403**	**506413**	**506426**	**506432**	**506444**	**506468**	**506474**

Numbers in assortment

PAN HEAD TORX® STEEL MACHINE SCREWS

Torx® Drive Saves Time and Money

- **Reduces camout.**
- **Reduces need for excessive end load force.**
- **Extends tool life.**
- **15 degree drive angle.**
- **Reduces worker fatigue.**
- **Reduces rework and scrap.**
- **Reduces radial forces which damage tools & fastener.**
- **Straight vertical sidewalls.**





Part No. 501696
695 pieces • 20 items
12017 steel tray

507425	**507430**	**507435**	**507440**
507426	**507431**	**507436**	**507441**
507427	**507432**	**507437**	**507442**
507428	**507433**	**507438**	**507443**
507429	**507434**	**507439**	**507444**

Numbers in assortment

	DIA. 4-40		DIA. 6-32		DIA. 8-32		DIA. 10-24		DIA. 10-32	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/4	**507425**	50	**507429**	50	**507433**	50	**---**	-	**---**	-
5/16	**507426**	50	**---**	-	**---**	-	**---**	-	**---**	-
3/8	**507427**	50	**507430**	50	**507434**	50	**507437**	50	**507441**	50
1/2	**507428**	50	**507431**	50	**507435**	50	**507438**	50	**507442**	50
3/4	**---**	-	**507432**	50	**507436**	50	**507439**	50	**507443**	50
1	**---**	-	**---**	-	**---**	-	**507440**	50	**507444**	50

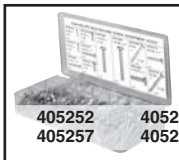
PAN HEAD PHILLIPS STEEL MACHINE SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- **Conforms to ANSI B18.6.3 and SAE J82(J478) specifications.**
- **Precision rolled Class 2A threads.**



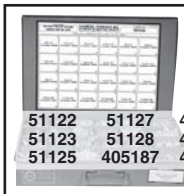
	DIA. 4-40		DIA. 6-32		DIA. 8-32		DIA. 10-24		DIA. 10-32		DIA. 1/4-20	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/4	**405250**	100	**405255**	100	**405262**	100	**---**	-	**---**	-	**---**	-
3/8	**405251**	100	**405256**	100	**405263**	100	**405270**	100	**405277**	100	**405197**	100
1/2	**405252**	100	**405257**	100	**405264**	100	**405271**	100	**405278**	100	**405284**	100
5/8	**405253**	100	**405258**	100	**405265**	100	**405272**	100	**405279**	100	**---**	-
3/4	**405254**	100	**405259**	100	**405266**	100	**405273**	100	**405280**	100	**405285**	100
7/8	**405186**	100	**405188**	100	**405190**	100	**405191**	100	**405194**	100	**---**	-
1	**405187**	100	**405260**	100	**405267**	100	**405274**	100	**405281**	100	**405286**	100
1-1/4	**---**	-	**405261**	100	**405268**	100	**405275**	100	**405282**	100	**405287**	100
1-1/2	**---**	-	**405189**	50	**405269**	100	**405276**	100	**405283**	100	**405288**	100
1-3/4	**---**	-	**---**	-	**---**	-	**405192**	50	**405195**	50	**405198**	50
2	**---**	-	**---**	-	**---**	-	**405193**	50	**405196**	50	**405289**	50
2-1/2	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**405199**	50



Sizes: 4-40 x 1/2" through 1/4-20 x 2"
Part No. 405201
220 pieces • 12 items • 12027 plastic tray

405252	**405260**	**405267**	**405271**	**405276**	**405288**
405257	**405264**	**405269**	**405274**	**405286**	**405289**

Numbers in assortment



Sizes: 4-40 x 1/2" through 1/4-20 x 2"
Includes hex nuts
Part No. 501494
2050 pieces • 24 items • 12017 steel tray

51122	**51127**	**405252**	**405259**	**405266**	**405271**	**405276**	**405286**
51123	**51128**	**405254**	**405260**	**405267**	**405273**	**405284**	**405288**
51125	**405187**	**405257**	**405264**	**405269**	**405274**	**405285**	**405289**

Numbers in assortment

A15

STEEL MACHINE SCREWS

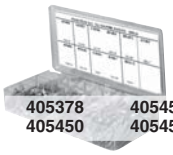
TRUSS HEAD SLOTTED STEEL MACHINE SCREWS

- Conforms to ANSI B18.6.3 and SAE J82(J478) specifications.
- Deep slotted head.
- Precision rolled Class 2A threads.

Protected by **LUSTERPLATE™** against rust & corrosion

LENGTH	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-24 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY
1/4	405450	100	405456	100	---	-	---	-	---	-	---	-
3/8	405451	100	405457	100	405463	100	405469	100	405475	50	---	-
1/2	405452	100	405458	100	405464	100	405470	100	405476	50	---	-
5/8	405453	100	405459	100	405465	100	405471	100	405487	50	---	-
3/4	405454	100	405460	100	405466	100	405472	100	405477	50	405483	10
1	405455	100	405461	100	405467	50	405473	50	405478	50	405484	10
1-1/4	---	-	405462	50	405468	50	405474	50	405479	25	---	-
1-1/2	---	-	---	-	---	-	---	-	405480	25	405485	10
2	---	-	---	-	---	-	---	-	405481	25	405486	10
2-1/2	---	-	---	-	---	-	---	-	405482	25	---	-





Sizes: 6-32 x 1/4" through 1/4-20 x 1"
Part No. 405003
155 pieces • 11 items • 12030 plastic tray

405378 405452 405458 405461 405466 405477
405450 405456 405460 405464 405467

Numbers in assortment



Sizes: 6-32 x 1/2" through 1/4-20 x 2"
Includes hex nuts
Part No. 501502
1620 pieces • 24 items • 12017 steel tray

51122 51125 405454 405460 405464 405468 405473 405478
51123 51127 405455 405461 405466 405470 405476 405480
51124 405450 405458 405462 405467 405472 405477 405481

Numbers in assortment

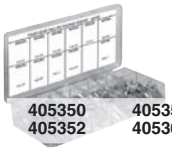
TRUSS HEAD PHILLIPS STEEL MACHINE SCREWS

- Conforms to ANSI B18.6.3 and SAE J82(J478) specifications.
- Precision rolled Class 2A threads.

Protected by **LUSTERPLATE™** against rust & corrosion

LENGTH	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-24 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	405350	50	405358	50	---	-	---	-	---	-
3/8	405351	50	405359	50	405366	50	405374	50	405381	25
1/2	405352	50	405360	50	405367	50	405375	50	405382	25
5/8	405353	50	405361	50	405368	50	405376	50	405383	25
3/4	405354	50	405362	50	405369	50	405377	50	405384	25
1	405355	50	405363	25	405370	25	405378	25	405385	25
1-1/4	405356	50	405364	25	405371	25	405379	25	405386	25
1-1/2	405357	50	405365	25	405372	25	405380	25	405387	25
2	---	-	---	-	405373	25	---	-	405388	25
2-1/2	---	-	---	-	---	-	---	-	405389	25





Sizes: 6-32 x 1/2" through 1/4-20 x 1-1/2"
Part No. 405002
155 pieces • 11 items • 12030 plastic tray

405350 405358 405362 405367 405370 405385
405352 405360 405363 405369 405384

Numbers in assortment



Sizes: 6-32 x 1" through 1/4-20 x 2"
Includes hex nuts
Part No. 501495
1620 pieces • 24 items • 12017 steel tray

51122 51125 405354 405362 405367 405372 405378 405385
51123 51127 405355 405363 405369 405375 405382 405387
51124 405352 405360 405365 405370 405377 405384 405388

Numbers in assortment

FILLISTER HEAD SLOTTED STEEL MACHINE SCREWS

- Deep slotted heads.
- Precision rolled Class 2A threads.
- Conforms to ANSI B18.6.3 and SAE J82(J478) specifications.



Protected by **LUSTERPLATE™** against rust & corrosion

LENGTH	DIA. 4-40 PART NUMBER	QTY	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-24 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY	DIA. 1/4-20 PART NUMBER	QTY
1/4	505601	100	505605	100	505611	100	---	-	---	-	---	-
3/8	505602	100	505606	100	505612	100	505619	100	505626	100	---	-
1/2	505603	100	505607	100	505613	100	505620	100	505627	100	505633	100
3/4	505604	100	505608	100	505614	100	505621	100	505628	100	505634	100
1	---	-	505609	100	505615	100	505622	100	505629	100	505635	100
1-1/4	---	-	505610	100	505616	100	505623	100	505630	100	505636	100
1-1/2	---	-	---	-	505617	100	505624	100	505631	100	505637	100
2	---	-	---	-	505618	100	505625	100	505632	100	---	-



Sizes: 4-40 x 1/2" through 1/4-20 x 1-1/2"
Part No. 505019
220 pieces • 12 items
12027 plastic tray

505603 505613 505620 505635
505607 505615 505622 505636
505609 505617 505624 505637

Numbers in assortment

STEEL MACHINE, THUMB and LAG SCREWS

HEX HEAD UNSLOTTED STEEL MACHINE SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion



- Conforms to ANSI B18.6.3 and SAE (J478) specifications.
- Precision rolled Class 2A threads.



Sizes: 6-32 x 1/4" through 10-32 x 1"
Part No. 505021
155 pieces • 11 items • 12030 plastic tray

505575	505579	505584	505588	505591	505594
505578	505582	505586	505589	505593	

Numbers in assortment

LENGTH	DIA. 6-32 PART NUMBER	QTY	DIA. 8-32 PART NUMBER	QTY	DIA. 10-24 PART NUMBER	QTY	DIA. 10-32 PART NUMBER	QTY
1/4	505575	100	505579	100	---	-	---	-
5/16	505576	100	505580	100	---	-	---	-
3/8	505577	100	505581	100	505585	100	505590	100
1/2	505578	100	505582	100	505586	100	505591	100
5/8	---	-	505583	100	505587	100	505592	100
3/4	---	-	505584	100	505588	100	505593	100
1	---	-	---	-	505589	100	505594	100

PHILLIPS HEAD STEEL MACHINE SCREW ASSORTMENT

- Contains the most popular sizes.
- Includes 3 styles of Phillips: Round, Pan and Flat head screws.
- Also includes hex nuts.
- Refills found on page A15-11 to 13.
- Comes in a sturdy steel tray which fits into both the 12007 and 12019 slide rack, part of our complete line of storage cabinets.





Sizes: 6-32 x 3/4" through 1/4-20 x 2"
Includes hex nuts
Part No. 405203 • 1173 pieces • 31 items • 12062 steel tray

HEX NUTS	PHILLIPS ROUND	PHILLIPS ROUND	PHILLIPS PAN	PHILLIPS PAN	PHILLIPS FLAT	PHILLIPS FLAT
6-32	6-32 x 3/4"	10-24 x 1-1/2"	6-32 x 3/4"	10-24 x 1-1/2"	6-32 x 3/4"	10-24 x 1-1/2"
8-32	8-32 x 1/2"	1/4-20 x 1"	8-32 x 1/2"	1/4-20 x 1"	8-32 x 1/2"	1/4-20 x 1"
10-24	8-32 x 1"	1/4-20 x 1-1/2"	8-32 x 1"	1/4-20 x 1-1/2"	8-32 x 1"	1/4-20 x 1-1/2"
1/4-20	10-24 x 3/4"	1/4-20 x 2"	10-24 x 3/4"	1/4-20 x 2"	10-24 x 3/4"	1/4-20 x 2"
	10-24 x 1"		10-24 x 1"		10-24 x 1"	

Numbers in assortment

THUMB SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

Perfect for applications that require hand tightening.



- High quality steel.
- Precision rolled threads.
- Available with shoulder (Type S) or without shoulder (Type P).
- Flattened head for easy grip.
- Shoulder type provides larger bearing surface.

LENGTH	DIA. 10-24 PART NUMBER TYPE "P"	TYPE "S"	QTY	DIA. 10-32 PART NUMBER TYPE "P"	TYPE "S"	QTY	DIA. 1/4-20 PART NUMBER TYPE "P"	TYPE "S"	QTY	DIA. 5/16-18 PART NUMBER TYPE "P"	TYPE "S"	QTY	DIA. 3/8-16 PART NUMBER TYPE "P"	TYPE "S"	QTY
1/2	505650	505675	25	505651	505676	25	505652	505677	25	---	---	-	---	---	-
3/4	---	---	-	---	---	-	505653	505678	25	505657	505682	25	505661	505686	10
1	---	---	-	---	---	-	505654	505679	25	505658	505683	25	505662	505687	10
1-1/2	---	---	-	---	---	-	505655	505680	25	505659	505684	25	505663	505688	10
2	---	---	-	---	---	-	505656	505681	25	505660	505685	10	505664	505689	10

HEX HEAD LAG SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- Sharp gimlet point.
- Low carbon steel.
- Clean sharp burr free threads.

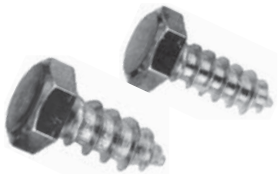


LENGTH	DIA. 1/4 PART NUMBER	QTY	DIA. 5/16 PART NUMBER	QTY	DIA. 3/8 PART NUMBER	QTY	DIA. 1/2 PART NUMBER	QTY
1	53375	50	53379	50	53384	25	---	-
1-1/4	53801	50	---	-	---	-	---	-
1-1/2	53376	50	53380	50	53385	25	53389	25
1-3/4	---	-	53805	50	---	-	---	-
2	53377	50	53381	50	53386	25	53390	25
2-1/2	53802	25	53806	25	53808	25	53812	25
3	53378	25	53382	25	53387	25	53391	25
3-1/2	53803	25	53807	25	53809	25	53813	25
4	53804	25	53383	25	53388	25	53392	25
4-1/2	53817	25	53821	25	53810	10	53814	10
5	53818	25	53822	25	53811	10	53815	10
5-1/2	53819	25	53823	10	53825	10	53829	10
6	53820	25	53824	10	53826	10	53816	10
7	---	-	---	-	53827	10	53830	10
8	---	-	---	-	53828	10	53831	10
10	---	-	---	-	---	-	53832	10

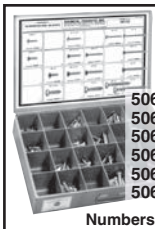
LAG and WOOD SCREWS

GALVANIZED HEX HEAD LAG SCREWS

- Hot dipped galvanized for superior resistance to corrosion.
- Highly recommended for exterior use.
- Ideal for any wood installation.
- Used by marinas, construction companies, highway departments, recreation departments and parks.
- Sharp gimlet point.



	DIA. 1/4		DIA. 5/16		DIA. 3/8		DIA. 1/2		DIA. 5/8		DIA. 3/4	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1	506225	50	506237	50	506249	25	---	-	---	-	---	-
1-1/4	506226	50	506238	50	506250	25	---	-	---	-	---	-
1-1/2	506227	50	506239	50	506251	25	506264	10	---	-	---	-
2	506228	50	506240	50	506252	25	506265	10	506277	5	---	-
2-1/2	506229	50	506241	25	506253	25	506266	10	506278	5	506289	5
3	506230	50	506242	25	506254	25	506267	10	506279	5	506290	5
3-1/2	506231	50	506243	25	506255	25	506268	10	506280	5	---	-
4	506232	25	506244	25	506256	10	506269	10	506281	5	506291	5
4-1/2	506233	25	506245	25	506257	10	506270	10	506282	5	---	-
5	506234	25	506246	25	506258	10	506271	10	506283	5	506292	5
5-1/2	506235	25	506247	25	506259	10	506272	10	---	-	---	-
6	506236	25	506248	25	506260	10	506273	10	506284	5	506293	5
7	---	-	---	-	506261	10	506274	5	506285	5	506294	5
8	---	-	---	-	506262	10	506275	5	506286	5	506295	2
10	---	-	---	-	506263	10	506276	5	506287	5	506296	2
12	---	-	---	-	---	-	---	-	506288	5	506297	2



Part No. 501725
112 pieces • 16 items
12017 steel tray

506225	506240	506264
506227	506242	506265
506228	506249	506267
506230	506251	506269
506237	506252	
506239	506254	

Numbers in assortment

FLAT HEAD SLOTTED WOOD SCREWS

	DIA. NO. 2		DIA. NO. 4		DIA. NO. 5		DIA. NO. 6		DIA. NO. 7		DIA. NO. 8		DIA. NO. 9		DIA. NO. 10	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/4	53310	200	---	-	---	-	---	-	---	-	---	-	---	-	---	-
3/8	---	-	533500	100	533503	100	---	-	---	-	---	-	---	-	---	-
1/2	53312	200	53315	200	533504	100	53324	200	533510	100	53336	200	---	-	533526	100
3/4	---	-	53318	200	533505	100	53327	200	533511	100	53338	200	533519	100	53350	200
1	---	-	53321	200	533506	100	53330	200	533512	100	53341	200	533520	100	53353	200
1-1/4	---	-	533501	100	533507	100	533540	100	533513	100	53370	100	533521	50	53372	100
1-1/2	---	-	533502	50	---	-	53333	100	533514	50	53344	100	533522	50	53356	100
1-3/4	---	-	---	-	---	-	533508	50	533515	50	53371	100	533541	50	533527	100
2	---	-	---	-	---	-	533509	50	533516	50	53347	100	533523	50	53359	100
2-1/2	---	-	---	-	---	-	---	-	---	-	533517	50	533524	50	533528	50
3	---	-	---	-	---	-	---	-	---	-	533518	50	533525	50	533529	50

	DIA. NO. 12		DIA. NO. 14	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY
3/4	533530	100	533534	50
1	53362	200	53397	100
1-1/4	53374	100	53398	100
1-1/2	53364	100	53399	100
1-3/4	533531	50	533535	25
2	53366	100	533536	25
2-1/2	533532	50	533537	25
3	533533	50	533538	25
3-1/2	---	-	533539	25

Protected by
LUSTERPLATE™
against rust & corrosion

- Alloy steel.
- Conforms to ANSI B18.6.1 specifications.
- Sharp gimlet point.
- Deep slotted heads.





Part No. 501007
415 pieces • 22 items • 12017 steel tray

53315	53327	53336	53344	53356	53370	53374	53399
53318	53330	53338	53350	53362	53371	53397	
53324	53333	53341	53353	53364	53372	53398	

Numbers in assortment

Part No. 533004
270 pieces • 12 items • 12030 plastic tray

53324	53330	53338	53353	53364	53399
53327	53336	53341	53362	53397	533526

Numbers in assortment

WOOD SCREWS

FLAT HEAD PHILLIPS WOOD SCREWS

LENGTH	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 5 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 7 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 9 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 12 PART NUMBER	QTY
3/8	**512127**	100	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
1/2	**512100**	100	**512129**	100	**512103**	100	**512136**	100	**512107**	100	**---**	-	**512082**	100	**---**	-
3/4	**512101**	100	**512130**	100	**512104**	100	**512137**	100	**512108**	100	**512075**	100	**512114**	100	**512086**	100
1	**512102**	100	**512131**	100	**512105**	100	**512138**	100	**512109**	100	**512076**	100	**512115**	100	**512119**	100
1-1/4	**512128**	50	**512132**	50	**512133**	50	**512139**	50	**512110**	50	**512077**	50	**512116**	50	**512120**	50
1-1/2	**---**	-	**---**	-	**512106**	50	**512140**	50	**512111**	50	**512078**	50	**512117**	50	**512121**	50
1-3/4	**---**	-	**---**	-	**512134**	50	**512141**	50	**512112**	50	**512079**	50	**512083**	50	**512087**	50
2	**---**	-	**---**	-	**512135**	50	**512142**	50	**512113**	50	**512080**	50	**512118**	50	**512122**	50
2-1/2	**---**	-	**---**	-	**---**	-	**---**	-	**512143**	50	**512081**	50	**512084**	50	**512088**	25
3	**---**	-	**---**	-	**---**	-	**---**	-	**512144**	50	**---**	-	**512085**	25	**512089**	25

Protected by **LUSTERPLATE™** against rust & corrosion



Part No. 501455
415 pieces • 22 items • 12017 steel tray

512100	**512104**	**512107**	**512110**	**512114**	**512117**	**512121**	**512125**
512101	**512105**	**512108**	**512111**	**512115**	**512119**	**512123**	
512103	**512106**	**512109**	**512112**	**512116**	**512120**	**512124**	

Numbers in assortment

- **Alloy steel.**
- **Conforms to ANSI B18.6.1 specifications.**
- **Sharp gimlet point.**



LENGTH	DIA. NO. 14 PART NUMBER	QTY
1	**512123**	50
1-1/4	**512124**	50
1-1/2	**512125**	50
1-3/4	**512090**	50
2	**512126**	50
2-1/2	**512091**	50
3	**512092**	50
3-1/2	**512093**	50

FLAT HEAD SQUARE DRIVE *(ROBERTSON®)* WOOD SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion



- **High quality carbon steel.**
- **Square recess for maximum driving torque.**
- **Reduces driver bit "Cam-Out".**
- **Sharp threads for faster driving.**
- **NO screwdriver slippage, or marred work.**

LENGTH	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY
3/4	**512150**	100	**512154**	100	**512159**	100
1	**512151**	100	**512155**	100	**512160**	100
1-1/4	**512152**	100	**512156**	100	**512161**	100
1-1/2	**512153**	100	**512157**	100	**512162**	100
2	**---**	-	**512158**	100	**512163**	100

See page D10-43 for Square Recess Screwdrivers.

Part No. 501486
755 pieces • 14 items • 12050 steel tray

512150	**512153**	**512156**	**512159**	**512162**
512151	**512154**	**512157**	**512160**	**512163**
512152	**512155**	**512158**	**512161**	

Numbers in assortment

Part No. 512001
360 pieces • 12 items • 12038 plastic tray

512150	**512152**	**512154**	**512156**	**512158**	**512162**
512151	**512153**	**512155**	**512157**	**512160**	**512163**

Numbers in assortment

OVAL HEAD SLOTTED WOOD SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion



- **Alloy steel.**
- **Sharp gimlet point.**
- **Conforms to ANSI B18.6.1 specifications.**
- **Deep slotted heads.**

LENGTH	DIA. NO. 4 PART NUMBER	QTY	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY
1/2	**53317**	200	**53326**	200	**---**	-	**---**	-
3/4	**53320**	200	**53329**	200	**53340**	200	**53352**	200
1	**53323**	200	**53332**	200	**53343**	200	**53355**	200
1-1/2	**---**	-	**53335**	200	**53346**	100	**53358**	100
2	**---**	-	**---**	-	**53349**	100	**53361**	100

WOOD and FLOORBOARD SCREWS

ROUND HEAD SLOTTED WOOD SCREWS

	DIA. NO. 2		DIA. NO. 4		DIA. NO. 5		DIA. NO. 6		DIA. NO. 7		DIA. NO. 8		DIA. NO. 9		DIA. NO. 10	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/4	**53311**	200	**53314**	200	---	-	---	-	---	-	---	-	---	-	---	-
1/2	**53313**	200	**53316**	200	**512201**	50	**53325**	200	**512208**	50	**53337**	200	---	-	**512226**	100
3/4	---	-	**53319**	200	**512202**	50	**53328**	200	**512209**	50	**53339**	200	**512220**	50	**53351**	200
1	---	-	**53322**	200	**512203**	50	**53331**	200	**512210**	50	**53342**	200	**512221**	50	**53354**	200
1-1/4	---	-	**512200**	50	**512204**	50	**512205**	50	**512211**	50	**512215**	50	**512222**	50	**512227**	50
1-1/2	---	-	---	-	---	-	**53334**	100	**512212**	50	**53345**	100	**512223**	50	**53357**	100
1-3/4	---	-	---	-	---	-	**512206**	25	**512213**	50	**512216**	50	**512224**	50	**512228**	50
2	---	-	---	-	---	-	**512207**	25	**512214**	50	**53348**	100	**512225**	25	**53360**	100
2-1/2	---	-	---	-	---	-	---	-	---	-	**512217**	25	---	-	**512229**	25
3	---	-	---	-	---	-	---	-	---	-	**512218**	25	---	-	**512230**	25
3-1/2	---	-	---	-	---	-	---	-	---	-	**512219**	25	---	-	---	-

	DIA. NO. 12		DIA. NO. 14	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY
3/4	**512231**	100	---	-
1	**53363**	200	**512236**	25
1-1/4	**512232**	50	**512237**	25
1-1/2	**53365**	100	**512238**	25
1-3/4	**512233**	50	**512239**	25
2	**53367**	100	**512240**	10
2-1/2	**512234**	25	**512241**	10
3	**512235**	25	**512242**	10
3-1/2	---	-	**512243**	10

Protected by **LUSTERPLATE™** against rust & corrosion

- **Alloy steel.**
- **Conforms to ANSI B18.6.1 specifications.**
- **Sharp gimlet point.**
- **Deep slotted heads.**



Part No. 501503
510 pieces • 22 items • 12017 steel tray

53316	**53328**	**53337**	**53345**	**53357**	**512215**	**512232**	**512238**
53319	**53331**	**53339**	**53351**	**53363**	**512216**	**512236**	
53325	**53334**	**53342**	**53354**	**53365**	**512227**	**512237**	

Numbers in assortment

Part No. 512004
270 pieces • 12 items • 12030 plastic tray

53325	**53331**	**53339**	**53351**	**53363**	**512236**
53328	**53337**	**53342**	**53354**	**512232**	**512237**

Numbers in assortment

TORX FLAT HEAD FLOORBOARD SCREWS



	DIA. 1/4-20		DIA. 5/16-18	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY
1	**717675**	100	---	-
1-1/4	**717676**	100	---	-
1-1/2	**717677**	100	**717684**	50
1-3/4	**717678**	100	**717680**	50
2	**717292**	100	**717295**	50
2-1/4	**717679**	100	**717681**	50
2-1/2	**717293**	100	**717682**	50
3	**717294**	50	**717683**	50
3-1/2	**717288**	50	---	-
4	**717289**	50	---	-

- **40% less drive torque required.**
- **Greater thread engagement, greater strip-out and pull-out resistance.**
- **Stronger threads in crossmember.**
- **Coarse threads.**



Protected by **BLACK OXIDE FINISH™** against rust & corrosion



TORX BITS 1/4 DRIVE		
SCREW DIA.	PART NUMBER	
1/4	**113190**	T-30
5/16	**113191**	T-40

FLAT HEAD TYPE "F" FLOORBOARD SCREWS

	SLOTTED		PHILLIPS	
	DIA. 1/4-20		DIA. 1/4-20	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY
1-1/4	**717296**	100	**717401**	50
1-1/2	**717297**	100	**717402**	50
2	**717290**	100	**717403**	50
2-1/2	**717291**	100	**717404**	50
3	**717298**	50	**717405**	50



- **Type "F" thread cutting point.**
- **Hardened steel.**

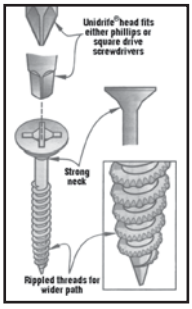


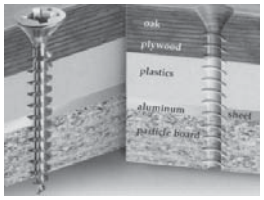
Protected by **LUSTERPLATE™** against rust & corrosion

UNIVERSAL SELF-DRILLING, DRYWALL and TAMPER-PROOF SCREWS

SPAX® FLAT HEAD UNIDRIFE® SELF-DRILLING SCREWS

Works in hardwood, softwood, drywall, chipboard, plywood, treated lumber, plastics, composites and thin sheet metal. Used in industrial MRO, building maintenance, schools, fleet and woodworking.





- No pre-drilling.
- Excellent drivability.
- Extreme tear out resistance.
- Steel - Zinc plated.
- Remarkable thread shape.
- Universal driving for square and phillips with Unidrife®.



Sizes 6 through 14, 3 phillips & 3 sq. drivers
Part No. 501686L
1906 pieces • 25 items • 12071 steel tray

53601	53606	53611	53616	114308
53602	53607	53612	53617	114309
53603	53608	53613	53618	114336
53604	53609	53614	53619	114337
53605	53610	53615	114307	114338

1/2 QUANTITY AVAILABLE ORDER NO. 501686M
Numbers in assortment

	DIA. NO. 6		DIA. NO. 8		DIA. NO. 10		DIA. NO. 12		DIA. NO. 14	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/2	**53601**	100	**---**	-	**---**	-	**---**	-	**---**	-
3/4	**53602**	100	**53605**	100	**53610**	100	**---**	-	**---**	-
1	**53603**	100	**53606**	100	**53611**	100	**53614**	50	**53617**	50
1-1/4	**---**	-	**53607**	100	**53612**	50	**53615**	50	**53618**	50
1-1/2	**53604**	100	**53608**	100	**53613**	50	**53616**	50	**53619**	50
1-3/4	**---**	-	**53609**	50	**---**	-	**---**	-	**---**	-
2	**53625**	50	**53628**	50	**53633**	50	**---**	-	**53620**	50
2-1/4	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
2-1/2	**---**	-	**53629**	50	**53634**	50	**53638**	50	**53621**	50
2-3/4	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
3	**---**	-	**53630***	50	**53635**	50	**---**	-	**53622**	50

***Not Fully Threaded**

DRYWALL SCREWS

Protected by **BLACK PHOSPHATE™** against rust & corrosion

- Bugle phillips head.
- Hardened steel.



Sizes: 6 x 1"through 8 x 3"
USS (COARSE)
Part No. 501557
600 pieces • 8 items
12061 steel tray

505270	505272	505276	505280
505271	505273	505277	505282

Numbers in assortment

	DIA. NO. 6			DIA. NO. 7			DIA. NO. 8			DIA. NO. 10		
LENGTH	PART NUMBER FINE	PART NUMBER COARSE	QTY	PART NUMBER FINE	PART NUMBER COARSE	QTY	PART NUMBER FINE	PART NUMBER COARSE	QTY	PART NUMBER FINE	PART NUMBER COARSE	QTY
1	**505251**	**505270**	500	**---**	**---**	-	**---**	**---**	-	**---**	**---**	-
1-1/8	**505252**	**505271**	500	**---**	**---**	-	**---**	**---**	-	**---**	**---**	-
1-1/4	**505253**	**505272**	500	**---**	**---**	-	**---**	**---**	-	**---**	**---**	-
1-1/2	**505263**	**505273**	500	**---**	**---**	-	**---**	**---**	-	**---**	**---**	-
1-5/8	**505254**	**505274**	500	**---**	**---**	-	**---**	**---**	-	**---**	**---**	-
1-3/4	**---**	**505275**	500	**---**	**---**	-	**---**	**---**	-	**---**	**---**	-
2	**505255**	**505276**	500	**---**	**505278**	250	**---**	**---**	-	**---**	**---**	-
2-1/4	**505256**	**505277**	500	**505264**	**505279**	250	**---**	**---**	-	**---**	**---**	-
2-1/2	**---**	**---**	-	**---**	**---**	-	**505257**	**505280**	500	**---**	**---**	-
2-3/4	**---**	**---**	-	**---**	**---**	-	**505265**	**505281**	250	**---**	**---**	-
3	**---**	**---**	-	**---**	**---**	-	**505258**	**505282**	500	**---**	**---**	-
3-1/2	**---**	**---**	-	**---**	**---**	-	**---**	**---**	-	**505266**	**505283**	100
3-3/4	**---**	**---**	-	**---**	**---**	-	**---**	**---**	-	**505259**	**---**	100
4	**---**	**---**	-	**---**	**---**	-	**---**	**---**	-	**505267**	**505284**	100
4-1/2	**---**	**---**	-	**---**	**---**	-	**---**	**---**	-	**505260**	**---**	100
5	**---**	**---**	-	**---**	**---**	-	**---**	**---**	-	**505261**	**---**	100
6	**---**	**---**	-	**---**	**---**	-	**---**	**---**	-	**505262**	**---**	100

TAMPER-PROOF MACHINE SCREWS and NUTS



Part No. 505018
360 pieces • 15 items • 12040 plastic tray

505925	505927	505929	505931	505933	505935	505937	505939
505926	505928	505930	505932	505934	505936	505938	

Numbers in assortment

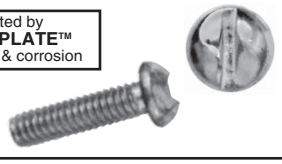


Sizes 8-32 x 1/2" through 1/4-20" x 1-1/2", 3 sizes of the Un-Do-It drivers
Part No. 501642
463 pieces • 22 items • 12056 steel tray

51123	113231	505926	505930	505934	505938
51124	113232	505927	505931	505935	505939
51125	113233	505928	505932	505936	
51127	505925	505929	505933	505937	

Numbers in assortment

Protected by **LUSTERPLATE™** against rust & corrosion



- Round head one-way slot.
- Cannot be removed with conventional tools.
- Stops vandalism and loss.

	DIA. 8-32		DIA. 10-24		DIA. 10-32		DIA. 14-20	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/2	**505925**	50	**505928**	50	**505933**	50	**505936**	50
5/8	**---**	-	**505929**	50	**---**	-	**---**	-
3/4	**505926**	50	**505930**	50	**505934**	50	**505937**	50
1	**505927**	50	**505931**	50	**505935**	50	**505938**	50
1-1/4	**---**	-	**505932**	50	**---**	-	**---**	-
1-1/2	**---**	-	**---**	-	**---**	-	**505939**	50

TAMPER-PROOF, MISCELLANEOUS and SET SCREWS

TAMPER-PROOF SHEET METAL SCREWS

- Round head one-way slot.



LENGTH	DIA. NO. 6 PART NUMBER	QTY	DIA. NO. 8 PART NUMBER	QTY	DIA. NO. 10 PART NUMBER	QTY	DIA. NO. 14 PART NUMBER	QTY
1/2	**505901**	50	**505904**	50	**505907**	50	**---**	-
5/8	**---**	-	**---**	-	**---**	-	**---**	-
3/4	**505902**	50	**505905**	50	**505909**	50	**505913**	50
1	**505903**	50	**---**	-	**505910**	50	**505914**	50
1-1/4	**---**	-	**---**	-	**505911**	50	**---**	-
1-1/2	**---**	-	**---**	-	**---**	-	**505915**	50



Part No. 505017
285 pieces • 12 items • 12040 plastic tray

505901 **505902** **505903** **505904** **505905** **505907** **505909** **505910** **505913** **505914** **505915**

Numbers in assortment

UN-DO-IT®

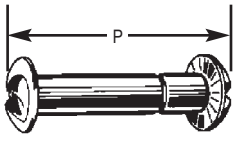
PART NUMBER	FOR SCREW SIZES	SHAFT DIA.
113231	4-6-8	5/16
113232	10-12	3/8
113233	14-18	7/16
	1/4-3/8	

The only tool of its kind. Removes one-way tamper-proof screws quickly, easily.



TAMPER-PROOF SEX BOLTS

Designed to be used with brackets to mount privacy partitions, latches, rails, grab bars, dispensers and other lavatory fixtures anywhere where a solid through bolting application is needed.



Locking Serration Sets

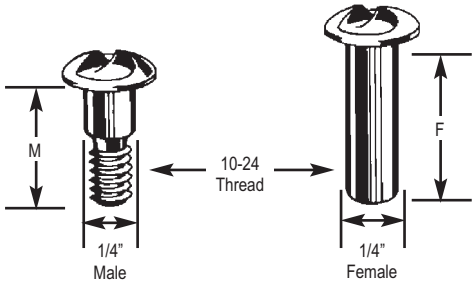




ONE-WAY Slotted Truss Head

- Fits all 1/4" diameter holes.
- One way slotted truss head.
- 10-24 threads on both male and female parts.
- 18-8 stainless steel for corrosion resistance.
- Knurled under head to prevent slipping.
- Available as sets, or individually as male or female parts.
- Easily installed with a standard slotted screwdriver.
- Removed only with a one way removal tool #113232.

MAKEUP OF SETS:				
MALE	+	FEMALE	=	PARTITION
1/2"	+	1/2"	=	3/4"
3/4"	+	3/4"	=	1"
3/4"	+	1"	=	1-1/4"



MALE LENGTH "M"	PART NUMBER	QTY
1/2	**505950**	10
3/4	**505951**	10
--	**---**	-

FEMALE LENGTH "F"	PART NUMBER	QTY
1/2	**505952**	10
3/4	**505953**	10
1	**505954**	10

SETS PARTITION SIZE "P"	PART NUMBER	QTY
3/4	**505955**	10
1	**505956**	10
1-1/4	**505957**	10

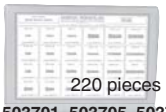
SQUARE HEAD SET SCREWS

- Heat treated alloy steel.
- Cup point.
- Coarse threads.
- Class 3A fully formed threads.



Protected by **BLACK OXIDE FINISH™** against rust & corrosion

LENGTH	DIA. 1/4-20 PART NUMBER	QTY	DIA. 5/16-18 PART NUMBER	QTY	DIA. 3/18-16 PART NUMBER	QTY	DIA. 7/16-14 PART NUMBER	QTY	DIA. 1/2-13 PART NUMBER	QTY
1/2	**503701**	50	**503705**	50	**503711**	50	**---**	-	**---**	-
5/8	**---**	-	**---**	-	**503712**	50	**---**	-	**---**	-
3/4	**503702**	50	**503706**	50	**503713**	50	**503718**	20	**---**	-
1	**503703**	50	**503707**	50	**503714**	50	**503719**	20	**503722**	20
1-1/4	**503704**	50	**503708**	50	**503715**	30	**---**	-	**503723**	20
1-1/2	**503730**	50	**503709**	50	**503716**	30	**503720**	20	**503724**	20
2	**503731**	50	**503710**	50	**503717**	30	**---**	-	**503725**	10
2-1/4	**---**	-	**---**	-	**---**	-	**503721**	20	**503726**	10
2-1/2	**---**	-	**---**	-	**---**	-	**---**	-	**503727**	10
2-3/4	**---**	-	**---**	-	**---**	-	**---**	-	**503728**	10
3	**---**	-	**---**	-	**---**	-	**---**	-	**503729**	10



Sizes: 1/4-20 x 1/2" through 1/2-13 x 2"
Part No. 501038
220 pieces • 24 items • 12017 steel tray

503701 **503702** **503703** **503704** **503705** **503706** **503707** **503708** **503709** **503710** **503711** **503712** **503713** **503714** **503715** **503716** **503717** **503718** **503719** **503720** **503722** **503723** **503724** **503725**

Numbers in assortment

SET SCREWS

SOCKET HEAD SET SCREWS - CUP POINT

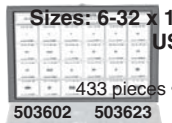
Protected by
BLACK OXIDE FINISH™
against rust & corrosion

- **Heat treated alloy steel.**
- **Class 3A fully formed threads.**



LENGTH	DIA. NO. 6 KEY SIZE 1/16			DIA. NO. 8 KEY SIZE 5/64			DIA. NO. 10 KEY SIZE 3/32			DIA. NO. 1/4 KEY SIZE 1/8		
	PART NUMBER COARSE	PART NUMBER FINE	QTY	PART NUMBER COARSE	PART NUMBER FINE	QTY	PART NUMBER COARSE	PART NUMBER FINE	QTY	PART NUMBER COARSE	PART NUMBER FINE	QTY
1/8	---	503603	100	503605	---	100	---	---	-	---	---	-
3/16	503601	503604	100	503606	503610	100	503613	503617	100	---	---	-
1/4	503602	---	100	503607	503611	100	503614	503618	100	503621	503628	100
5/16	---	---	-	---	503612	100	---	---	-	503622	503629	100
3/8	---	---	-	---	---	-	503615	503619	100	503623	503630	100
1/2	---	---	-	503608	---	100	503616	503620	100	503624	503631	100
3/4	---	---	-	503609	---	100	---	---	-	503625	503632	100
1	---	---	-	---	---	-	---	---	-	503626	---	100
1-1/4	---	---	-	---	---	-	---	---	-	503627	---	50

LENGTH	DIA. 5/16 KEY SIZE 5/32			DIA. 3/8 KEY SIZE 3/16			DIA. 7/16 KEY SIZE 7/32			DIA. 1/2 KEY SIZE 1/4			DIA. 5/8 KEY SIZE 5/16		
	PART NUMBER COARSE	PART NUMBER FINE	QTY	PART NUMBER COARSE	PART NUMBER FINE	QTY	PART NUMBER COARSE	PART NUMBER FINE	QTY	PART NUMBER COARSE	PART NUMBER FINE	QTY	PART NUMBER COARSE	PART NUMBER FINE	QTY
1/4	---	503640	100	---	---	-	---	---	-	---	---	-	---	---	-
5/16	503633	503641	100	---	---	-	---	---	-	---	---	-	---	---	-
3/8	503634	503642	100	503647	503654	100	---	---	-	---	---	-	---	---	-
1/2	503635	503643	100	503648	503655	100	503658	---	50	503663	503671	30	---	---	-
5/8	---	503644	100	---	---	-	---	---	-	---	---	-	---	---	-
3/4	503636	503645	50	503649	503656	50	503659	---	30	503664	503672	30	503674	---	20
1	503637	503646	50	503650	503657	50	503660	---	30	503665	503673	30	503675	---	20
1-1/4	503638	---	50	503651	---	30	---	---	-	503666	---	30	---	---	-
1-1/2	503639	---	50	503652	---	30	503661	---	20	503667	---	20	---	---	-
2	---	---	-	503653	---	30	503662	---	20	503668	---	20	---	---	-
2-1/2	---	---	-	---	---	-	---	---	-	503669	---	10	---	---	-
3	---	---	-	---	---	-	---	---	-	503670	---	10	---	---	-



Sizes: 6-32 x 1/4" through 1/2-13 x 1"
USS (COARSE) & SAE (FINE)
Part No. 501037
433 pieces • 24 items • 12017 steel tray

503602	503623	503633	503643	503659
503607	503624	502634	503647	503663
503614	503625	503635	503648	503664
503618	503628	503636	503649	503665
503621	503630	503641	503658	

Numbers in assortment



MAINTENANCE SHOP
Sizes: 6-32 x 1/4" through 1/2-13 x 1"
Part No. 503003
245 pieces • 18 items • 12040 plastic tray

503602	503624	503635	503663
503607	503625	503636	503664
503614	503628	503643	503665
503618	503630	503649	
503621	503633	503658	

Numbers in assortment



AUTOMOTIVE SHOP
Sizes: 6-32 x 1/4" through 1/2-13 x 1"
Part No. 503004
146 pieces • 18 items • 12026 plastic tray

503602	503624	503635	503663
503607	503625	503636	503664
503614	503628	503643	503665
503618	503630	503649	
503621	503633	503658	

Numbers in assortment

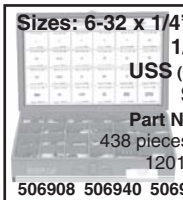
SOCKET HEAD SET SCREWS - KNURLED POINT

Protected by
BLACK OXIDE FINISH™
against rust & corrosion

- **Heat treated alloy steel.**
- **Self-locking.**
- **Class 3A fully formed threads.**
- **Knurled point penetrates contact surface to resist loosening under severe vibration.**
- **Knurled edges increase gripping action and improve holding power.**



LENGTH	DIA. NO. 4 KEY SIZE .050			DIA. NO. 6 KEY SIZE 1/16			DIA. NO. 8 KEY SIZE 5/64			DIA. NO. 10 KEY SIZE 3/32		
	PART NUMBER COARSE	PART NUMBER FINE	QTY	PART NUMBER COARSE	PART NUMBER FINE	QTY	PART NUMBER COARSE	PART NUMBER FINE	QTY	PART NUMBER COARSE	PART NUMBER FINE	QTY
1/8	506901	---	50	506906	---	50	506913	---	50	---	---	-
3/16	506902	---	50	506907	---	50	506914	---	50	506921	506929	50
1/4	506903	---	50	506908	---	50	506915	---	50	506922	506930	50
5/16	506904	---	50	506909	---	50	506916	---	50	506923	506931	50
3/8	506905	---	50	506910	---	50	506917	---	50	506924	506932	50
1/2	---	---	-	506911	---	50	506918	---	50	506925	506933	50
5/8	---	---	-	506912	---	50	506919	---	50	506926	506934	50
3/4	---	---	-	---	---	-	506920	---	50	506927	506935	50
1	---	---	-	---	---	-	---	---	-	506928	506936	25



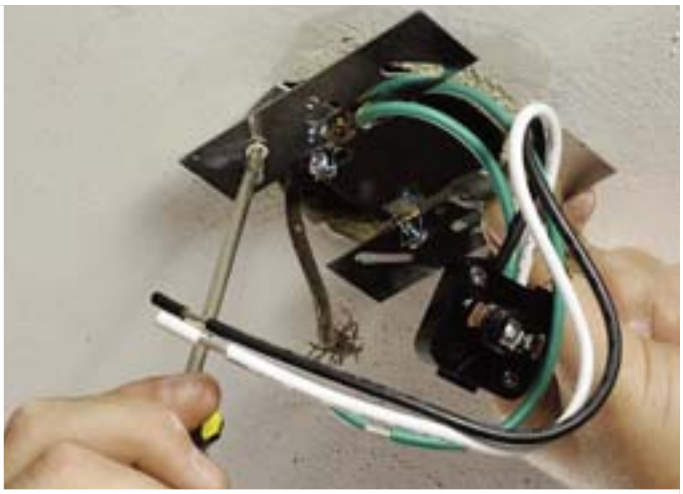
Sizes: 6-32 x 1/4" through 1/2-13 x 1"
USS (COARSE) & SAE (FINE)
Part No. 501685
438 pieces • 24 items
12017 steel tray

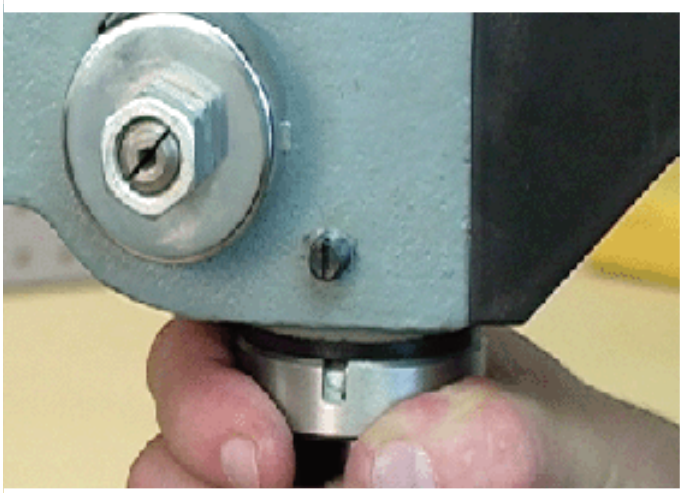
506908	506940	506955	506970
506915	506942	506957	506974
506922	506945	506960	506976
506930	506947	506962	506979
506937	506953	506967	506981
506939	506954	506968	506982

Numbers in assortment

LENGTH	DIA. 1/4 KEY SIZE 1/8			DIA. 5/16 KEY SIZE 5/32			DIA. 3/8 KEY SIZE 3/16			DIA. 1/2 KEY SIZE 1/4		
	PART NUMBER COARSE	PART NUMBER FINE	QTY	PART NUMBER COARSE	PART NUMBER FINE	QTY	PART NUMBER COARSE	PART NUMBER FINE	QTY	PART NUMBER COARSE	PART NUMBER FINE	QTY
1/4	506937	506945	50	---	---	-	---	---	-	---	---	-
5/16	506938	506946	50	506953	506960	50	---	---	-	---	---	-
3/8	506939	506947	50	506954	506961	50	506967	506973	25	---	---	-
1/2	506940	506948	50	506955	506962	50	506968	506974	25	506979	---	10
5/8	506941	506949	50	506956	506963	50	506969	506975	25	506980	---	10
3/4	506942	506950	50	506957	506964	25	506970	506976	25	506981	---	10
1	506943	506951	25	506958	506965	25	506971	506977	25	506982	---	10
1-1/4	506944	506952	25	506959	506966	25	506972	506978	10	506983	---	10

A SECTION FASTENERS & HARDWARE













A15-21 PIX **PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.**

MOST USED METRIC FASTENERS & FACTS

TENSILE STRENGTH	MATERIAL	HEAD	PLATING	ILLUSTRATION
170,000 PSI	Medium Carbon alloy Steel	Standard	Lusterplated To resist rust And corrosion	
128,000 PSI	Medium Carbon Steel	Standard	Lusterplated To resist rust And corrosion	

HEX HEAD CAP SCREWS

- **DIN 931 & 933 (Coarse Thread)**
- **DIN 960 & 961 (Fine & Extra Fine Thread)**
- **Medium Carbon Steel Grade 8.8**
- **Medium Carbon Alloy Steel Grade 10.9**



HEX NUTS

- **DIN 934 (Coarse, Fine & Extra Fine Thread)**
- **Standard Steel Class 8 (Grade 8.8)**
- **Hardened Steel Class 10 (Grade 10.9)**



WASHERS

- **DIN 125 Flat**
- **DIN 127 Split Lock**
- **DIN 137 Spring Lock**
- **Standard Steel Class 8 (Grade 8.8)**
- **Hardened Steel Class 10 (Grade 10.9)**



METRIC FACTS

	COARSE THREAD			FINE THREAD			EXTRA FINE THREAD			WRENCH	
DIA. MM	PITCH MM	APPROX. THREADS PER INCH (AMERICAN)	RECOMMENDED DRILLS (MM)	PITCH MM	APPROX. THREADS PER INCH (AMERICAN)	RECOMMENDED DRILLS (MM)	PITCH MM	APPROX. THREADS PER INCH (AMERICAN)	RECOMMENDED DRILLS (MM)	STD	UND
4	.70	36	3.30	-	-	-	-	-	-	7mm	-
5	.80	32	4.20	-	-	-	-	-	-	8mm	-
6	1.00	25	6.00	-	-	-	-	-	-	10mm	-
7	1.00	25	6.00	-	-	-	-	-	-	11mm	-
8	1.25	20	6.75	1.00	25	7.00	-	-	-	13mm	12mm
10	1.50	17	8.50	1.25	20	8.75	1.00	25	9.00	17mm	14mm
12	1.75	14.5	10.25	1.50	17	10.50	1.25	20	10.75	19mm	17mm
14	2.00	12.5	12.00	1.50	17	12.50	1.25	20	12.75	22mm	-
16	2.00	12.5	14.00	1.50	20	15.00	1.25	20	15.25	24mm	-
20	2.50	10.5	17.50	1.50	17	18.50	-	-	-	30mm	-

- **Pitch is the distance measured between two threads**
- **All metrics comply to D.I.N. and International Standards**

A16

"MOST USED" METRIC FASTENERS

Class 8.8 Hex Head Cap Screws
20 standard thread sizes from 5 x 16mm through 12 x 60mm.

Pan Head Machine Screws
16 standard thread sizes from 3 x 6mm through 6 x 30mm.

Flat Head Machine Screws
15 sizes in 5 diameters from 3 x 6mm through 6 x 30mm.

Class 8 Hex Nuts, Flat and Lock Washers
7 standard thread sizes from 3 to 12mm with matching washers





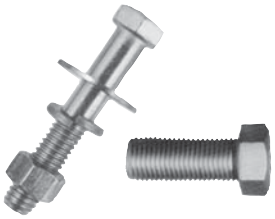
Part No. 501465
Over 2700 pieces • 72 items
12020 (18) drawer steel cabinet

"MOST USED" FINE THREAD METRIC CAP SCREWS AND NUTS for Japanese cars

Class 8.8 Hex Head Cap Screws
DIN 960
22 different caps screws, with standard head sizes, 8 x 16mm to 12 x 50mm.

Class 8.8 Hex Nuts
5 different nuts; 8mm-1.00, 10mm-1.00, 10mm-1.50, 12mm-1.25, 12mm-1.50 pitch sizes.

Combine with Assortment Part No. 501465 for complete automotive metric coverage. Cabinets match exactly.





Part No. 501479
Over 335 pieces • 27 items
12065 (6) drawer steel cabinet

MOST POPULAR METRIC FASTENERS

80 BIN METRIC CLASS 8.8 COARSE & FINE THREAD FASTENERS



- 8.8 Metric cap screws are manufactured from medium carbon steel for a minimum tensile strength of 128,000 PSI.
- The most popular sizes of metric cap screws, nuts, flat washers and lock washers from 4mm through 12mm.
- 80 compartment combination cabinet (Two 40 bin cabinets: 33-3/4" wide x 24" high x 9" deep).

Protected by **LUSTERPLATE™** against rust & corrosion

8.8



COARSE & FINE THREAD

Part No. 501052L
1566 pieces • 63 items
(2) 12021 steel cabinets
1/2 QUANTITY AVAILABLE ORDER NO. 501052M

Assortment Photo for illustration purposes only. Actual Contents may vary.

4-.70 x 20mm	8-1.25 x 10mm	10-1.50 x 50mm	12-1.75 hex nut	10-1.00 x 30mm	12-1.25 x 35mm	4mm flat washer	4mm lock washer
5-.80 x 20mm	8-1.25 x 20mm	12-1.75 x 30mm		10-1.00 x 40mm	12-1.25 x 40mm	5mm flat washer	5mm lock washer
5-.80 x 30mm	8-1.25 x 25mm	12-1.75 x 40mm		10-1.25 x 25mm	12-1.25 x 50mm	6mm flat washer	6mm lock washer
6-1.00 x 10mm	8-1.25 x 30mm	12-1.75 x 50mm		10-1.25 x 35mm	12-1.50 x 25mm	8mm flat washer	8mm lock washer
6-1.00 x 20mm	8-1.25 x 40mm	4-.70 hex nut	8-1.00 x 16mm	10-1.25 x 40mm	12-1.50 x 35mm	10mm flat washer	10mm lock washer
6-1.00 x 25mm	8-1.25 x 50mm	5-.80 hex nut	8-1.00 x 25mm	12-1.25 x 25mm	12-1.50 x 40mm	12mm flat washer	12mm lock washer
6-1.00 x 30mm	10-1.50 x 20mm	6-1.00 hex nut	8-1.00 x 30mm	8-1.00 hex nut	12-1.50 x 50mm		
6-1.00 x 40mm	10-1.50 x 30mm	8-1.25 hex nut	8-1.00 x 40mm	10-1.00 hex nut	10-1.25 hex nut		
6-1.00 x 50mm	10-1.50 x 40mm	10-1.50 hex nut	10-1.00 x 25mm	12-1.25 hex nut	12-1.50 hex nut		
COARSE			FINE				

80 BIN METRIC CLASS 10.9 COARSE THREAD FASTENERS



- Manufactured from medium carbon alloy steel for a minimum tensile strength of 170,000 PSI.
- The most popular sizes of metric cap screws, nuts, flat washers and lock washers from 6mm through 16mm.
- 80 compartment combination cabinet (Two 40 bin cabinets: 33-3/4" wide x 24" high x 9" deep).

10.9



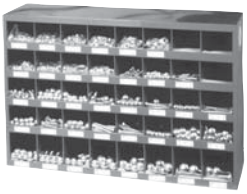
COARSE THREAD

Part No. 501033
1250 pieces • 71 items
(2) 12021 steel cabinets

Assortment Photo for illustration purposes only. Actual Contents may vary.

6mm flat washer	8mm flat washer	10mm flat washer	12mm flat washer	14mm flat washer	16mm flat washer	6mm lock washer	8mm lock washer
10mm lock washer	12mm lock washer	14mm lock washer	16mm lock washer	6mm hex nut	8mm hex nut	10mm hex nut	12mm hex nut
14mm hex nut	16mm hex nut	6mm x 16mm	6mm x 20mm	6mm x 25mm	6mm x 30mm	6mm x 35mm	6mm x 40mm
6mm x 45mm	6mm x 50mm	8mm x 16mm	8mm x 20mm	8mm x 25mm	8mm x 30mm	8mm x 40mm	8mm x 45mm
8mm x 50mm	8mm x 60mm	8mm x 70mm	10mm x 20mm	10mm x 30mm	10mm x 40mm	10mm x 50mm	10mm x 60mm
10mm x 70mm	10mm x 80mm	10mm x 90mm	10mm x 100mm	12mm x 25mm	12mm x 30mm	12mm x 40mm	10mm x 50mm
12mm x 60mm	12mm x 70mm	12mm x 80mm	12mm x 90mm	12mm x 100mm	14mm x 30mm	14mm x 40mm	14mm x 50mm
14mm x 60mm	14mm x 70mm	14mm x 80mm	14mm x 90mm	14mm x 100mm	14mm x 120mm	16mm x 30mm	16mm x 40mm
16mm x 50mm	16mm x 60mm	16mm x 70mm	16mm x 80mm	16mm x 90mm	16mm x 100mm	16mm x 120mm	

40 BIN METRIC CLASS 8.8 COARSE FASTENERS



- Manufactured from medium carbon steel for a minimum tensile strength of 128,000 PSI.
- Popular sizes of metric cap screws, nuts, flat washers and lock washers from 4mm through 12mm.
- 40 compartment combination cabinet (40 bin cabinet: 33-3/4" wide x 24" high x 9" deep).

Protected by **LUSTERPLATE™** against rust & corrosion



8.8



COARSE THREAD

Part No. 501041
646 pieces • 40 items
12021 steel cabinet

Assortment Photo for illustration purposes only. Actual Contents may vary.

4mm flat washer	5mm flat washer	6mm flat washer	8mm flat washer	10mm flat washer	12mm flat washer	4mm lock washer	5mm lock washer
6mm lock washer	8mm lock washer	10mm lock washer	12mm lock washer	4mm hex nut	5mm hex nut	6mm hex nut	8mm hex nut
10mm hex nut	12mm hex nut	4mm x 20mm	5mm x 20mm	5mm x 30mm	6mm x 10mm	6mm x 20mm	6mm x 25mm
6mm x 30mm	6mm x 40mm	6mm x 50mm	8mm x 10mm	8mm x 20mm	8mm x 25mm	8mm x 30mm	8mm x 40mm
8mm x 50mm	10mm x 20mm	10mm x 30mm	10mm x 40mm	10mm x 50mm	12mm x 30mm	12mm x 40mm	12mm x 50mm
COARSE							

A16

MOST POPULAR METRIC FASTENERS

40 BIN METRIC CLASS 8.8 COARSE & FINE THREAD FASTENERS

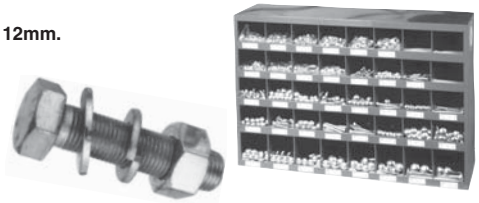
- Manufactured from medium carbon steel for a minimum tensile strength of 128,000 PSI.
- Popular sizes of metric cap screws, nuts, flat washers and lock washers from 4mm through 12mm.
- 40 compartment combination cabinet (40 bin cabinet: 33-3/4" wide x 24" high x 9" deep).

4mm x 20mm	8mm x 40mm	12mm x 50mm	10mm hex nut	10mm x 20mm	12mm x 35mm	4mm flat washer	4mm lock washer
6mm x 10mm	10mm x 30mm	12mm x 60mm	12mm hex nut	10mm x 25mm	12mm x 40mm	6mm flat washer	6mm lock washer
6mm x 25mm	10mm x 40mm	4mm hex nut	8mm x 16mm	10mm x 35mm	8mm hex nut	8mm flat washer	8mm lock washer
8mm x 20mm	10mm x 50mm	6mm hex nut	8mm x 25mm	10mm x 40mm	10mm hex nut	10mm flat washer	10mm lock washer
8mm x 30mm	12mm x 40mm	8mm hex nut	8mm x 35mm	12mm x 25mm	12mm hex nut	12mm flat washer	12mm lock washer
COARSE			FINE				

Protected by **LUSTERPLATE™** against rust & corrosion

8.8





(COARSE) & (FINE) THREAD
Part No. **501054L**
1034 pieces • 40 items
12021 steel cabinet
1/2 QUANTITY AVAILABLE ORDER NO. 501054M

Assortment Photo for illustration purposes only.
Actual Contents may vary.

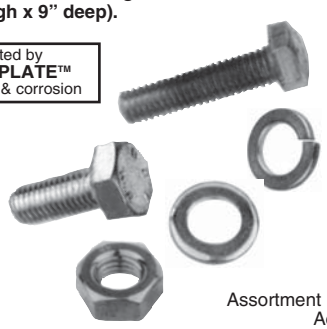
40 BIN METRIC CLASS 10.9 COARSE THREAD FASTENERS

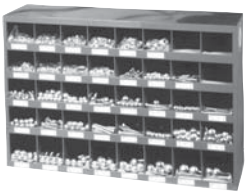
- Manufactured from medium carbon steel for a minimum tensile strength of 170,000 PSI.
- Popular sizes of metric cap screws, nuts, flat washers and lock washers from 6mm through 16mm.
- 40 compartment combination cabinet (40 bin cabinet: 33-3/4" wide x 24" high x 9" deep).

6mm x 20mm	8mm x 60mm	10mm x 70mm	12mm x 90mm	16mm x 60mm	12mm hex nut	10mm flat washer	8mm lock washer
6mm x 40mm	8mm x 70mm	10mm x 80mm	14mm x 40mm	16mm x 100mm	14mm hex nut	12mm flat washer	10mm lock washer
6mm x 50mm	10mm x 20mm	12mm x 35mm	14mm x 60mm	6mm hex nut	16mm hex nut	14mm flat washer	12mm lock washer
8mm x 30mm	10mm x 30mm	12mm x 50mm	14mm x 80mm	8mm hex nut	6mm flat washer	16mm flat washer	14mm lock washer
8mm x 45mm	10mm x 50mm	12mm x 80mm	16mm x 40mm	10mm hex nut	8mm flat washer	6mm lock washer	16mm lock washer
COARSE							

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10.9





(COARSE) THREAD
Part No. **501386**
578 pieces • 40 items
12021 steel cabinet

Assortment Photo for illustration purposes only.
Actual Contents may vary.

A16

18 DRAWER METRIC CLASS 8.8 COARSE & FINE THREAD FASTENERS

4mm x 20mm	6mm x 10mm	6mm x 25mm	8mm x 20mm	8mm x 30mm	8mm x 40mm	COARSE
10mm x 30mm	10mm x 40mm	10mm x 50mm	12mm x 40mm	12mm x 50mm	12mm x 60mm	
8mm x 16mm	8mm x 25mm	8mm x 30mm	10mm x 20mm	10mm x 25mm	10mm x 35mm	FINE
10mm x 40mm	12mm x 25mm	12mm x 35mm	12mm x 40mm			
4mm hex nut	10mm hex nut	10mm hex nut fine	6mm flat washer	12mm flat washer	8mm lock washer	
6mm hex nut	12mm hex nut	12mm hex nut fine	8mm flat washer	4mm lock washer	10mm lock washer	
8mm hex nut	8mm hex nut fine	4mm flat washer	10mm flat washer	6mm lock washer	12mm lock washer	

Protected by **LUSTERPLATE™** against rust & corrosion

8.8

- Manufactured from medium carbon steel, with minimum tensile strength of 128,000 PSI.
- The most popular sizes of metric cap screws, nuts, flat washers from 4mm through 12mm.
- 18 Drawer 12020 Cabinet measures 33-3/4" wide x 11" high x 11-5/8" deep.





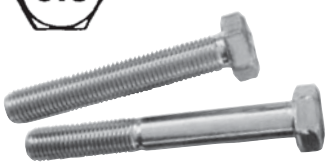
(COARSE) & (FINE) THREAD
Part No. **501053**
517 pieces • 40 items
12020 steel cabinet

16 BIN METRIC CLASS 8.8 COARSE & FINE THREAD CAP SCREWS

- For the customer who needs long bolts.
- The most popular sizes from 6 x 40mm through 10 x 60mm.
- Ideal companion for Assortment No. 501054.

COARSE	6mm x 40mm	6mm x 45mm	6mm x 50mm	6mm x 60mm	8mm x 45mm	8mm x 50mm	8mm x 60mm	10mm x 60mm
FINE	8mm x 40mm	8mm x 50mm	8mm x 60mm	10-1.00 x 50mm	10-1.00 x 60mm	10-1.25 x 50mm	10-1.25 x 60mm	

8.8



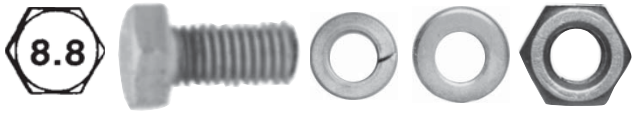


(COARSE) & (FINE) THREAD
Part No. **501060**
159 pieces • 15 items
12058 steel cabinet

METRIC STEEL TRAY ASSORTMENTS

METRIC CLASS 8.8 COARSE & FINE THREAD FASTENERS

- Manufactured from medium carbon steel, with minimum tensile strength of 128,000 PSI.
- Includes cap screws, nuts, flat and lock washers.
- Sizes 6mm through 12mm.



Protected by **LUSTERPLATE™** against rust & corrosion



Part No. 501312 • 456 pieces • 37 items • 12062 steel tray

HEX NUTS	HEX NUTS	HEX NUTS	LOCK WASHERS	FLAT WASHERS	CAP SCREWS	CAP SCREWS	CAP SCREWS	CAP SCREWS
6-1.00	10-1.00	12-1.75	6mm	6mm	6-1.00 x 10mm	8-1.25 x 30mm	10-1.25 x 40mm	12-1.50 x 50mm
7-1.00	10-1.25		7mm	7mm	7-1.00 x 16mm	10-1.00 x 20mm	10-1.50 x 40mm	12-1.75 x 50mm
8-1.00	10-1.50		8mm	8mm	8-1.00 x 16mm	10-1.25 x 20mm	12-1.25 x 30mm	
8-1.25	12-1.25		10mm	10mm	8-1.25 x 16mm	10-1.50 x 20mm	12-1.50 x 30mm	
10-1.00	12-1.50			12mm	8-1.00 x 30mm	10-1.00 x 40mm	12-1.25 x 50mm	

Sizes in assortment

METRIC CLASS 8.8 COARSE THREAD FASTENERS

- Manufactured from medium carbon steel, with minimum tensile strength of 128,000 PSI.
- Includes cap screws, nuts, flat and lock washers.
- Sizes 4mm through 10mm.



Protected by **LUSTERPLATE™** against rust & corrosion

Part No. 501012 • 1064 pieces • 28 items • 12062 steel tray

HEX NUTS	LOCK WASHERS	FLAT WASHERS	CAP SCREWS	CAP SCREWS	CAP SCREWS	CAP SCREWS
5-.80	5mm	5mm	5-.80 x 20mm	6-1.00 x 30mm	8-1.25 x 30mm	10-1.50 x 40mm
6-1.00	6mm	6mm	5-.80 x 30mm	6-1.00 x 40mm	8-1.25 x 40mm	
8-1.25	8mm	8mm	6-1.00 x 10mm	6-1.00 x 50mm	8-1.25 x 50mm	
10-1.50	10mm	10mm	6-1.00 x 20mm	8-1.25 x 20mm	10-1.50 x 20mm	
			6-1.00 x 25mm	8-1.25 x 25mm	10-1.50 x 30mm	

Sizes in assortment

METRIC CLASS 8.8 FINE THREAD FASTENERS

- Manufactured from medium carbon steel, with minimum tensile strength of 128,000 PSI.
- Includes cap screws, nuts, flat and lock washers.
- Sizes 8mm through 14mm.



Protected by **LUSTERPLATE™** against rust & corrosion

Part No. 501036 • 331 pieces • 31 items • 12062 steel tray

HEX NUTS	LOCK WASHERS	FLAT WASHERS	CAP SCREWS	CAP SCREWS	CAP SCREWS	CAP SCREWS
8-1.00	8mm	8mm	8-1.00 x 20mm	10-1.00 x 30mm	10-1.25 x 50mm	12-1.50 x 50mm
10-1.00	10mm	10mm	8-1.00 x 30mm	10-1.25 x 30mm	12-1.50 x 25mm	14-1.50 x 35mm
10-1.25	12mm	12mm	8-1.00 x 35mm	10-1.00 x 35mm	12-1.50 x 30mm	14-1.50 x 50mm
12-1.50	14mm	14mm	8-1.00 x 40mm	10-1.00 x 40mm	12-1.50 x 35mm	
14-1.50			10-1.00 x 20mm	10-1.00 x 50mm	12-1.50 x 40mm	

Sizes in assortment

METRIC CLASS 10.9 COARSE THREAD FASTENERS

- Manufactured from medium carbon alloy steel for a minimum tensile strength of 170,000 PSI.
- Includes cap screws, nuts, flat and lock washers.
- Sizes 6mm through 16mm.



Part No. 501387 • 505 pieces • 37 items • 12062 steel tray

HEX NUTS	HEX NUTS	LOCK WASHERS	LOCK WASHERS	FLAT WASHERS	LOCK WASHERS	CAP SCREWS	CAP SCREWS	CAP SCREWS	CAP SCREWS
6-1.00	16-2.00	6mm	16mm	6mm	16mm	6-1.00 x 16mm	8-1.25 x 40mm	10-1.50 x 50mm	14-2.00 x 50mm
8-1.25		8mm		8mm		6-1.00 x 25mm	8-1.25 x 50mm	12-1.75 x 25mm	14-2.00 x 70mm
10-1.50		10mm		10mm		6-1.00 x 45mm	10-1.50 x 25mm	12-1.75 x 40mm	16-2.00 x 50mm
12-1.75		12mm		12mm		8-1.25 x 20mm	10-1.50 x 35mm	12-1.75 x 60mm	16-2.00 x 70mm
14-2.00		14mm		14mm		8-1.25 x 30mm	10-1.50 x 40mm	12-1.75 x 70mm	

Sizes in assortment

METRIC STEEL and PLASTIC TRAY ASSORTMENTS

METRIC CLASS 8.8 COARSE & FINE THREAD FASTENERS

Protected by **LUSTERPLATE™** against rust & corrosion



- Manufactured from medium carbon steel, with minimum tensile strength of 128,000 PSI.
- Includes cap screws, nuts, flat and lock washers.
- Sizes 6mm through 12mm.

Part No. 553201 • 137 pieces • 42 items • 12044 plastic tray

HEX NUTS	HEX NUTS	LOCK WASHERS	FLAT WASHERS	CAP SCREWS	CAP SCREWS	CAP SCREWS	CAP SCREWS	CAP SCREWS	CAP SCREWS
6-1.00	12-1.50	6mm	6mm	6-1.00 x 10mm	8-1.25 x 16mm	10-1.00 x 16mm	10-1.00 x 35mm	12-1.50 x 25mm	12-1.75 x 50mm
8-1.00	12-1.75	8mm	8mm	6-1.00 x 16mm	8-1.25 x 20mm	10-1.00 x 20mm	10-1.50 x 35mm	12-1.75 x 30mm	
8-1.25		10mm	10mm	6-1.00 x 20mm	8-1.00 x 25mm	10-1.00 x 25mm	10-1.00 x 40mm	12-1.50 x 35mm	
10-1.50		12mm	12mm	8-1.25 x 10mm	8-1.25 x 30mm	10-1.50 x 25mm	10-1.50 x 40mm	12-1.75 x 40mm	
10-1.00				8-1.00 x 16mm	8-1.00 x 35mm	10-1.00 x 30mm	10-1.00 x 50mm	12-1.50 x 40mm	

Sizes in assortment

METRIC CLASS 10.9 COARSE THREAD FASTENERS



- Manufactured from medium carbon alloy steel for a minimum tensile strength of 170,000 PSI.
- Includes cap screws, nuts, flat and lock washers.
- Sizes 5mm through 10mm.

Part No. 630150 • 174 pieces • 37 items • 12044 plastic tray

HEX NUTS	LOCK WASHERS	FLAT WASHERS	CAP SCREWS	CAP SCREWS	CAP SCREWS	CAP SCREWS
6-1.800	6mm	6mm	6-1.00 x 16mm	8-1.25 x 50mm	12-1.75 x 50mm	16-2.00 x 80mm
8-1.25	8mm	8mm	6-1.00 x 25mm	10-1.50 x 25mm	12-1.75 x 70mm	
10-1.50	10mm	10mm	6-1.00 x 40mm	10-1.50 x 35mm	14-2.00 x 50mm	
12-1.75	12mm	12mm	8-1.25 x 20mm	10-1.50 x 40mm	14-2.00 x 80mm	
14-2.00	14mm	14mm	8-1.25 x 30mm	10-1.50 x 60mm	16-2.00 x 40mm	
16-2.00	16mm	16mm	8-1.25 x 40mm	12-1.75 x 30mm	16-2.00 x 60mm	

Sizes in assortment

METRIC CLASS 10.9 FINE THREAD FASTENERS



- Manufactured from medium carbon alloy steel for a minimum tensile strength of 170,000 PSI.
- Includes cap screws, nuts, flat and lock washers.
- Sizes 8mm through 14mm.

Part No. 501731 • 269 pieces • 31 items • 12062 steel tray

HEX NUTS	LOCK WASHERS	FLAT WASHERS	CAP SCREWS	CAP SCREWS	CAP SCREWS	CAP SCREWS
8-1.00	8mm	8mm	8-1.00 x 20mm	10-1.00 x 30mm	10-1.25 x 50mm	12-1.50 x 50mm
10-1.00	10mm	10mm	8-1.00 x 30mm	10-1.25 x 30mm	12-1.50 x 25mm	14-1.50 x 35mm
10-1.25	12mm	12mm	8-1.00 x 35mm	10-1.00 x 35mm	12-1.50 x 30mm	14-1.50 x 50mm
12-1.25	14mm	14mm	8-1.00 x 40mm	10-1.00 x 40mm	12-1.50 x 35mm	
14-1.50			10-1.00 x 20mm	10-1.00 x 50mm	12-1.50 x 40mm	

Sizes in assortment

METRIC CLASS 10.9 COARSE THREAD FASTENERS



- Manufactured from medium carbon alloy steel for a minimum tensile strength of 170,000 PSI.
- Includes cap screws, nuts, flat and lock washers.
- Sizes 12mm through 24mm.

Part No. 501793 • 228 pieces • 40 items • 12021 steel cabinet

HEX NUTS	LOCK WASHERS	FLAT WASHERS	CAP SCREWS	CAP SCREWS	CAP SCREWS	CAP SCREWS	CAP SCREWS	CAP SCREWS
20mm	20mm	20mm	12-1.75 x 120mm	20-2.50 x 40mm	20-2.50 x 100mm	20-2.50 x 180mm	24-3.00 x 80mm	24-3.00 x 140mm
24mm	24mm	24mm	16-2.00 x 130mm	20-2.50 x 50mm	20-2.50 x 110mm	20-2.50 x 200mm	24-3.00 x 90mm	24-3.00 x 160mm
			16-2.00 x 140mm	20-2.50 x 60mm	20-2.50 x 120mm	24-3.00 x 40mm	24-3.00 x 100mm	24-3.00 x 180mm
			16-2.00 x 160mm	20-2.50 x 70mm	20-2.50 x 130mm	24-3.00 x 50mm	24-3.00 x 110mm	24-3.00 x 200mm
			16-2.00 x 180mm	20-2.50 x 80mm	20-2.50 x 140mm	24-3.00 x 60mm	24-3.00 x 120mm	
			16-2.00 x 200mm	20-2.50 x 90mm	20-2.50 x 160mm	24-3.00 x 70mm	24-3.00 x 130mm	

Sizes in assortment

METRIC HEX HEAD CAP SCREWS

CLASS 10.9 COARSE THREAD

- DIN 931 & 933.
- Comparable to Grade 8 strength in Fractional Hardware.
- Longer lengths may be partially threaded.

	DIA. 6mm PITCH 1.00		DIA. 8mm PITCH 1.25		DIA. 10mm PITCH 1.50		DIA. 12mm PITCH 1.75		DIA. 14mm PITCH 2.00		DIA. 16mm PITCH 2.00		DIA. 20mm PITCH 2.50		DIA. 24mm PITCH 3.00	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
12mm	630275	25	---	-	---	-	---	-	---	-	---	-	---	-	---	-
14mm	630276	25	---	-	---	-	---	-	---	-	---	-	---	-	---	-
16mm	630110	25	630279	25	630285	12	---	-	---	-	---	-	---	-	---	-
18mm	630116	25	630126	25	---	-	---	-	---	-	---	-	---	-	---	-
20mm	630111	25	630119	25	630128	12	630288	12	---	-	---	-	---	-	---	-
25mm	630112	25	630280	25	630129	12	630139	12	630295	6	---	-	---	-	---	-
30mm	630277	25	630120	25	630130	12	630140	12	630151	6	630167	6	---	-	---	-
35mm	630278	25	630281	25	630131	12	630141	12	630296	6	630299	6	---	-	---	-
40mm	630113	25	630121	25	630132	12	630142	12	630153	6	630161	6	630418	3	630321	3
45mm	630114	25	630122	25	630401	12	630289	12	630408	6	630300	6	630419	3	630336	3
50mm	630115	25	630123	25	630133	12	630143	12	630154	6	630162	6	630307	3	630322	3
55mm	---	-	630282	25	630402	12	630290	12	630409	6	630301	6	630308	3	630337	3
60mm	---	-	630124	25	630134	12	630144	12	630155	6	630163	6	630309	3	630323	3
65mm	---	-	630283	25	630403	12	630291	6	630410	6	630302	6	630310	3	630338	3
70mm	---	-	630125	25	630135	12	630145	6	630156	6	630164	6	630311	3	630324	3
75mm	---	-	630284	12	630404	12	630292	6	630411	6	630303	6	630312	3	630339	3
80mm	---	-	---	-	630136	12	630146	6	630157	6	630165	6	630313	3	630325	3
90mm	---	-	---	-	630286	6	630147	3	630297	3	630304	3	630314	3	630326	3
100mm	---	-	---	-	630287	3	630148	3	630158	3	630166	3	630315	3	630327	3
110mm	---	-	---	-	630405	3	630293	3	630298	3	630305	3	630316	2	630328	2
120mm	---	-	---	-	630406	3	630294	3	630159	3	630306	3	630317	2	630329	2
130mm	---	-	---	-	630407	3	---	-	---	-	630412	3	630318	2	630330	2
140mm	---	-	---	-	---	-	---	-	---	-	630413	3	630319	2	630331	2
150mm	---	-	---	-	---	-	---	-	---	-	630414	3	630320	2	630332	2
160mm	---	-	---	-	---	-	---	-	---	-	630415	3	630420	2	630333	2
180mm	---	-	---	-	---	-	---	-	---	-	630416	3	630421	2	630334	2
200mm	---	-	---	-	---	-	---	-	---	-	630417	3	630422	2	630335	2

	HEX NUT CLASS 10 DIN 934		FLAT WASHER CLASS 10 DIN 125		LOCK WASHER 8.8 & 10.9* DIN 127	
SIZE	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
6mm	630170	100	630180	100	532020	200
8mm	630171	100	630181	100	532022	200
10mm	630172	100	630182	100	532023	200
12mm	630173	50	630183	50	532024	200
14mm	630174	25	630184	25	532025	200
16mm	630175	25	630185	25	553379	100
20mm	630176	10	630186	10	553381	100
24mm	630177	10	630187	10	553382	100



*** Compatible with 8.8 and 10.9 fastening systems according to IFI standards.**

METRIC HEX HEAD CAP SCREWS

CLASS 10.9 FINE THREAD

- DIN 961 & 960.
- Comparable to Grade 8 strength in Fractional Hardware.
- Longer lengths may be partially threaded.

	DIA. 8mm PITCH 1.00		DIA. 10mm PITCH 1.00		DIA. 10mm PITCH 1.25		DIA. 12mm PITCH 1.25		DIA. 12mm PITCH 1.50		DIA. 14mm PITCH 1.50		DIA. 16mm PITCH 1.50		DIA. 20mm PITCH 1.50	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
16mm	630501	25	---	-	630530	10	---	-	---	-	---	-	---	-	---	-
20mm	630502	25	630514	10	630531	10	630549	10	---	-	---	-	---	-	---	-
25mm	630503	25	630515	10	630532	10	630550	10	630565	10	630581	5	630597	5	---	-
30mm	630504	25	630516	10	630533	10	630551	10	630566	10	630582	5	630598	5	---	-
35mm	630505	25	630517	10	630534	10	630552	10	630567	10	630583	5	630599	5	---	-
40mm	630506	25	630518	10	630535	10	630553	10	630568	10	630584	5	630600	5	630607	2
45mm	630507	25	---	-	630536	10	630554	10	630569	10	630585	5	630601	5	630608	2
50mm	630508	25	630519	10	630537	10	630555	10	630570	10	630586	5	630602	5	630609	2
55mm	630509	25	630520	10	630538	10	630556	10	630571	10	630587	5	630603	5	630610	2
60mm	630510	25	630521	10	630539	10	630557	10	630572	10	630588	5	630604	5	630611	2
65mm	630511	25	630522	10	630540	10	630558	5	630573	5	630589	5	630605	5	630612	2
70mm	630512	25	630523	10	630541	10	630559	5	630574	5	630590	5	630606	5	630613	2
75mm	630513	25	630524	10	630542	10	630560	5	630575	5	630591	5	---	-	630614	2
80mm	---	-	630525	10	630543	10	630561	5	630576	5	630592	5	---	-	630615	2
90mm	---	-	630526	5	630544	5	630562	5	630577	5	630593	2	---	-	630616	2
100mm	---	-	630527	5	630545	5	630563	5	630578	5	630594	2	---	-	630617	2
110mm	---	-	630528	5	630546	5	---	-	---	-	630595	2	---	-	630618	2
120mm	---	-	630529	5	630547	5	630564	5	630579	5	630596	2	---	-	630619	2
130mm	---	-	---	-	630548	5	---	-	---	-	---	-	---	-	---	-
140mm	---	-	---	-	---	-	---	-	---	-	---	-	---	-	630620	2
150mm	---	-	---	-	---	-	---	-	---	-	---	-	---	-	630621	2
160mm	---	-	---	-	---	-	---	-	---	-	---	-	---	-	630622	2
180mm	---	-	---	-	---	-	---	-	---	-	---	-	---	-	630623	2
200mm	---	-	---	-	---	-	---	-	---	-	---	-	---	-	630624	2



* Compatible with 8.8 and 10.9 fastening systems according to IFI standards.

SIZE-PITCH	HEX NUT CLASS 10 DIN 934 PART NUMBER	QTY	FLAT WASHER CLASS 10 DIN 125 PART NUMBER	QTY	LOCK WASHER 8.8 & 10.9* DIN 127 PART NUMBER	QTY
8mm x 1.00	630640	100	630181	100	532022	200
10mm x 1.00	630641	100	630182	100	532023	200
10mm x 1.25	630642	100	630182	100	532023	200
12mm x 1.25	630643	50	630183	50	532024	200
12mm x 1.50	630644	50	630183	50	532024	200
14mm x 1.50	630645	25	630184	25	532025	200
16mm x 1.50	630646	25	630185	25	553379	100
20mm x 1.50	630647	10	630186	10	553381	100

METRIC HEX HEAD CAP SCREWS

CLASS 8.8 COARSE THREAD (FULL THREAD)

Protected by **LUSTERPLATE™** against rust & corrosion

8.8

- **DIN 933.**
- **Longer lengths may be unplated.**
- **Comparable to Grade 5 strength in Standard Hardware.**

	DIA. 4mm PITCH .70		DIA. 5mm PITCH .80		DIA. 6mm PITCH 1.00		DIA. 7mm PITCH 1.00		DIA. 8mm PITCH 1.25		DIA. 10mm PITCH 1.50	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
10mm	553701*	50	553212*	100	553222*	100	553300*	50	553240*	50	---	-
12mm	553450*	50	553213*	100	553223*	100	553301*	50	553241*	50	---	-
16mm	553210*	100	553214*	100	553224*	100	553302*	50	553242*	50	553253*	25
18mm	553702*	50	553704*	50	553706*	50	---	-	553458*	50	---	-
20mm	553211*	100	553215*	100	553225*	100	553303*	50	553243*	50	553254*	25
22mm	553703*	50	553705*	50	553707*	50	553308*	25	553459*	50	553709*	12
25mm	---	-	553216*	100	553226*	100	553304*	50	553244*	50	553255*	25
30mm	---	-	553217FT	100	553227FT	100	553305FT	50	553245*	50	553256*	25
35mm	---	-	553218FT	100	553228FT	100	553306FT	50	553246FT	50	553462*	25
40mm	---	-	553219FT	100	553229FT	50	553307FT	50	553247FT	50	553257FT	25
45mm	---	-	553220FT	100	553230FT	50	---	-	553248FT	50	553710FT	12
50mm	---	-	553451FT	50	553231FT	50	---	-	553249FT	50	553258FT	25
55mm	---	-	---	-	---	-	---	-	---	-	553711FT	12
60mm	---	-	553452FT	25	553232FT	50	---	-	553250FT	50	553259FT	25
65mm	---	-	---	-	---	-	---	-	---	-	553712FT	12
70mm	---	-	553453FT	25	553454FT	25	---	-	553251FT	50	553260FT	25
75mm	---	-	---	-	553708FT	25	---	-	553460FT	25	553713FT	12
80mm	---	-	---	-	553455FT	25	---	-	553252FT	25	553261FT	25
90mm	---	-	---	-	553456FT	25	---	-	553461FT	12	553463FT	25
100mm	---	-	---	-	553457FT	12	---	-	553233FT	25	553262FT	25





	DIA. 12mm PITCH 1.75		DIA. 14mm PITCH 2.00		DIA. 16mm PITCH 2.00		DIA. 20mm PITCH 2.50	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
20mm	553263*	25	553272*	12	---	-	---	-
25mm	553264*	25	553273*	12	553310*	12	---	-
30mm	553265*	25	553274*	12	553311*	12	---	-
35mm	553464*	25	553473*	12	553312*	12	---	-
40mm	553266FT	25	553275*	12	553313*	12	553341*	6
45mm	553714FT	12	553480*	6	553314*	12	553357*	3
50mm	553267FT	25	553276FT	12	553315FT	12	553342*	6
55mm	553465FT	25	553481FT	6	553316FT	12	553343*	6
60mm	553268FT	25	553277FT	12	553317FT	12	553344*	6
65mm	553466FT	12	553482FT	6	553318FT	12	553345FT	6
70mm	553269FT	12	553278FT	12	553319FT	12	553346FT	6
75mm	553467FT	12	553483FT	6	553320FT	12	553347FT	6
80mm	553270FT	12	553279FT	12	553321FT	12	553348FT	6
90mm	553468FT	12	553474FT	12	553322FT	12	553349FT	6
100mm	553271FT	6	553280FT	12	553323FT	6	553350FT	6
110mm	553469FT	6	553475FT	6	553324FT	6	553351FT	6
120mm	553470FT	6	553476FT	6	553325FT	6	553352FT	6
130mm	553471FT	6	553477FT	3	553326FT	6	553353FT	6
140mm	553472FT	3	553478FT	3	553327FT	6	553354FT	6
150mm	553715FT	3	553479FT	3	553328FT	6	553355FT	6

*** Items are only available fully threaded.**
DO NOT add the letters "FT" after these part numbers.

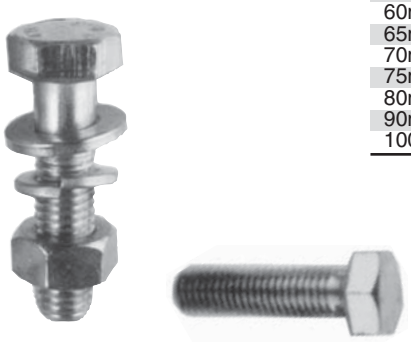
METRIC HEX HEAD CAP SCREWS

CLASS 8.8 COARSE THREAD (PARTIAL THREAD)

Protected by **LUSTERPLATE™** against rust & corrosion

8.8

- **DIN 931.**
- **Longer lengths may be unplated.**
- **Comparable to Grade 5 strength in Standard Hardware.**



	DIA. 4mm PITCH .70		DIA. 5mm PITCH .80		DIA. 6mm PITCH 1.00		DIA. 7mm PITCH 1.00		DIA. 8mm PITCH 1.25		DIA. 10mm PITCH 1.50	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
10mm	553701*	50	553212*	100	553222*	100	553300*	50	553240*	50	---	-
12mm	553450*	50	553213*	100	553223*	100	553301*	50	553241*	50	---	-
16mm	553210*	100	553214*	100	553224*	100	553302*	50	553242*	50	553253*	25
18mm	553702*	50	553704*	50	553706*	50	---	-	553458*	50	---	-
20mm	553211*	100	553215*	100	553225*	100	553303*	50	553243*	50	553254*	25
22mm	553703*	50	553705*	50	553707*	50	553308*	25	553459*	50	553709*	12
25mm	---	-	553216*	100	553226*	100	553304*	50	553244*	50	553255*	25
30mm	---	-	553217	100	553227	100	553305	50	553245*	50	553256*	25
35mm	---	-	553218	100	553228	100	553306	50	553246	50	553462*	25
40mm	---	-	553219	100	553229	50	553307	50	553247	50	553257	25
45mm	---	-	553220	100	553230	50	---	-	553248	50	553710	12
50mm	---	-	553451	50	553231	50	---	-	553249	50	553258	25
55mm	---	-	---	-	---	-	---	-	---	-	553711	12
60mm	---	-	553452	25	553232	50	---	-	553250	50	553259	25
65mm	---	-	---	-	---	-	---	-	---	-	553712	12
70mm	---	-	553453	25	553454	25	---	-	553251	50	553260	25
75mm	---	-	---	-	553708	25	---	-	553460	25	553713	12
80mm	---	-	---	-	553455	25	---	-	553252	25	553261	25
90mm	---	-	---	-	553456	25	---	-	553461	12	553463	25
100mm	---	-	---	-	553457	12	---	-	553233	25	553262	25

	DIA. 12mm PITCH 1.75		DIA. 14mm PITCH 2.00		DIA. 16mm PITCH 2.00		DIA. 18mm PITCH 2.50		DIA. 20mm PITCH 2.50	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
20mm	553263*	25	553272*	12	---	-	---	-	---	-
25mm	553264*	25	553273*	12	553310*	12	---	-	---	-
30mm	553265*	25	553274*	12	553311*	12	553716	3	---	-
35mm	553464*	25	553473*	12	553312*	12	553717	3	---	-
40mm	553266	25	553275*	12	553313*	12	553333	6	553341*	6
45mm	553714	12	553480*	6	553314*	12	553718	3	553357*	3
50mm	553267	25	553276	12	553315	12	553334	6	553342*	6
55mm	553465	25	553481	6	553316	12	553719	3	553343*	6
60mm	553268	25	553277	12	553317	12	553335	6	553344*	6
65mm	553466	12	553482	6	553318	12	553720	3	553345	6
70mm	553269	12	553278	12	553319	12	553336	6	553346	6
75mm	553467	12	553483	6	553320	12	553721	3	553347	6
80mm	553270	12	553279	12	553321	12	553337	6	553348	6
90mm	553468	12	553474	12	553322	12	553338	6	553349	6
100mm	553271	6	553280	12	553323	6	553339	3	553350	6
110mm	553469	6	553475	6	553324	6	553340	3	553351	6
120mm	553470	6	553476	6	553325	6	553722	3	553352	6
130mm	553471	6	553477	3	553326	6	553723	3	553353	6
140mm	553472	3	553478	3	553327	6	553724	3	553354	6
150mm	553715	3	553479	3	553328	6	553725	3	553355	6

*** Items are only available fully threaded.**

HOW TO DETERMINE AMOUNT OF THREADS

For cap screws up to 125mm in length: amount of threads equals twice the diameter plus 6mm.

For cap screws over 125mm in length: amount of threads equals twice the diameter plus 12mm.

A16

METRIC HEX HEAD CAP SCREWS

CLASS 8.8 COARSE THREAD

LENGTH	HEX NUT CLASS 8 DIN 934 PART NUMBER	QTY	FLAT WASHER CLASS 8 DIN 125 PART NUMBER	QTY	LOCK WASHER CLASS 8.8 & 10.9* DIN 127 PART NUMBER	QTY
4mm	**553291**	200	**532009**	200	**532018**	200
5mm	**553292**	200	**532010**	200	**532019**	200
6mm	**553293**	200	**532011**	200	**532020**	200
7mm	**553359**	200	**532012**	200	**532021**	200
8mm	**553295**	200	**532013**	200	**532022**	200
10mm	**553296**	100	**532014**	200	**532023**	200
12mm	**553297**	50	**532015**	200	**532024**	200
14mm	**553298**	25	**532016**	200	**532025**	200
16mm	**553360**	50	**553376**	100	**553379**	100
18mm	**553361**	25	**553377**	100	**553380**	100
20mm	**553362**	25	**553378**	100	**553381**	100



Protected by **LUSTERPLATE™** against rust & corrosion

8.8

*** Compatible with 8.8 and 10.9 fastening systems according to IFI standards.**

CLASS 8.8 FINE THREAD

LENGTH	DIA. 8mm PITCH 1.00 PART NUMBER	QTY	DIA. 10mm PITCH 1.00 PART NUMBER	QTY	DIA. 10mm PITCH 1.25 PART NUMBER	QTY	DIA. 12mm PITCH 1.25 PART NUMBER	QTY	DIA. 12mm PITCH 1.50 PART NUMBER	QTY	DIA. 14mm PITCH 1.50 PART NUMBER	QTY
16mm	**553821**	50	**553827**	25	**553834**	25	**---**	-	**---**	-	**---**	-
20mm	**553822**	50	**553828**	25	**553835**	25	**554003**	25	**553883**	25	**---**	-
25mm	**553823**	50	**553829**	25	**553836**	25	**553841**	25	**553846**	25	**553888**	10
30mm	**553824**	25	**553830**	25	**553837**	25	**553842**	25	**553847**	25	**553889**	10
35mm	**553825**	25	**553831**	25	**553838**	25	**553843**	25	**553848**	25	**553851**	12
40mm	**553826**	25	**553832**	25	**553839**	25	**553844**	12	**553849**	12	**553852**	12
45mm	**553898**	25	**554001**	25	**554002**	25	**554004**	10	**553884**	10	**553890**	10
50mm	**553854**	25	**553833**	25	**553840**	25	**553845**	12	**553850**	12	**553853**	12
55mm	**---**	-	**---**	-	**---**	-	**554005**	10	**553885**	10	**553891**	10
60mm	**553855**	12	**553858**	12	**553862**	12	**553866**	12	**553870**	12	**553892**	5
65mm	**---**	-	**---**	-	**---**	-	**554006**	10	**553886**	10	**553893**	5
70mm	**553856**	12	**553859**	12	**553863**	12	**553867**	12	**553880**	12	**553894**	5
75mm	**---**	-	**---**	-	**---**	-	**554007**	10	**553887**	10	**553895**	5
80mm	**553857**	12	**553860**	12	**553864**	12	**553868**	6	**553881**	6	**553896**	5
100mm	**553899**	10	**553861**	12	**553865**	12	**553869**	6	**553882**	5	**553897**	5

Protected by **LUSTERPLATE™** against rust & corrosion

8.8

- **DIN 960 & 961.**
- **Comparable to Grade 5 strength in Standard Hardware.**



SIZE-PITCH	HEX NUT DIN 934 PART NUMBER	QTY
8mm x 1.00	**553871**	200
10mm x 1.00	**553872**	100
10mm x 1.25	**553873**	100
12mm x 1.25	**553876**	50
12mm x 1.50	**553874**	50
14mm x 1.50	**553875**	25

SIZE	FLAT WASHER DIN 125 PART NUMBER	QTY	LOCK WASHER DIN 127 PART NUMBER	QTY
8mm	**532013**	200	**532022**	200
10mm	**532014**	200	**532023**	200
12mm	**532015**	200	**532024**	200
14mm	**532016**	200	**532025**	200



"SMALL HEAD" (JIS) JAPANESE METRIC CAP SCREWS, NUTS

Fits Japanese cars, trucks and motorcycles.

LENGTH	DIA. 8mm PITCH 1.25 WRENCH: 12mm PART NUMBER	QTY	DIA. 10mm PITCH 1.25 WRENCH: 14mm PART NUMBER	QTY	DIA. 12mm PITCH 1.25 WRENCH: 17mm PART NUMBER	QTY
12mm	**553405**	50	**---**	-	**---**	-
16mm	**553406**	50	**---**	-	**---**	-
20mm	**553408**	50	**553417**	25	**553424**	25
25mm	**553409**	50	**553418**	25	**553425**	25
30mm	**553410**	50	**553419**	25	**553426**	25
35mm	**553411**	50	**553420**	25	**553443**	10
40mm	**553412**	50	**553421**	25	**553427**	25
45mm	**553413**	50	**553422**	25	**---**	-
50mm	**553414**	50	**553423**	25	**553428**	25
55mm	**553415**	50	**553436**	25	**---**	-
60mm	**553416**	50	**553437**	25	**553444**	10
70mm	**553429**	25	**553438**	10	**553445**	10
80mm	**553430**	25	**553439**	10	**553446**	10
90mm	**553431**	25	**553440**	10	**553447**	10
100mm	**553432**	25	**553441**	10	**553448**	10



SIZE	HEX NUT PART NUMBER	QTY	FLAT WASHER PART NUMBER	QTY	LOCK WASHER PART NUMBER	QTY
8mm	**553402**	100	**532013**	200	**532022**	200
10mm	**553403**	50	**532014**	200	**532023**	200
12mm	**553404**	50	**532015**	200	**532024**	200

Protected by **LUSTERPLATE™** against rust & corrosion

8.8

- **Class 8.8.**
- **Comparable to Grade 5 strength in Standard Hardware.**

Size: 8mm through 12mm diameters COARSE & FINE

Part No. 553400L • 396 pieces • 23 items • 12017 steel tray

553402	**553405**	**553409**	**553412**	**553415**	**553419**	**553422**	**553426**
553403	**553406**	**553410**	**553413**	**553417**	**553420**	**553424**	**553427**
553404	**553408**	**553411**	**553414**	**553418**	**553421**	**553425**	

1/2 QUANTITY AVAILABLE ORDER NO. 553400M
Numbers in assortment

A16

METRIC CAP SCREWS

COARSE THREAD METRIC SOCKET HEAD CAP SCREWS

Protected by **BLACK OXIDE FINISH™** against rust & corrosion

- **Class 12.9 - DIN 912.**
- **Full finished deep socket for greater wrenching leverage.**
- **Heat treated alloy steel, minimum 170,000 PSI tensile strength.**

LENGTH	DIA. 3mm PITCH .50 KEY SIZE: 2.5mm PART NUMBER	QTY	DIA. 4mm PITCH .70 KEY SIZE: 3mm PART NUMBER	QTY	DIA. 5mm PITCH .80 KEY SIZE: 4mm PART NUMBER	QTY	DIA. 6mm PITCH 1.00 KEY SIZE: 5mm PART NUMBER	QTY	DIA. 8mm PITCH 1.25 KEY SIZE: 6mm PART NUMBER	QTY	DIA. 10mm PITCH 1.50 KEY SIZE: 8mm PART NUMBER	QTY	DIA. 12mm PITCH 1.75 KEY SIZE: 10mm PART NUMBER	QTY	DIA. 14mm PITCH 2.00 KEY SIZE: 12mm PART NUMBER	QTY
6mm	532850	25	532837	50	532839	50	---	-	---	-	---	-	---	-	---	-
8mm	532851	25	532838	50	532840	50	532842	50	---	-	---	-	---	-	---	-
10mm	532852	25	532350	50	532354	50	532359	50	---	-	---	-	---	-	---	-
12mm	532853	25	532351	50	532355	50	532360	50	532374	50	---	-	---	-	---	-
16mm	532854	25	532352	50	532356	50	532361	50	532375	50	532381	50	---	-	---	-
18mm	---	-	---	-	532855	25	532858	25	---	-	---	-	---	-	---	-
20mm	---	-	532353	50	532357	50	532362	50	532376	50	532382	50	---	-	---	-
25mm	---	-	532395	50	532856	25	532363	50	532377	50	532383	50	532388	30	---	-
30mm	---	-	532396	50	532358	50	532364	50	532378	50	532384	50	532389	30	532872	10
35mm	---	-	---	-	532857	25	532365	50	532843	50	532862	25	532867	10	532873	10
40mm	---	-	---	-	532841	50	532366	50	532379	50	532385	50	532390	30	532874	10
45mm	---	-	---	-	---	-	532367	50	532844	50	532863	25	532868	10	532875	10
50mm	---	-	---	-	---	-	532368	50	532380	50	532386	50	532391	30	532876	10
55mm	---	-	---	-	---	-	532369	50	532859	25	532864	25	532869	10	532877	10
60mm	---	-	---	-	---	-	532370	50	532845	50	532387	50	532392	30	532878	10
65mm	---	-	---	-	---	-	532371	50	532860	10	532865	25	532870	10	532879	5
70mm	---	-	---	-	---	-	532372	50	532846	10	532848	10	532393	30	532880	5
75mm	---	-	---	-	---	-	532373	50	532861	10	532866	10	532871	10	532881	5
80mm	---	-	---	-	---	-	---	-	532847	10	532849	10	532394	30	532882	5



Size: 4 x 10mm through 8 x 50mm

Part No. 501081

460 pieces • 23 items

12017 steel tray

532350	532354	532359	532363	532374	532378
532351	532355	532360	532364	532375	532379
532352	532356	532361	532366	532376	532380
532353	532357	532362	532368	532377	

Numbers in assortment



LENGTH	DIA. 16mm PITCH 2.00 KEY SIZE: 14mm PART NUMBER	QTY
30mm	532883	10
35mm	532884	10
40mm	532885	10
45mm	532886	10
50mm	532887	10
55mm	532888	10
60mm	532889	10
65mm	532890	5
70mm	532891	5
75mm	532892	5
80mm	532893	5

COARSE THREAD METRIC LOW HEAD SOCKET CAP SCREWS

Protected by **BLACK OXIDE FINISH™** against rust & corrosion

Specifically for use in parts too thin for standard height socket cap screws and for applications with limited clearances.

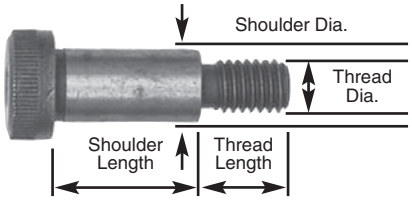
- **Class 8.8 - DIN 7984.**
- **Heat treated alloy steel, minimum 128,000 PSI tensile strength.**
- **Head height 1/2 of standard head metric cap screw.**



LENGTH	DIA. 3mm PITCH .50 KEY SIZE: 2.5mm PART NUMBER	QTY	DIA. 4mm PITCH .70 KEY SIZE: 3mm PART NUMBER	QTY	DIA. 5mm PITCH .80 KEY SIZE: 4mm PART NUMBER	QTY	DIA. 6mm PITCH 1.00 KEY SIZE: 5mm PART NUMBER	QTY	DIA. 8mm PITCH 1.25 KEY SIZE: 6mm PART NUMBER	QTY	DIA. 10mm PITCH 1.50 KEY SIZE: 8mm PART NUMBER	QTY	DIA. 12mm PITCH 1.75 KEY SIZE: 10mm PART NUMBER	QTY
5mm	533600	25	---	-	---	-	---	-	---	-	---	-	---	-
6mm	533601	25	533608	25	533615	25	---	-	---	-	---	-	---	-
8mm	533602	25	533609	25	533616	25	533623	25	---	-	---	-	---	-
10mm	533603	25	533610	25	533617	25	533624	25	533630	25	---	-	---	-
12mm	533604	25	533611	25	533618	25	533625	25	533631	25	---	-	---	-
16mm	533605	25	533612	25	533619	25	533626	25	533632	25	533640	10	---	-
20mm	533606	25	533613	25	533620	25	533627	25	533633	25	533641	10	533648	10
25mm	533607	25	533614	25	533621	25	533628	25	533634	25	533642	10	533649	10
30mm	---	-	---	-	533622	25	533629	25	533635	25	533643	10	533650	10
35mm	---	-	---	-	---	-	---	-	533636	10	533644	10	533651	10
40mm	---	-	---	-	---	-	---	-	533637	10	533645	10	533652	10
45mm	---	-	---	-	---	-	---	-	533638	10	533646	10	533653	10
50mm	---	-	---	-	---	-	---	-	533639	10	533647	10	533654	10

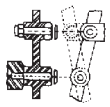
METRIC CAP SCREWS

METRIC SOCKET HEAD SHOULDER SCREWS

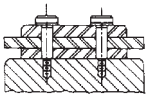


- Heat treated alloy steel 12.9.
- Coarse threads.
- DIN 7379.
- Knurled head for sure grip.
- Minimum tensile strength: 174,000 PSI
- Meets ASME/ANSI B18.3.4M.





MOVING SHAFT OR PIVOT



STATIONARY GUIDE



PULLEY SHAFT USES

	DIA. 6mm Shoulder THRD. 5-.8mm THRD. LGTH.: 9.75 KEY SIZE: 3mm		DIA. 8mm Shoulder THRD. 6-1.0mm THRD. LGTH.: 11.25 KEY SIZE: 4mm		DIA. 10mm Shoulder THRD. 8-1.25mm THRD. LGTH.: 13.25 KEY SIZE: 5mm		DIA. 12mm Shoulder THRD. 10-1.50mm THRD. LGTH.: 16.40 KEY SIZE: 6mm	
SHLDER. LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
10mm	533750	10	---	-	---	-	---	-
12mm	533751	10	533758	10	---	-	---	-
16mm	533752	10	533759	10	533766	10	533775	5
20mm	533753	10	533760	10	533767	10	533776	5
25mm	533754	10	533761	10	533768	10	533777	5
30mm	533755	10	533762	10	533769	10	533778	5
40mm	533756	10	533763	10	533770	10	533779	5
50mm	533757	10	533764	10	533771	10	533780	5
60mm	---	-	533765	10	533772	5	533781	5
70mm	---	-	---	-	533773	5	533782	5
80mm	---	-	---	-	533774	5	533783	5



Part No. 501721
113 pieces • 18 items • 12071 steel tray

533750	533759	533768	533778
533751	533760	533769	533779
533752	533761	533770	533780
533753	533762	533771	
533758	533767	533777	

Numbers in assortment

FLAT HEAD SOCKET CAP SCREWS

- Class 10.9 - DIN 7991.
- Countersunk head for flush applications.
- Minimum 150,000 PSI tensile strength.
- Coarse threads.
- Full finished deep socket for greater wrenching leverage.

Protected by **BLACK OXIDE FINISH™** against rust & corrosion

	DIA. 3mm PITCH .50 KEY SIZE: 2mm		DIA. 4mm PITCH .70 KEY SIZE: 2.5mm		DIA. 5mm PITCH .80 KEY SIZE: 3mm		DIA. 6mm PITCH 1.00 KEY SIZE: 4mm		DIA. 8mm PITCH 1.25 KEY SIZE: 5mm		DIA. 10mm PITCH 1.50 KEY SIZE: 6mm		DIA. 12mm PITCH 1.75 KEY SIZE: 8mm		DIA. 16mm PITCH 2.00 KEY SIZE: 10mm	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
6mm	532950	25	---	-	---	-	---	-	---	-	---	-	---	-	---	-
8mm	532951	25	532956	25	532962	25	---	-	---	-	---	-	---	-	---	-
10mm	532952	25	532957	25	532963	25	532969	25	---	-	---	-	---	-	---	-
12mm	532953	25	532958	25	532964	25	532970	25	532977	25	---	-	---	-	---	-
16mm	532954	25	532959	25	532965	25	532971	25	532978	25	532985	-	---	-	---	-
20mm	532955	25	532960	25	532966	25	532972	25	532979	25	532986	10	532992	10	---	-
25mm	---	-	532961	25	532967	25	532973	25	532980	25	532987	10	532993	10	---	-
30mm	---	-	---	-	532968	25	532974	25	532981	25	532988	10	532994	10	533400	5
35mm	---	-	---	-	---	-	532975	25	532982	25	532989	10	532995	10	533401	5
40mm	---	-	---	-	---	-	532976	25	532983	25	532990	10	532996	10	533402	5
45mm	---	-	---	-	---	-	---	-	---	-	---	-	532997	10	533403	5
50mm	---	-	---	-	---	-	---	-	532984	25	532991	10	532998	10	533404	5
60mm	---	-	---	-	---	-	---	-	---	-	---	-	---	-	533405	5

	DIA. 20mm PITCH 2.50 KEY SIZE: 12mm	
LENGTH	PART NUMBER	QTY
35mm	533406	5
40mm	533407	5
45mm	533408	5
50mm	533409	5
60mm	533410	5





Size: 3 x 8mm through 12 x 30mm
Part No. 501505
370 pieces • 23 items
12017 steel tray

532951	532958	532966	532978	532985	532992
532952	532959	532971	532979	532986	532993
532953	532964	532972	532980	532987	532994
532957	532965	532973	532981	532988	

Numbers in assortment

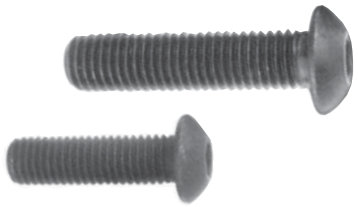
METRIC CAP SCREWS and FLANGE BOLTS

BUTTON HEAD SOCKET CAP SCREWS

Protected by
BLACK OXIDE FINISH™
against rust & corrosion

- **Class 10.9. DIN 9427.**
- **Full finished deep socket for greaterwrenching leverage.**
- **Minimum 150,000 PSI tensile strength.**
- **Coarse threads.**

	DIA. 3mm PITCH .50 KEY SIZE: 2mm		DIA. 4mm PITCH .70 KEY SIZE: 2.5mm		DIA. 5mm PITCH .80 KEY SIZE: 3mm		DIA. 6mm PITCH 1.00 KEY SIZE: 4mm		DIA. 8mm PITCH 1.25 KEY SIZE: 5mm		DIA. 10mm PITCH 1.50 KEY SIZE: 6mm		DIA. 12mm PITCH 1.75 KEY SIZE: 8mm	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
6mm	**532900**	25	---	-	---	-	---	-	---	-	---	-	---	-
8mm	**532901**	25	**532905**	25	---	-	---	-	---	-	---	-	---	-
10mm	**532902**	25	**532906**	25	**532909**	25	**532915**	25	**532921**	25	---	-	---	-
12mm	**532903**	25	**532907**	25	**532910**	25	**532916**	25	**532922**	25	---	-	---	-
16mm	**532904**	25	**532908**	25	**532911**	25	**532917**	25	**532923**	25	**532929**	10	**532935**	5
20mm	---	-	---	-	**532912**	25	**532918**	25	**532924**	10	**532930**	10	**532936**	5
25mm	---	-	---	-	**532913**	25	**532919**	25	**532925**	10	**532931**	10	**532937**	5
30mm	---	-	---	-	**532914**	25	**532920**	25	**532926**	10	**532932**	10	**532938**	5
35mm	---	-	---	-	---	-	---	-	**532927**	10	**532933**	10	**532939**	5
40mm	---	-	---	-	---	-	---	-	**532928**	10	**532934**	10	**532940**	5
45mm	---	-	---	-	---	-	---	-	---	-	---	-	**532941**	5
50mm	---	-	---	-	---	-	---	-	---	-	---	-	**532942**	5



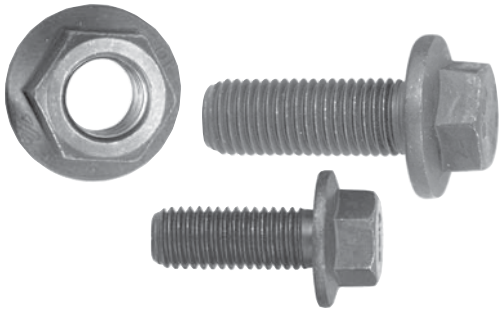


Size: 3 x 16mm through 12 x 30mm
Part No. 501506
370 pieces • 23 items
12017 steel tray

532900	**532907**	**532912**	**532923**	**532929**	**532936**
532901	**532908**	**532917**	**532924**	**532930**	**532937**
532902	**532910**	**532918**	**532925**	**532931**	**532938**
532906	**532911**	**532919**	**532926**	**532932**	

Numbers in assortment

CLASS 10.9 HEX FLANGE BOLTS



- **DIN 6921.**
- **Minimum 150,000 PSI tensile strength.**
- **Flanged head design distributes load evenly over a larger area.**
- **Flat washers are not necessary.**

10.9

	DIA. 6mm PITCH 1.00 WRENCH: 10mm FLANGE DIA. 14.2mm		DIA. 8mm PITCH 1.25 WRENCH: 13mm FLANGE DIA. 18mm		DIA. 10mm PITCH 1.50 WRENCH: 15mm FLANGE DIA. 22.3mm		DIA. 12mm PITCH 1.75 WRENCH: 16mm FLANGE DIA. 26.6mm		DIA. 16mm PITCH 2.00 WRENCH: 21mm FLANGE DIA. 35mm	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
16mm	**533700**	10	---	-	---	-	---	-	---	-
20mm	**533701**	10	**533704**	10	**533710**	10	---	-	---	-
25mm	**533702**	10	**533705**	10	**533711**	10	---	-	---	-
30mm	**533703**	10	**533706**	10	**533712**	10	**533719**	3	---	-
35mm	---	-	**533707**	10	**533713**	10	**533720**	6	---	-
40mm	---	-	**533708**	10	**533714**	10	**533721**	3	**533726**	5
50mm	---	-	**533709**	10	**533715**	10	**533722**	6	**533727**	5
60mm	---	-	---	-	**533716**	5	**533723**	5	**533728**	5
70mm	---	-	---	-	**533717**	5	**533724**	5	**533729**	5
80mm	---	-	---	-	**533718**	5	**533725**	5	**533730**	5
	FLANGE NUTS		FLANGE NUTS		FLANGE NUTS		FLANGE NUTS		FLANGE NUTS	
	532470	25	**532471**	25	**532472**	25	**532473**	25	**532474**	10



Size: 6 x 16mm through 16 x 50mm
Includes flange nuts
Part No. 501718
232 pieces • 23 items
12017 steel tray

532470	**532474**	**533704**	**533711**	**533715**	**533722**
532471	**533700**	**533705**	**533712**	**533719**	**533726**
532472	**533701**	**533706**	**533713**	**533720**	**533727**
532473	**533702**	**533707**	**533714**	**533721**	

Numbers in assortment

A16

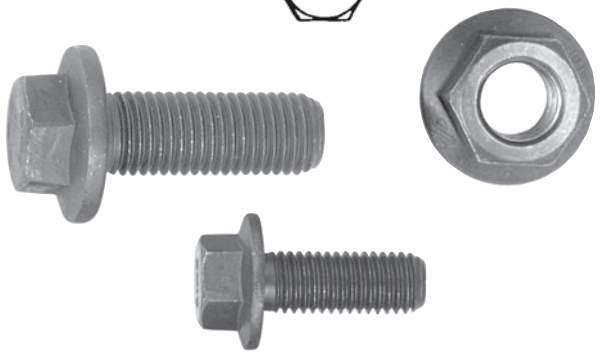
METRIC FLANGE BOLTS

CLASS 8.8 HEX FLANGE BOLTS

- DIN 6921.
- Flanged head design distributes load evenly over a larger area.
- Minimum 116,000 PSI tensile strength.
- Flat washers are not necessary.

8.8

Protected by **LUSTERPLATE™** against rust & corrosion



LENGTH	DIA. 6mm PITCH 1.00 WRENCH: 10mm PART NUMBER	QTY	DIA. 8mm PITCH 1.25 WRENCH: 13mm PART NUMBER	QTY	DIA. 10mm PITCH 1.50 WRENCH: 15mm PART NUMBER	QTY	DIA. 12mm PITCH 1.75 WRENCH: 16mm PART NUMBER	QTY
16mm	533670	10	533676	10	---	-	---	-
20mm	533671	10	533677	10	533684	10	---	-
25mm	533672	10	533678	10	533685	10	533691	10
30mm	533673	10	533679	10	533686	10	533692	10
35mm	533674	10	533680	10	533687	10	533693	10
40mm	533675	10	533681	10	533688	10	533694	10
50mm	---	-	533682	10	533689	10	533695	10
60mm	---	-	533683	10	533690	5	533696	5
	FLANGE NUTS	QTY	FLANGE NUTS	QTY	FLANGE NUTS	QTY	FLANGE NUTS	QTY
	532465	25	532466	25	532467	25	532468	25

CLASS 10.9 (JIS) SMALL HEAD HEX FLANGE BOLTS

10.9

Protected by **LUSTERPLATE™** against rust & corrosion

- Meets JIS-B 1189 specs.
- Minimum 150,000 PSI tensile strength.
- Flanged head design distributes load evenly over a larger area.
- Smaller head design is ideal when you have a clearance problem.

LENGTH	DIA. 6mm PITCH 1.00 WRENCH: 10mm PART NUMBER	QTY	DIA. 8mm PITCH 1.25 WRENCH: 12mm PART NUMBER	QTY	DIA. 10mm PITCH 1.25 WRENCH: 14mm PART NUMBER	QTY
10mm	553750	50	---	-	---	-
12mm	553751	50	553760	50	---	-
16mm	553752	50	553761	50	553771	25
20mm	553753	50	553762	25	553772	25
25mm	553754	50	553763	25	553773	25
30mm	553755	50	553764	25	553774	25
35mm	553756	50	553765	25	553775	25
40mm	553757	50	553766	25	553776	10
45mm	553758	25	553767	25	553777	10
50mm	553759	25	553768	25	553778	10
60mm	---	-	553769	25	553779	10
70mm	---	-	553770	25	553780	10
	HEX FLANGE NUTS	QTY	HEX FLANGE NUTS	QTY	HEX FLANGE NUTS	QTY
	630425	50	630426	50	630427	50



Part No. 501650
447 pieces • 23 items • 12017 steel tray

553751	553756	553764	553773	630425
553752	553757	553765	553774	630426
553753	553761	553766	553775	630427
553754	553762	553767	553776	
553755	553763	553772	553777	

Numbers in assortment

FLANGE BOLTS

LENGTH	DIA. 6mm PITCH 1.00 PART NUMBER	QTY	DIA. 8mm PITCH 1.25 PART NUMBER	QTY
25mm	717259	25	717269	25
	HEX FLANGE NUTS	QTY	HEX FLANGE NUTS	QTY
	717260	25	717270	25



Protected by **BLACK OIL FINISH™** against rust & corrosion

- Class 9.8
- Phosphate and Oil Finish.

INDENTED HEX WASHER HEAD with CONE POINT (CA)

- Black Phosphate finish.
- Universal applications.

Protected by **BLACK OXIDE FINISH™** against rust & corrosion



SIZE	PART NUMBER	QTY
6.3 x 20mm	717263	25
6.3 x 25mm	717469	12
8 x 20mm	717268	25
8 x 25mm	717472	12

INDENTED HEX HEAD BOLT with LOOSE WASHER CONE POINT (CA)

SIZE	PART NUMBER	WASHER O.D.	QTY
6 x 20mm	717467	17mm	12
6 x 25mm	717468	24mm	12
6.3 x 25mm	717470	18mm	12
6.3 x 25mm	717471	23mm	12
6.3 x 40mm	717264	17mm	25
8 x 25mm	717473	24mm	12
8 x 30mm	717474	24mm	12
10 x 40mm	717272	30mm	25

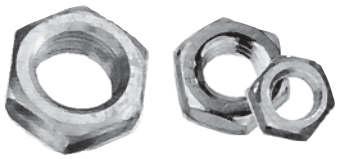
Protected by **BLACK OXIDE FINISH™** against rust & corrosion

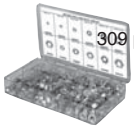


METRIC NUTS

HEX JAM NUTS CLASS 4 - DIN 936

Protected by **LUSTERPLATE™** against rust & corrosion





Part No. 630104
309 pieces • 12 items • 12038 plastic tray

630255	630259	630262	630268
630256	630260	630266	630269
630257	630261	630267	630270

Numbers in assortment

SIZE-PITCH	PART NUMBER	THREAD TYPE	WIDTH A/F	HEIGHT	QTY
4mm-.70	**630255**	coarse	7mm	2.20mm	100
5mm-.80	**630256**	coarse	8mm	2.70mm	100
6mm-1.00	**630257**	coarse	10mm	3.20mm	100
7mm-1.00	**630258**	coarse	11mm	3.50mm	50
8mm-1.00	**630266**	fine	13mm	4.00mm	50
8mm-1.25	**630259**	coarse	13mm	4.00mm	50
10mm-1.00	**630267**	fine	16mm	5.00mm	25
10mm-1.50	**630260**	coarse	16mm	5.00mm	25
12mm-1.25	**630268**	fine	18mm	6.00mm	25
12mm-1.50	**630269**	fine	18mm	6.00mm	25
12mm-1.75	**630261**	coarse	18mm	6.00mm	25
14mm-1.50	**630270**	fine	21mm	7.00mm	10
14mm-2.00	**630262**	coarse	21mm	7.00mm	10
16mm-1.50	**630271**	fine	24mm	8.00mm	10
16mm-2.00	**630263**	coarse	24mm	8.00mm	10
18mm-1.50	**630272**	fine	27mm	9.00mm	10
18mm-2.50	**630264**	coarse	27mm	9.00mm	10
20mm-1.50	**630273**	fine	30mm	10.00mm	10
20mm-2.50	**630265**	coarse	30mm	10.00mm	10

METRIC FINISHED HEX NUTS CLASS 8 - DIN 934

Protected by **LUSTERPLATE™** against rust & corrosion





Part No. 553390
260 pieces • 12 items • 12038 plastic tray

553291	553295	553871	553874
553292	553296	553872	553875
553293	553297	553873	553876

Numbers in assortment

SIZE-PITCH	PART NUMBER	THREAD TYPE	WIDTH A/F	HEIGHT	QTY
3mm-.50	**553290**	coarse	6mm	2.8mm	200
4mm-.70	**553291**	coarse	7mm	3.2mm	200
5mm-.80	**553292**	coarse	8mm	4mm	200
6mm-1.00	**553293**	coarse	10mm	5mm	200
7mm-1.00	**553359**	coarse	11mm	5.5mm	200
8mm-1.00	**553871**	fine	13mm	6.5mm	200
8mm-1.25	**553295**	coarse	13mm	6.5mm	200
10mm-1.00	**553872**	fine	16mm	8mm	100
10mm-1.25	**553873**	fine	16mm	8mm	100
10mm-1.50	**553296**	coarse	16mm	8mm	100
12mm-1.25	**553876**	fine	18mm	10mm	50
12mm-1.50	**553874**	fine	18mm	10mm	50
12mm-1.75	**553297**	coarse	18mm	10mm	50
14mm-1.50	**553875**	fine	21mm	11mm	25
14mm-2.00	**553298**	coarse	21mm	11mm	25
16mm-2.00	**553360**	coarse	24mm	26.2mm	50
18mm-2.50	**553361**	coarse	27mm	29.5mm	25
20mm-2.50	**553362**	coarse	30mm	33mm	25

CLASS 10.9 METRIC FINISHED HEX NUTS

- **Class 10 - Comparable to Grade 8**
- **For use with Class 10.9 cap screws and Class 10 washers.**
- **DIN 934/10.**



COARSE THREAD

SIZE-PITCH	PART NUMBER	QTY
6mm-1.00	**630170**	100
8mm-1.25	**630171**	100
10mm-1.50	**630172**	100
12mm-1.75	**630173**	50
14mm-2.00	**630174**	25
16mm-2.00	**630175**	25
20mm-2.50	**630176**	10
24mm-3.00	**630177**	10

FINE THREAD

SIZE-PITCH	PART NUMBER	QTY
8mm-1.00	**630640**	100
10mm-1.00	**630641**	100
10mm-1.25	**630642**	100
12mm-1.25	**630643**	50
12mm-1.50	**630644**	50
14mm-1.50	**630645**	25
16mm-1.50	**630646**	25
20mm-1.50	**630647**	10

METRIC PREVAILING TORQUE LOCK NUTS

- **Class 10 - Comparable to Grade 8**
- **Withstands severe vibration and shock in critical areas.**
- **For use with Class 10.9 cap screws.**
- **Designed for high stress, high temperature applications.**
- **DIN 980V/10.**
- **Coarse thread.**

Part No. 630100
42 pieces • 6 items • 12032 plastic tray

630200	630201	630202	630203	630204	630205

Numbers in assortment



SIZE-PITCH	PART NUMBER	QTY
6mm-1.00	**630200**	25
8mm-1.25	**630201**	25
10mm-1.50	**630202**	12
12mm-1.75	**630203**	12
14mm-2.00	**630204**	6
16mm-2.00	**630205**	6
20mm-2.50	**630206**	6
24mm-3.00	**630207**	6

METRIC NUTS

METRIC NYLON LOCK NUTS - DIN 985



Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PITCH	PART NUMBER	THREAD TYPE	QTY
3mm	.50	**553365**	coarse	200
4mm	.70	**553366**	coarse	200
5mm	.80	**553367**	coarse	200
6mm	1.00	**553281**	coarse	100
7mm	1.00	**553368**	coarse	100
8mm	1.00	**553364**	fine	100
8mm	1.25	**553282**	coarse	100
10mm	1.00	**553877**	fine	50
10mm	1.25	**553878**	fine	50

SIZE	PITCH	PART NUMBER	THREAD TYPE	QTY
10mm	1.50	**553283**	coarse	50
12mm	1.25	**553374**	fine	50
12mm	1.50	**553879**	fine	50
12mm	1.75	**553286**	coarse	50
14mm	2.00	**553369**	coarse	50
16mm	2.00	**553370**	coarse	50
18mm	2.50	**553372**	coarse	5
20mm	2.50	**553373**	coarse	5



Part No. 553391
100 pieces • 4 items • 12028 plastic tray

553281 **553283**
553282 **553286**

Numbers in assortment

8.8 METRIC HEX FLANGE NUTS

- **Class 8.**
- **DIN 6923.**
- **Used with Class 8.8 cap screws and flange bolts.**
- **Coarse thread.**

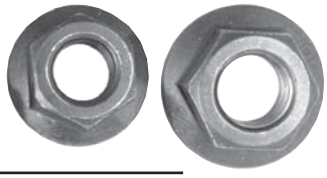


Protected by **LUSTERPLATE™** against rust & corrosion

SIZE-PITCH	A/F	FLANGE DIAMETER	PART NUMBER	QTY
6mm-1.00	10mm	14.2mm	**532465**	25
8mm-1.25	13mm	17.9mm	**532466**	25
10mm-1.50	15mm	21.8mm	**532467**	25
12mm-1.75	18mm	26.0mm	**532468**	25

10.9 METRIC HEX FLANGE NUTS

- **Class 10.**
- **DIN 6923.**
- **Used with Class 10.9 cap screws and flange bolts.**
- **Coarse thread.**



SIZE-PITCH	A/F	FLANGE DIAMETER	PART NUMBER	QTY
6mm-1.00	10mm	14.2mm	**532470**	25
8mm-1.25	13mm	17.9mm	**532471**	25
10mm-1.50	15mm	21.8mm	**532472**	25
12mm-1.75	18mm	26.0mm	**532473**	25
16mm-2.00	24mm	34.5mm	**532474**	25

FLANGE NUTS

A16

"GRADE G" HEX LOCK NUTS

- **Specifically for use with Class 10.9 Metric Flange Bolts.**
- **Coarse thread.**



Protected by **BLACK OXIDE FINISH™** against rust & corrosion

SIZE	PITCH	PART NUMBER	QTY
10mm	1.50	**532475***	10
12mm	1.75	**532476**	10
16mm	2.00	**532477**	5

*** Lusterplated**

JIS HEX LOCK NUTS

- **Flange style with serrated washer face.**
- **Case hardened.**
- **Class 10.**



Protected by **LUSTERPLATE™** against rust & corrosion

SIZE	PITCH	A/F	PART NUMBER	QTY
6mm	1.00	10mm	**630425**	50
8mm	1.25	12mm	**630426**	50
10mm	1.25	14mm	**630427**	50
10mm	1.50	14mm	**717273**	25

HEX WASHER NUTS

- **Flange style with smooth washer face.**
- **Case hardened.**
- **Universal applications.**
- **Class 9.**



SIZE	PITCH	A/F	PART NUMBER	QTY
5mm	.80	8mm	**716895†**	25
6mm	1.00	10mm	**717260†**	25
8mm	1.25	13mm	**717270†**	25
10mm	1.25	14mm	**717299****	25
10mm	1.50	15mm	**717287†**	25

† Black Oxide Finish
****Zinc Yellow**

METRIC HEX CAP NUTS (ACORN)

CLASS 6- DIN 1587

SIZE	PART NUMBER	QTY
4 x .70mm	**553394**	25
5 x .80mm	**553395**	25
6 x 1.00mm	**553396**	25
8 x 1.25mm	**553397**	25
10 x 1.50mm	**553398**	10
12 x 1.75mm	**553399**	10



Protected by **LUSTERPLATE™** against rust & corrosion

- **Dome cover for neat appearance.**
- **Prevents snagging.**
- **Coarse threads.**



Part No. 553103
70 pieces • 6 items • 12028 plastic tray

553394 **553396** **553398**
553395 **553397** **553399**

Numbers in assortment

METRIC NUTS

FREE SPINNING WASHER HEX NUTS

Protected by **BLACK OXIDE FINISH™** against rust & corrosion

- **Universal applications.**
- **Washer points provide positive locking action.**



DIAMETER	PITCH	PART NUMBER	WASHER	QTY
5mm	.80	**716894**	15mm	25
6mm	1.00	**716887**	16mm	25
6mm	1.00	**717475***	16mm	25
6mm	1.00	**717476**	18mm	25
6.3mm	1.00	**717265**	16mm	25
6.3mm	1.00	**717477**	19mm	25
8mm	1.25	**717478**	24mm	25

*** Non-locking**

EXTRUDED "U" TYPE SPEED NUTS

Protected by **BLACK OXIDE FINISH™** against rust & corrosion

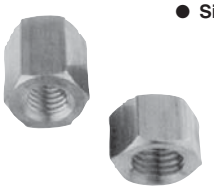
- **Clean, burr-free rolled internal machine screw thread.**
- **Used on grilles, fenders, radiators, & supports.**
- **Universal applications.**



SIZE	PART NUMBER	STYLE	QTY
6mm	**717261**	Locking, short throat	25
6mm	**717262**	Long throat	25
6.3mm	**717266**	Short throat	25
8mm	**717271**	Short throat	25
10mm	**717274**	Short throat	25

METRIC BRASS HEX NUTS

- **Manifold and universal applications.**
- **Corrosion resistant. Burr-free threads.**
- **High strength copper-zinc formation.**
- **Six different metric sizes - 6mm to 10mm.**



SIZE-PITCH	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
6mm-1.00	**553161**	10mm	5mm	50
8mm-1.25	**553162**	13mm	6mm	50
8mm-1.25	**553165**	13mm	15mm	50
10mm-1.50	**553163**	17mm	8mm	50

COPPER PLATED METRIC LOCK NUTS

- **Used on VW manifold and exhaust systems.**
- **Copper plated steel.**



SIZE-PITCH	PART NUMBER	WRENCH SIZE	OEM NUMBER	QTY
8mm-1.25	**716889**	13mm	043-1014575L	25
10mm-1.50	**716890**	14mm	021-101-4575	25

METRIC PUSH NUT BOLT RETAINER / FASTENER



INSIDE DIAMETER	OUTSIDE DIAMETER	PART NUMBER	QTY
3.2mm	9.5mm	**717490†**	50
4mm	11mm	**717491**	50
5mm	11mm	**717492**	50
6mm	13mm	**717493**	50
6mm	13.5mm	**716898†**	50
6mm	17mm	**716897***	50
6.3mm	13mm	**717494**	50

INSIDE DIAMETER	OUTSIDE DIAMETER	PART NUMBER	QTY
8mm	16mm	**717495**	50
8mm	25mm	**503157**	50
10mm	20mm	**503173**	50
10mm	24mm	**503158**	50
12mm	21mm	**503174†**	50
14mm	25mm	**503159**	50

*** Dichromate. / † Zinc.**

CASTLE NUTS CLASS 8 - DIN 935

Protected by **BLACK OXIDE FINISH™** against rust & corrosion



SIZE	PART NUMBER	QTY
5-.80mm	**553485**	25
6-1.00mm	**553486**	25
8-1.25mm	**553487**	25
10-1.25mm	**553494***	25
10-1.50mm	**553488**	25
12-1.25mm	**553496***	10

SIZE	PART NUMBER	QTY
12-1.50mm	**553495***	10
12-1.75mm	**553489**	10
14-2.00mm	**553490**	10
16-2.00mm	**553491**	10
18-2.50mm	**553492**	10
20-2.50mm	**553493**	10

*** Fine thread**

FORGED WING NUTS



Part No. 553102
77 pieces • 6 items • 12047 plastic tray

532100	**553385**	**553387**
553299	**553386**	**553388**

Numbers in assortment



- **100% stronger than die cast nuts.**
- **Forged steel for extra strength and holding power.**
- **Zinc plated.**

SIZE	PART NUMBER	QTY
4-.70mm	**553385**	25
5-.80mm	**553299**	50
6-1.00mm	**532100**	50

SIZE	PART NUMBER	QTY
8-1.25mm	**553386**	25
10-1.50mm	**553387**	25
12-1.75mm	**553388**	25

METRIC WASHERS

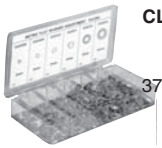
METRIC WASHERS



- Washers for use with both Class 8.8 and 10.9 hardware.

Protected by **LUSTERPLATE™** against rust & corrosion

	DIN 125 CLASS 8 FLAT		DIN 125/H CLASS 10 FLAT		DIN 127 CLASS 8 SPLIT LOCK		DIN 7980 CLASS 8 HI-COLLAR LOCK		DIN 137 CLASS 8 SPRING LOCK	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
3mm	532008	200	---	-	532017	200	532000	100	532306	100
4mm	532009	200	---	-	532018	200	532001	200	532026	200
5mm	532010	200	---	-	532019	200	532002	200	532027	200
6mm	532011	200	630180	100	532020	200	532003	200	532028	200
7mm	532012	200	---	-	532021	200	---	-	---	-
8mm	532013	200	630181	100	532022	200	532004	200	532030	200
10mm	532014	200	630182	100	532023	200	532005	200	532031	200
12mm	532015	200	630183	50	532024	200	532006	200	532032	200
14mm	532016	200	630184	25	532025	200	532007	100	532033	200
16mm	553376	100	630185	25	553379	100	---	-	532307	50
18mm	553377	100	---	-	553380	100	---	-	532308	50
20mm	553378	100	630186	10	553381	100	---	-	532309	50
24mm	---	-	630187	10	553382	50	---	-	532310	50



CLASS 8 - DIN 125 (FLAT WASHERS)
Sizes: 3mm through 10mm
Part No. 553392
375 pieces • 6 items • 12028 plastic tray

532008	532010	532013
532009	532011	532014

Numbers in assortment



CLASS 8 - DIN 127 (SPLIT LOCK WASHERS)
Sizes: 3mm through 10mm
Part No. 553393
375 pieces • 6 items • 12028 plastic tray

532017	532019	532022
532018	532020	532023

Numbers in assortment

***NOTE: DIN 127 lock washers are compatible with both class 8.8 and 10.9 metric cap screws and nuts according to IFI (International Fastener Institute) standards.**

Class 10 metric flat washers, DIN 127/H, have a special hardening that creates a proper load bearing surface for hardened cap screws. Compatible with class 10.9 metric cap screws.

METRIC TOOTHED LOCK WASHERS

	INTERNAL DIN 6797J		EXTERNAL DIN 6797A	
LENGTH	PART		PART	
2mm	533805	100	533825	100
3mm	533806	100	533826	100
4mm	533807	100	533827	100
5mm	533808	100	533828	100
6mm	533809	100	533829	100
7mm	533810	50	533830	50
8mm	533811	50	533831	50
10mm	533812	50	533832	50
12mm	533813	50	533833	50
14mm	533814	25	533834	25
16mm	533815	25	533835	25
18mm	533816	25	533836	25
20mm	533817	25	533837	25
22mm	533818	10	533838	10
24mm	533819	10	533839	10

- DIN 6797.
- High carbon spring steel.
- Vibration resistant.
- Teeth grip surfaces to prevent loosening.
- Internal tooth and external tooth.

Protected by **LUSTERPLATE™** against rust & corrosion



INTERNAL



EXTERNAL



INTERNAL TOOTHED
Part No. 533800
450 pieces • 6 items • 12047 plastic tray

553806	553809	553812
553807	553811	553813

Numbers in assortment



EXTERNAL TOOTHED
Part No. 533801
450 pieces • 6 items • 12047 plastic tray

553826	553829	553832
553827	553831	553833

Numbers in assortment

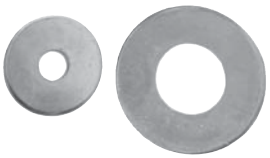
FENDER WASHERS

BOLT SIZE	PART NUMBER	QTY	I.D. MM	O.D. MM	THICKNESS MM
3mm	532340	100	3.2	9	.80
4mm	532341	100	4.3	12	1
4mm	532325	100	4.3	20	1.25
5mm	532342	50	5.3	15	1.6
6mm	532343	50	6.4	18	1.6
6mm	532326	100	6.6	15	1.6
6mm	532327	50	6.4	20	1.25
6mm	532328	50	6.6	25	1.75
6mm	532329	50	6.4	30	1.25
8mm	532330	50	8.4	20	2
8mm	532331	50	8.4	24	2
8mm	532344	25	8.4	25	2
8mm*	532332	50	8.4	30	2
10mm	532345	25	10.5	30	2.5
10mm	532333	25	10.5	40	1.25
12mm	532334	25	12	30	3
12mm	532346	25	13	40	3
16mm	532347	10	17	50	3
20mm	532348	10	21	60	4

***Yellow Zinc Plated**

- DIN 9021.
- Oversized O.D. approx. 3 times bolt diameter.
- Class 8.8.
- For applications that require a large bearing surface.

Protected by **LUSTERPLATE™** against rust & corrosion





Part No. 501820
295 pieces • 16 items • 12050 steel tray

532325	532329	532333	532342
532326	532330	532334	532343
532327	532331	532340	532344
532328	532332	532341	532345

Numbers in assortment

METRIC WASHERS and SCREWS

METRIC COPPER WASHERS/GASKETS AND SEALS

Used on fuel filters, fuel injection pumps, brake hose, drain plugs, etc. for both Imports and Domestic.

- **DIN 7603.**



PART NUMBER	I.D. x O.D.	THICKNESS	QTY
553801	6 x 10mm	1.0mm	50
553802	8 x 12mm	1.0mm	50
553803	8 x 14mm	1.0mm	50
553804	10 x 14mm	1.0mm	50
553805	10 x 16mm	1.0mm	50
553806	12 x 16mm	1.5mm	50
323260	12 x 16mm	2.0mm	50
553807	12 x 18mm	1.5mm	50
553808	14 x 18mm	1.5mm	50
553809	14 x 20mm	1.5mm	50
323261	14 x 20mm	2.0mm	50

PART NUMBER	I.D. x O.D.	THICKNESS	QTY
553810	16 x 20mm	1.5mm	50
553811	18 x 24mm	1.5mm	50
323263	18 x 24mm	2.0mm	50
553812	20 x 26mm	1.5mm	25
323264	20 x 26mm	2.0mm	25
553813	22 x 27mm	1.5mm	25
553814	24 x 30mm	2.0mm	25
553815	26 x 32mm	2.0mm	25
553816	28 x 34mm	2.0mm	25
553817	30 x 36mm	2.5mm	25
553818	32 x 38mm	2.5mm	25



Part No. 501462
425 pieces • 18 items • 12071 steel tray

553801	**553804**	**553807**	**553810**	**553813**	**553816**
553802	**553805**	**553808**	**553811**	**553814**	**553817**
553803	**553806**	**553809**	**553812**	**553815**	**553818**

Numbers in assortment

Part No. 553800
212 pieces • 18 items • 12040 plastic tray

553801	**553804**	**553807**	**553810**	**553813**	**553816**
553802	**553805**	**553808**	**553811**	**553814**	**553817**
553803	**553806**	**553809**	**553812**	**553815**	**553818**

Numbers in assortment

METRIC FLAT HEAD SLOTTED MACHINE SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- **DIN 963.**
- **CLASS 4.8 (Comparable to Grade 2 strength.)**



	DIA. 3mm		DIA. 4mm		DIA. 5mm		DIA. 6mm		DIA. 8mm		DIA. 10mm	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
6mm	**532071**	100	**532075**	100	**533256**	100	**---**	-	**---**	-	**---**	-
8mm	**533250**	100	**533253**	100	**---**	-	**---**	-	**---**	-	**---**	-
10mm	**532072**	100	**532076**	100	**532080**	100	**532085**	100	**---**	-	**---**	-
12mm	**533251**	100	**533254**	100	**533257**	100	**533259**	100	**---**	-	**---**	-
14mm	**533252**	100	**533255**	100	**533258**	100	**---**	-	**---**	-	**---**	-
16mm	**532073**	100	**532077**	100	**532081**	100	**532086**	100	**533260**	50	**533265**	25
20mm	**532074**	100	**532078**	100	**532082**	100	**532087**	100	**533261**	50	**533266**	25
25mm	**---**	-	**532079**	100	**532083**	100	**532088**	100	**533262**	50	**533267**	25
30mm	**---**	-	**---**	-	**532084**	100	**532089**	100	**533263**	50	**533268**	25
35mm	**---**	-	**---**	-	**---**	-	**---**	-	**533264**	50	**533269**	25

METRIC PAN HEAD SLOTTED MACHINE SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- **DIN 85.**
- **CLASS 4.8 (Comparable to Grade 2 strength.)**



	DIA. 3mm		DIA. 4mm		DIA. 5mm		DIA. 6mm	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
6mm	**532051**	100	**532055**	100	**532060**	100	**---**	-
8mm	**533240**	100	**533242**	100	**---**	-	**---**	-
10mm	**532052**	100	**532056**	100	**532061**	100	**532066**	100
12mm	**533241**	100	**533243**	100	**533244**	100	**533245**	100
16mm	**532053**	100	**532057**	100	**532062**	100	**532067**	100
20mm	**532054**	100	**532058**	100	**532063**	100	**532068**	100
25mm	**---**	-	**532059**	100	**532064**	100	**532069**	100
30mm	**---**	-	**---**	-	**532065**	100	**532070**	100
35mm	**---**	-	**---**	-	**---**	-	**533246**	100
40mm	**---**	-	**---**	-	**---**	-	**533247**	100

METRIC CHEESE HEAD SLOTTED MACHINE SCREWS

Protected by **LUSTERPLATE™** against rust & corrosion

- **DIN 84.**
- **Class 4.8 (Comparable to Grade 2 strength).**





Part No. 533005
225 pieces • 12 items • 12027 plastic tray

533277	**533287**	**533291**	**533295**
533279	**533288**	**533292**	**533296**
533285	**533289**	**533293**	**533298**

Numbers in assortment

	DIA. 3mm PITCH .50		DIA. 4mm PITCH .70		DIA. 5mm PITCH .80		DIA. 6mm PITCH 1.00	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
5mm	**---**	-	**533282**	100	**---**	-	**---**	-
6mm	**533275**	100	**533283**	100	**---**	-	**---**	-
8mm	**533276**	100	**533284**	100	**---**	-	**---**	-
10mm	**533277**	100	**533285**	100	**533289**	100	**533293**	100
12mm	**533278**	100	**533286**	100	**533290**	100	**533294**	100
16mm	**533279**	100	**533287**	100	**533291**	100	**533295**	100
20mm	**533280**	100	**533288**	100	**533292**	100	**533296**	100
25mm	**533281**	100	**---**	-	**---**	-	**533297**	100
30mm	**---**	-	**---**	-	**---**	-	**533298**	100

METRIC SCREWS

METRIC PAN HEAD PHILLIPS MACHINE SCREWS

LENGTH	DIA. 3mm PART NUMBER	QTY	DIA. 4mm PART NUMBER	QTY	DIA. 5mm PART NUMBER	QTY	DIA. 6mm PART NUMBER	QTY	DIA. 8mm PART NUMBER	QTY
4mm	533300	100	---	-	---	-	---	-	---	-
6mm	533301	100	533309	100	533318	100	---	-	---	-
8mm	533302	100	533310	100	533319	100	---	-	---	-
10mm	533303	100	533311	100	533320	100	533326	50	---	-
12mm	533304	100	533340	100	533343	100	533344	50	533348	50
16mm	533305	100	533312	100	533321	100	533327	50	533335	50
20mm	533306	100	533313	100	533322	50	533328	50	533336	50
25mm	533307	100	533314	100	533323	50	533329	50	533337	50
30mm	533308	100	533315	100	533324	50	533330	50	533338	50
35mm	---	-	---	-	533325	50	533331	50	---	-
40mm	---	-	533316	50	---	-	533332	50	533339	50
45mm	---	-	533317	50	---	-	533333	50	---	-
50mm	---	-	533341	50	---	-	533334	50	---	-
55mm	---	-	533342	50	---	-	533345	50	---	-
60mm	---	-	---	-	---	-	533346	50	---	-
75mm	---	-	---	-	---	-	533347	50	---	-

Protected by **LUSTERPLATE™** against rust & corrosion



- **DIN 7985.**
- **CLASS 4.8 (Comparable to Grade 2 strength.)**



Part No. 533001
220 pieces • 12 items • 12027 plastic tray

533303	533312	533322	533329
533304	533313	533327	533336
533311	533320	533328	533338

Numbers in assortment

3 HEAD STYLE METRIC MACHINE SCREW ASSORTMENT

Assortment contains Phillips Flat, Pan and Oval Head screws, plus hex nuts.



Sizes: 3 x 6mm through 8 x 20mm
Includes hex nuts
Part No. 501405 • 1430 pieces • 32 items • 12062 steel tray

HEX NUTS	PHILLIPS FLAT	PHILLIPS FLAT	PHILLIPS PAN	PHILLIPS PAN	PHILLIPS PAN	PHILLIPS OVAL	PHILLIPS OVAL
3mm	3 x 6mm	5 x 10mm	3 x 6mm	5 x 10mm	8 x 20mm	3 x 6mm	6 x 25mm
4mm	3 x 10mm	5 x 20mm	3 x 10mm	5 x 20mm		3 x 10mm	
5mm	4 x 10mm	6 x 16mm	4 x 10mm	6 x 16mm		4 x 16mm	
6mm	4 x 16mm	6 x 20mm	4 x 16mm	6 x 20mm		5 x 20mm	
8mm	4 x 20mm	6 x 25mm	4 x 20mm	6 x 25mm		6 x 16mm	

Numbers in assortment



A16

METRIC FLAT HEAD PHILLIPS MACHINE SCREWS

LENGTH	DIA. 3mm PART NUMBER	QTY	DIA. 4mm PART NUMBER	QTY	DIA. 5mm PART NUMBER	QTY	DIA. 6mm PART NUMBER	QTY
6mm	533350	100	---	-	---	-	---	-
8mm	533351	100	533355	100	533361	100	---	-
10mm	533352	100	533356	100	533362	100	533368	50
12mm	---	-	533357	100	533363	100	533369	50
16mm	533353	100	533358	100	533364	100	533370	50
20mm	---	-	533359	100	533365	50	533371	50
25mm	533354	100	533360	100	533366	50	533372	50
30mm	---	-	---	-	533367	50	533373	50
35mm	---	-	---	-	---	-	533374	50
40mm	---	-	---	-	---	-	533375	50

- **DIN 965.**
- **CLASS 4.8 (Comparable to Grade 2.)**

Protected by **LUSTERPLATE™** against rust & corrosion



METRIC OVAL HEAD PHILLIPS MACHINE SCREWS

LENGTH	DIA. 3mm PART NUMBER	QTY	DIA. 4mm PART NUMBER	QTY	DIA. 5mm PART NUMBER	QTY	DIA. 6mm PART NUMBER	QTY
6mm	533380	100	---	-	---	-	---	-
8mm	533381	100	---	-	---	-	---	-
10mm	533382	100	---	-	---	-	533393	50
16mm	533383	100	533385	100	533389	50	533394	50
20mm	---	-	533386	100	533390	50	---	-
25mm	533384	100	533387	100	533391	50	533395	50
30mm	---	-	533388	100	533392	50	533396	50
35mm	---	-	---	-	---	-	533397	50
40mm	---	-	---	-	---	-	533398	50
50mm	---	-	---	-	---	-	533399	50

- **DIN 966.**
- **CLASS 4.8 (Comparable to Grade 2.)**



Protected by **LUSTERPLATE™** against rust & corrosion



Part No. 533003
225 pieces • 12 items • 12027 plastic tray

533382	533386	533391	533394
533383	533387	533392	533395
533385	533389	533393	533396

Numbers in assortment

METRIC SCREWS

METRIC SOCKET SET SCREWS

Protected by **BLACK OXIDE FINISH™** against rust & corrosion

- **CLASS 14.9 - DIN 916.**
- **Special heat-treated alloy steel. Minimum 170,000 PSI tensile strength.**
- **Deep Socket to prevent wrench slippage. Deep cup point for vibration resistant bite.**



LENGTH	DIA. 3mm 1.5mm HEX KEY PART NUMBER	QTY	DIA. 4mm 2mm HEX KEY PART NUMBER	QTY	DIA. 5mm 2.5mm HEX KEY PART NUMBER	QTY	DIA. 6mm 3mm HEX KEY PART NUMBER	QTY	DIA. 8mm 4mm HEX KEY PART NUMBER	QTY	DIA. 10mm 5mm HEX KEY PART NUMBER	QTY	DIA. 12mm 6mm HEX KEY PART NUMBER	QTY
3mm	**532401**	100	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
4mm	**532402**	100	**532409**	100	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
5mm	**---**	-	**532410**	100	**532418**	50	**---**	-	**---**	-	**---**	-	**---**	-
6mm	**532403**	100	**532411**	100	**532419**	50	**532428**	50	**---**	-	**---**	-	**---**	-
8mm	**532404**	100	**532412**	100	**532420**	50	**532429**	50	**532437**	50	**---**	-	**---**	-
10mm	**532405**	100	**532413**	100	**532421**	50	**532430**	50	**532438**	50	**532446**	50	**---**	-
12mm	**532406**	100	**532414**	100	**532422**	50	**532431**	50	**532439**	50	**532447**	50	**532455**	30
14mm	**532407**	100	**532415**	100	**532423**	50	**532432**	50	**532440**	50	**532448**	50	**532456**	30
16mm	**532408**	100	**532416**	100	**532424**	50	**532433**	50	**532441**	50	**532449**	50	**532457**	30
20mm	**---**	-	**532417**	100	**532425**	50	**532434**	50	**532442**	50	**532450**	50	**532458**	30
25mm	**---**	-	**---**	-	**532426**	50	**532435**	50	**532443**	50	**532451**	50	**532459**	30
30mm	**---**	-	**---**	-	**532427**	50	**532436**	50	**532444**	50	**532452**	50	**532460**	30
35mm	**---**	-	**---**	-	**---**	-	**---**	-	**532445**	50	**532453**	50	**---**	-
40mm	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**532454**	50	**532461**	30
50mm	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**532462**	30



SMALL DIAMETER
Sizes: 3 x 3mm through 5 x 20mm
Part No. 501079
825 pieces • 22 items • 12017 steel tray

532401	**532406**	**532412**	**532418**	**532424**
532402	**532408**	**532413**	**532419**	**532425**
532403	**532409**	**532414**	**532420**	
532404	**532410**	**532416**	**532421**	
532405	**532411**	**532417**	**532422**	

Numbers in assortment



LARGE DIAMETER
Sizes: 6 x 8mm through 12 x 50mm
Part No. 501080
339 pieces • 23 items • 12017 steel tray

532429	**532438**	**532447**	**532453**	**532460**
532430	**532439**	**532449**	**532455**	**532461**
532431	**532441**	**532450**	**532457**	**532462**
532433	**532442**	**532451**	**532458**	
532434	**532446**	**532452**	**532459**	

Numbers in assortment

METRIC THREADED ROD

Protected by **LUSTERPLATE™** against rust & corrosion

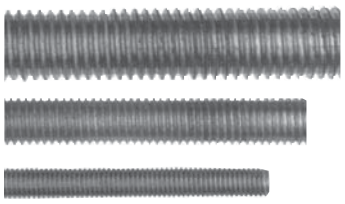
Universal applications.

- **1 meter lengths (39-3/8 inches.)**
- **Coarse thread.**
- **Class 4.6 - DIN 975.**

Sizes: 4mm to 12mm
Part No. 532274
6 pieces • 6 items

532275	**532277**	**532279**
532276	**532278**	**532280**

Numbers in assortment



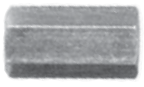
SIZE	PITCH	PART NUMBER
4mm	.70mm	**532275**
5mm	.80mm	**532276**
6mm	1.00mm	**532277**
8mm	1.25mm	**532278**
10mm	1.50mm	**532279**
12mm	1.75mm	**532280**
14mm	2.00mm	**532281**
16mm	2.00mm	**532282**
18mm	2.50mm	**532283**
20mm	2.50mm	**532284**
24mm	3.00mm	**532285**
30mm	3.50mm	**532286**

METRIC HEX ROD COUPLINGS

Protected by **LUSTERPLATE™** against rust & corrosion

Used to make rods over 1 meter long.

- **Class 5.6 - coarse thread.**
- **Connect short pieces to eliminate waste.**



SIZE	PITCH	PART NUMBER	QTY
5mm	.80mm	**532288**	12
6mm	1.00mm	**532289**	12
8mm	1.25mm	**532290**	12
10mm	1.50mm	**532291**	12
12mm	1.75mm	**532292**	12

A16

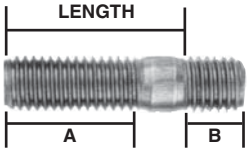
METRIC THREAD FASTENERS, ROLLER CHAIN and COTTER PINS

DOUBLE END METRIC STUDS

DIAMETER & PITCH	LENGTH	PART NUMBER	A/B	QTY
6mm x1.0	25mm	**532311**	18/7.5mm	25
6mm x1.0	30mm	**532312**	18/7.5mm	25
6mm x1.0	40mm	**532313**	18/7.5mm	25
6mm x1.0	50mm	**532321**	18/7.5mm	25
8mm x1.25	25mm	**532314**	22/10mm	25
8mm x1.25	30mm	**532315**	22/10mm	25
8mm x1.25	40mm	**532316**	22/10mm	25
8mm x1.25	50mm	**532322**	22/10mm	25
10mm x1.25	28mm	**532323**	20/14mm	24 *
10mm x1.25	32mm	**532324**	25/16mm	24 *
10mm x1.5	30mm	**532317**	26/12mm	25
10mm x1.5	40mm	**532318**	26/12mm	25
10mm x1.5	50mm	**532319**	26/12mm	25
10mm x1.5	80mm	**532320**	26/12mm	25

*** PLATED**

- **Class 5.6 - DIN 939.**
- **See catalog section L13 for Master Stud & Manifold Nut assortent.**



Protected by **BLACK OXIDE FINISH™** against rust & corrosion



Part No. 532300
62 pieces • 12 items • 12039 plastic tray

532311	**532314**	**532317**	**532320**
532312	**532315**	**532318**	**532321**
532313	**532316**	**532319**	**532322**

Numbers in assortment

FULL THREAD STUDS

LENGTH	DIA. 6mm PITCH 1.00 PART NUMBER	QTY	DIA. 8mm PITCH 1.25 PART NUMBER	QTY
23mm	**532335**	25	**---**	-
27mm	**---**	-	**532336**	25
31mm	**---**	-	**532337**	25
35mm	**---**	-	**532338**	25
40mm	**---**	-	**532339**	25

- **CLASS 4.8 (Comparable to Grade 2 strength.)**
- **Plain finish.**





Part No. 532303
48 pieces • 5 items • 12028 plastic tray

532335	**532337**	**532339**
532336	**532338**	

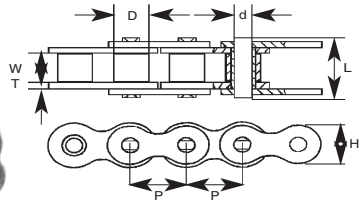
Numbers in assortment

BRITISH STANDARD METRIC ROLLER CHAIN

For chain driven power transmissions, snowmobiles, motorcycles, bicycles, go-carts, aqua-cats, home snowplows, printing presses, mining, industrial, farm and agricultural equipment.

- **Conforms to ISO 606.B, BS.228 (British Standards) and DIN 8187 (German Standards).**
- **Heat treated steel pre-lubricated, longer lasting.**
- **Meets ANSI specifications. Interchangeable with chains already in use.**
- **Packed 10 feet per box. Includes connecting link.**





PART NUMBER	INDUSTRY CHAM NUMBER	PITCH P	ROLLER WIDTH W	ROLLER DIA. D	OVERALL WIDTH	PIN DIA. d	LINK PLATE HEIGHT H	LINK PLATE THKN. T	AVERAGE TENSILE STRENGTH LBS.	REPAIR LINKS OFFSET PART NUMBER	REPAIR LINKS CONNECTING PART NUMBER	QTY
407250	06B	3/8	.225	.250	.531	.130	.335	.050	2,300	**407260**	**407270**	5
407251	08B	1/2	.305	.335	.669	.175	.472	.060	4,000	**407261**	**407271**	5
407252	10B	5/8	.380	.400	.772	.200	.579	.065	5,600	**407262**	**407272**	5
407253	12B	3/4	.460	.475	.894	.225	.637	.070	7,200	**407263**	**407273**	5
407254	16B	1	.670	.625	1.421	.326	.827	.156	15,000	**407264**	**407274**	2
407255	20B	1-1/4	.770	.750	1.701	.401	1.039	.177	23,800	**407265**	**407275**	2

Dimension in inches.

METRIC COTTER PINS

LENGTH	DIA. 1.6mm PART NUMBER	QTY	DIA. 2mm PART NUMBER	QTY	DIA. 2.5mm PART NUMBER	QTY	DIA. 3.2mm PART NUMBER	QTY	DIA. 4mm PART NUMBER	QTY	DIA. 5mm PART NUMBER	QTY	DIA. 6.3mm PART NUMBER	QTY
16mm	**531974**	100	**---**	-	**---**	-	**531982**	100	**---**	-	**---**	-	**---**	-
20mm	**531975**	100	**531978**	100	**---**	-	**531983**	100	**---**	-	**---**	-	**---**	-
25mm	**531976**	100	**532040**	100	**531979**	100	**532042**	100	**532044**	100	**---**	-	**---**	-
30mm	**---**	-	**532041**	100	**---**	-	**531984**	100	**531986**	100	**532046**	50	**531994**	25
40mm	**531977**	100	**---**	-	**531980**	100	**532043**	100	**532045**	100	**---**	-	**531995**	25
45mm	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**531989**	50	**531996**	25
50mm	**---**	-	**---**	-	**531981**	100	**531985**	100	**531987**	50	**532047**	50	**531997**	25
55mm	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**531990**	50	**531998**	25
63mm	**---**	-	**---**	-	**---**	-	**---**	-	**531988**	50	**531991**	50	**531999**	25

Protected by **LUSTERPLATE™** against rust & corrosion

- **DIN 94.**



Part No. 501388
616 pieces • 32 items • 12062 steel tray

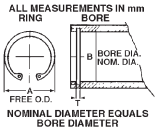
531974	**531979**	**531984**	**531989**	**531996**	**532041**	**532046**
531975	**531980**	**531985**	**531990**	**531997**	**532042**	**532047**
531976	**531981**	**531986**	**531991**	**531998**	**532043**	
531977	**531982**	**531987**	**531994**	**531999**	**532044**	
531978	**531983**	**531988**	**531995**	**532040**	**532045**	

Numbers in assortment



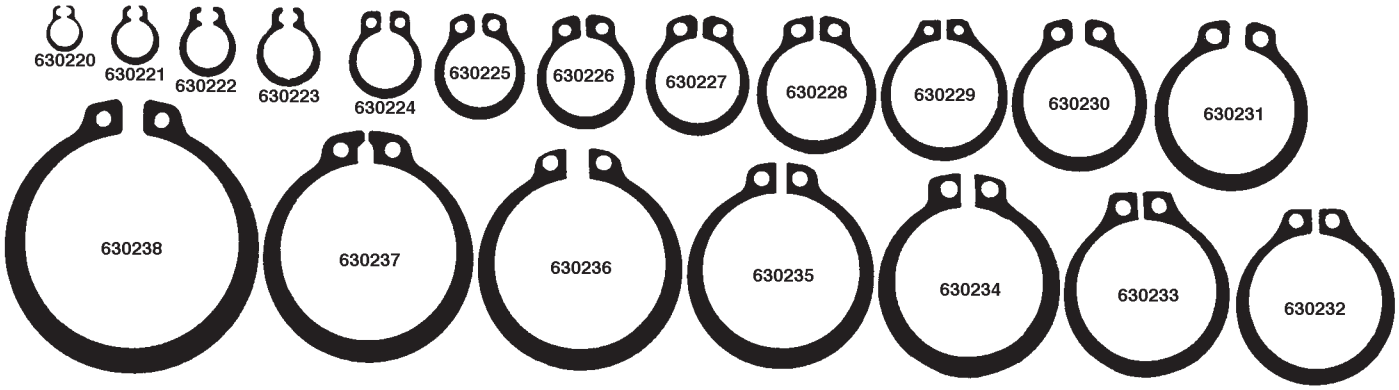
METRIC RETAINING RINGS

METRIC INTERNAL RETAINING RINGS



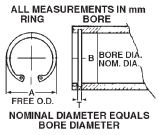
CODE	PART NUMBER	630239	630240	630241	630242	630243	630244	630245	630246	630247	630248	630249	630250
B	NOM. SIZE DIA.	8mm	10mm	12mm	14mm	16mm	17mm	18mm	20mm	21mm	22mm	24mm	30mm
A	FREE DIA. O.D.	8.7	10.8	13	15.1	17.3	18.3	19.5	21.5	22.5	23.5	29.9	32.1
T	THICKNESS	0.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3

METRIC EXTERNAL RETAINING RINGS



CODE	PART NUMBER	630220	630221	630222	630223	630224	630225	630226	630227	630228	630229
B	NOM. SIZE DIA.	4mm	5mm	6mm	7mm	8mm	10mm	11mm	12mm	14mm	15mm
A	FREE DIA. I.D.	3.7	4.7	5.6	6.5	7.4	9.3	10.2	11	12.9	13.8
T	THICKNESS	0.5	0.7	0.8	0.9	0.9	1.1	1.1	1.1	1.1	1.1

CODE	PART NUMBER	630230	630231	630232	630233	630234	630235	630236	630237	630238
B	NOM. SIZE DIA.	16mm	18mm	19mm	20mm	21mm	22mm	24mm	25mm	30mm
A	FREE DIA. I.D.	14.7	16.5	17.5	18.5	19.5	20.5	22.2	23.2	27.9
T	THICKNESS	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6



METRIC "E" RINGS



CODE	PART NUMBER	630210	630211	630212	630213	630214	630215	630216	630217	630218	630219
B	NOM. SIZE DIA. I.D.	3.2mm	4mm	5mm	6mm	7mm	8mm	9mm	10mm	12mm	15mm
A	NOM. SIZE DIA. O.D.	7.0	9.0	11.0	12.0	14.0	16.0	18.5	20.0	23.0	29.0
T	THICKNESS	0.6	0.7	0.7	0.7	0.9	1.0	1.1	1.2	1.3	1.5

METRIC RETAINING RINGS and SPRING ROLL PINS

METRIC "E" RINGS ASSORTMENT



Sizes: 3.2mm through 15mm
Part No. 630101
280 pieces • 10 items • 12030 plastic tray

3.2mm	5mm	7mm	9mm	12mm
4mm	6mm	8mm	10mm	15mm

Numbers in assortment

"E" RING



METRIC INTERNAL RETAINING RINGS ASSORTMENT



Sizes: 8mm through 30mm
Part No. 630103
234 pieces • 12 items • 12038 plastic tray

8mm	12mm	16mm	18mm	21mm	24mm
10mm	14mm	17mm	20mm	22mm	30mm

Numbers in assortment

INTERNAL



METRIC "E", INTERNAL & EXTERNAL RETAINING RINGS ASSORTMENT



Sizes: 3.2mm through 24mm
Part No. 501389
869 pieces • 31 items • 12062 steel tray

"E" RINGS	"E" RINGS	"E" RINGS	EXT. RINGS	EXT. RINGS	EXT. RINGS	INT. RINGS	INT. RINGS	INT. RINGS
3.2mm	7mm	12mm	4mm	10mm	18mm	8mm	16mm	24mm
4mm	8mm	15mm	5mm	12mm	20mm	10mm	18mm	
5mm	9mm		6mm	14mm	22mm	12mm	20mm	
6mm	10mm		8mm	16mm	24mm	14mm	22mm	

Numbers in assortment

"E" RING



INTERNAL



EXTERNAL



METRIC SPRING ROLL PINS



Replaces grooved pins, cotter pins, set screws, clevis pins, dowels, rivets, tapered pins, gear hubs, headed pins, bolts and nuts.



- DIN 1481.
- High carbon spring steel. Heat treated.
- Chamfered ends for fast installation.
- Self locking spring action provides continuous holding power.

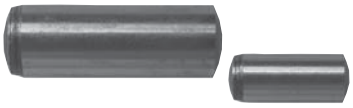
	DIA. 1.5mm		DIA. 2mm		DIA. 2.5mm		DIA. 3mm		DIA. 4mm		DIA. 5mm		DIA. 6mm		DIA. 8mm	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
8mm	**532806**	100	---	-	---	-	---	-	---	-	---	-	---	-	---	-
12mm	**532807**	100	**532809**	100	**532813**	100	**532817**	100	**532821**	100	---	-	---	-	---	-
16mm	**532808**	100	**532810**	100	**532814**	100	---	-	**532822**	100	**532825**	100	---	-	---	-
18mm	---	-	---	-	---	-	**532818**	100	---	-	---	-	---	-	---	-
20mm	---	-	---	-	---	-	---	-	---	-	**532826**	100	**532829**	50	**532833**	50
24mm	---	-	**532811**	100	**532815**	100	---	-	---	-	---	-	---	-	---	-
26mm	---	-	---	-	---	-	**532819**	100	---	-	---	-	---	-	---	-
28mm	---	-	---	-	---	-	---	-	**532823**	100	---	-	---	-	---	-
30mm	---	-	**532812**	100	**532816**	100	---	-	---	-	**532827**	100	**532830**	50	**532834**	50
32mm	---	-	---	-	---	-	**532820**	100	---	-	---	-	---	-	---	-
40mm	---	-	---	-	---	-	---	-	**532824**	100	**532828**	100	**532831**	50	**532835**	50
50mm	---	-	---	-	---	-	---	-	---	-	---	-	**532832**	50	**532836**	50

METRIC PINS and KEYSTOCK

METRIC DOWEL PINS

Use to fasten and align engine parts and gears.

- DIN 6325/M6.
- Hardened steel to Rockwell 58-62C.
- Precision ground.





Part No. 501666
338 pieces • 27 items
12062 steel tray

533450	533465	533474	533484
533452	533466	533475	533487
533453	533467	533476	533489
533458	533468	533480	533490
533459	533469	533481	533491
533460	533472	533482	533492
533461	533473	533483	

Numbers in assortment

LENGTH	DIA. 4mm Single Shear Strength 2,965 lbs. PART NUMBER	QTY	DIA. 5mm Single Shear Strength 4,635 lbs. PART NUMBER	QTY	DIA. 6mm Single Shear Strength 6,650 lbs. PART NUMBER	QTY	DIA. 8mm Single Shear Strength 11,850 lbs. PART NUMBER	QTY	DIA. 10mm Single Shear Strength 18,550 lbs. PART NUMBER	QTY	DIA. 12mm Single Shear Strength 26,700 lbs. PART NUMBER	QTY
10mm	**533450**	25	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
12mm	**533451**	25	**533457**	25	**533464**	25	**---**	-	**---**	-	**---**	-
16mm	**533452**	25	**533458**	25	**533465**	25	**533471**	25	**533479**	10	**---**	-
20mm	**533453**	25	**533459**	25	**533466**	25	**533472**	25	**533480**	10	**---**	-
24mm	**533454**	25	**533460**	25	**533467**	25	**533473**	25	**533481**	10	**533487**	5
32mm	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**533488**	5
36mm	**533455**	25	**533461**	25	**533468**	25	**533474**	10	**533482**	10	**533489**	5
40mm	**533456**	25	**533462**	25	**533469**	25	**533475**	10	**533483**	10	**533490**	5
50mm	**---**	-	**533463**	25	**533470**	25	**533476**	10	**533484**	10	**533491**	5
60mm	**---**	-	**---**	-	**---**	-	**533477**	10	**533485**	10	**533492**	5
80mm	**---**	-	**---**	-	**---**	-	**533478**	10	**533486**	10	**533493**	5

METRIC KEYSTOCK

Use to cut and fit your own machinery keys.

- Machine cut corners are sharp and square.
- Finished oversize for snug fit.
- Parallel faces insure perfect fit.
- OUR keystock is engineered to eliminate backlash. Assures more efficient operation and longer life.
- Oversize tolerances - .000 to +.0762mm.
- Size marked on every bar.
- Handy 12" length.
- High quality cold drawn steel.

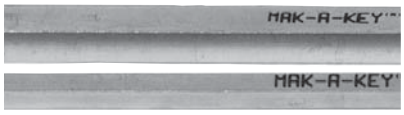


Part No. 501659
18 pieces • 6 items • 12116 steel tray

554040	554042	554045
554041	554044	554046

Numbers in assortment

Protected by
LUSTERPLATE™
against rust & corrosion



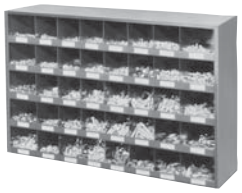
SIZE	PART NUMBER	QTY
4 x 4mm	**554040**	2
5 x 5mm	**554041**	2
6 x 6mm	**554042**	2
7 x 7mm	**554043**	2
8 x 8mm	**554044**	2
10 x 10mm	**554045**	2
12 x 12mm	**554046**	2
14 x 14mm	**554047**	2

(Standard sizes available see section A18)

A16

METRIC STAINLESS STEEL

40 BIN METRIC STAINLESS STEEL ASSORTMENT



- A2 stainless steel (similar to 18-8 stainless).
- Popular sizes of metric cap screws, nuts, flat washers, and lock washers from 5mm through 12mm diameter.

A2 STAINLESS STEEL COARSE

Part No. 501061
879 pieces • 40 items
12021 steel cabinet

Assortment Photo for illustration purposes only.
Actual Contents may vary.



5mm x 20mm	6mm x 25mm	8mm x 25mm	10mm x 25mm	12mm x 25mm	5mm hex nut	5mm flat washer	5mm lock washer
5mm x 25	6mm x 30mm	8mm x 30mm	10mm x 30mm	12mm x 35mm	6mm hex nut	6mm flat washer	6mm lock washer
5mm x 30mm	6mm x 40mm	8mm x 35mm	10mm x 35mm	12mm x 40mm	8mm hex nut	8mm flat washer	8mm lock washer
6mm x 10mm	8mm x 16mm	8mm x 40mm	10mm x 40mm	12mm x 50mm	10mm hex nut	10mm flat washer	10mm lock washer
6mm x 20mm	8mm x 20mm	10mm x 20mm	10mm x 50mm	12mm x 60mm	12mm hex nut	12mm flat washer	12mm lock washer

16 BIN METRIC STAINLESS STEEL HEX CAP SCREW ASSORTMENT



- A2 stainless steel (similar to 18-8 stainless).
- Popular sizes of metric cap screws from 5mm through 12mm diameter.

A2 STAINLESS STEEL COARSE

Part No. 501048
148 pieces • 15 items
12058 steel cabinet

Assortment Photo for illustration purposes only.
Actual Contents may vary.



5mm x 25mm	5mm x 30mm	5mm x 40mm	6mm x 25mm	6mm x 30mm	6mm x 40mm	8mm x 30mm	8mm x 40mm
8mm x 50mm	10mm x 30mm	10mm x 40mm	10mm x 50mm	12mm x 40mm	12mm x 50mm	12mm x 70mm	

METRIC STAINLESS STEEL SHOP ASSORTMENT

A16



Part No. 501406
605 pieces • 32 items • 12062 steel tray

HEX NUTS	LOCK WASHERS	FLAT WASHERS	CAP SCREWS	CAP SCREWS	CAP SCREWS	CAP SCREWS
5mm	5mm	5mm	5 x 12mm	6 x 20mm	10 x 20mm	12 x 35mm
6mm	6mm	6mm	5 x 16mm	8 x 20mm	10 x 25mm	12 x 40mm
8mm	8mm	8mm	5 x 20mm	8 x 25mm	10 x 30mm	
10mm	10mm	10mm	6 x 12mm	8 x 30mm	10 x 40mm	
12mm	12mm	12mm	6 x 16mm	8 x 40mm	12 x 25mm	

Numbers in assortment

- Contains cap screws, hex nuts, flat washers and lock washers.



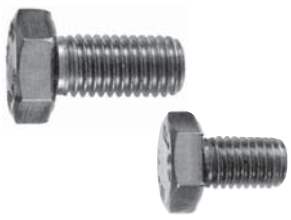
METRIC STAINLESS STEEL CAP SCREWS ASSORTMENT



Part No. 501407
255 pieces • 27 items • 12062 steel tray

CAP SCREWS	CAP SCREWS	CAP SCREWS	CAP SCREWS	CAP SCREWS	CAP SCREWS
5 x 12mm	6 x 20mm	8 x 30mm	10 x 25mm	12 x 20mm	12 x 50mm
5 x 16mm	6 x 25mm	8 x 35mm	10 x 30mm	12 x 25mm	12 x 60mm
5 x 20mm	8 x 16mm	8 x 40mm	10 x 35mm	12 x 30mm	
6 x 12mm	8 x 20mm	10 x 16mm	10 x 40mm	12 x 35mm	
6 x 16mm	8 x 25mm	10 x 20mm	10 x 50mm	12 x 40mm	

Numbers in assortment



METRIC STAINLESS STEEL NUTS & WASHERS ASSORTMENT



Part No. 501408
570 pieces • 20 items • 12017 steel tray

HEX NUTS	LOCK NUTS	LOCK WASHERS	FLAT WASHERS
5mm	5mm	5mm	5mm
6mm	6mm	6mm	6mm
8mm	8mm	8mm	8mm
10mm	10mm	10mm	10mm
12mm	12mm	12mm	12mm

Numbers in assortment

- Contains standard & nylon nuts, flat & lock washers.
- Sizes from 5mm through 12mm diameter.



METRIC STAINLESS STEEL

METRIC STAINLESS STEEL CAP SCREWS

- Grade A2. Similar to 18-8 stainless steel.
- DIN 933.
- Fully threaded.

LENGTH	DIA. 4mm PITCH .70 PART NUMBER	QTY	DIA. 5mm PITCH .80 PART NUMBER	QTY	DIA. 6mm PITCH 1.00 PART NUMBER	QTY	DIA. 8mm PITCH 1.25 PART NUMBER	QTY	DIA. 10mm PITCH 1.50 PART NUMBER	QTY	DIA. 12mm PITCH 1.75 PART NUMBER	QTY	DIA. 16mm PITCH 2.0 PART NUMBER	QTY
10mm	**533161**	25	---	-	**533111**	25	---	-	---	-	---	-	---	-
12mm	**533162**	25	**533102**	25	**533112**	25	**533120**	10	---	-	---	-	---	-
16mm	**533163**	25	**533103**	25	**533113**	25	**533121**	10	**533131**	10	---	-	---	-
20mm	**533164**	25	**533104**	25	**533114**	25	**533122**	10	**533132**	10	**533141**	10	---	-
25mm	**533165**	25	**533105**	25	**533115**	25	**533123**	10	**533133**	10	**533142**	10	---	-
30mm	---	-	**533106**	25	**533116**	25	**533124**	10	**533134**	10	**533143**	10	---	-
35mm	---	-	**533107**	10	---	-	**533125**	10	**533135**	10	**533144**	10	---	-
40mm	---	-	**533108**	10	**533117**	10	**533126**	10	**533136**	10	**533145**	10	---	-
45mm	---	-	---	-	---	-	**533127**	5	---	-	---	-	**533151**	5
50mm	---	-	---	-	---	-	**533128**	5	**533138**	10	**533147**	10	**533152**	5
60mm	---	-	---	-	---	-	**533129**	5	**533139**	5	**533149**	10	**533153**	5
70mm	---	-	---	-	---	-	---	-	**533140**	5	**533150**	5	**533154**	5





Size: 6 x 16mm through 12 x 40mm

Part No. 533000

225 pieces • 24 items

12045 plastic tray

533113	**533122**	533132	533142	533202	533205	533224	533233
533114	**533124**	533134	533144	533203	533222	533225	533234
533115	**533126**	533136	533145	533204	533223	533232	533235

Numbers in assortment



LENGTH	HEX NUT DIN 934 PART NUMBER	QTY	FLAT WASHER DIN 125/A PART NUMBER	QTY	LOCK WASHER DIN 127/B PART NUMBER	QTY	LOCK NUT DIN 985 PART NUMBER	QTY
3mm	**533208**	100	**533220**	100	**533230**	100	---	-
4mm	**533206**	25	**533226**	50	**533236**	50	**533216**	25
5mm	**533201**	25	**533221**	50	**533231**	50	**533211**	25
6mm	**533202**	25	**533222**	50	**533232**	50	**533212**	25
8mm	**533203**	25	**533223**	50	**533233**	50	**533213**	10
10mm	**533204**	10	**533224**	25	**533234**	25	**533214**	10
12mm	**533205**	10	**533225**	25	**533235**	25	**533215**	10
16mm	**533207**	10	**533227**	10	**533237**	10	**533217**	10

METRIC STAINLESS STEEL HEX JAM NUTS

- DIN 439.
- Grade A2. Similar to 18-8 stainless steel.



SIZE-PITCH	PART NUMBER	WIDTH MAX.	HEIGHT MAX.	QTY
3mm-.50	**554420**	5.5mm	1.8mm	100
4mm-.70	**554421**	7mm	2.2mm	100
5mm-.80	**554422**	8mm	2.7mm	100
6mm-1.00	**554423**	10mm	3.2mm	50
8mm-1.25	**554424**	13mm	4mm	50
10mm-1.50	**554425**	16mm	5mm	25
12mm-1.75	**554426**	18mm	6mm	10
16mm-2.00	**554427**	24mm	8mm	10

METRIC STAINLESS STEEL HEX CAP NUTS (ACORN)

- DIN 1587.
- Coarse threads.
- Grade A2. Similar to 18-8 stainless steel.
- Dome cover for neat appearance.



Part No. 553105

70 pieces • 6 items • 12028 plastic tray

554440	**554442**	**554444**
554441	**554443**	**554445**

Numbers in assortment



SIZE-PITCH	PART NUMBER	WIDTH MAX.	HEIGHT MAX.	QTY
4mm-.70	**554440**	7mm	8mm	25
5mm-.80	**554441**	8mm	10mm	25
6mm-1.00	**554442**	10mm	12mm	25
8mm-1.25	**554443**	13mm	15mm	10
10mm-1.50	**554444**	17mm	18mm	10
12mm-1.75	**554445**	19mm	22mm	10

METRIC STAINLESS STEEL

METRIC STAINLESS STEEL SOCKET CAP SCREWS

- DIN 912.
- Grade A2. Similar to 18-8 stainless steel.
- Full finished deep socket for greater wrenching leverage.

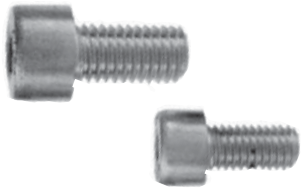
	DIA. 3mm 2.5mm HEX KEY		DIA. 4mm 3mm HEX KEY		DIA. 5mm 4mm HEX KEY		DIA. 6mm 5mm HEX KEY		DIA. 8mm 6mm HEX KEY		DIA. 10mm 8mm HEX KEY		DIA. 12mm 10mm HEX KEY		DIA. 16mm 14mm HEX KEY	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
6mm	553952	25	---	-	---	-	---	-	---	-	---	-	---	-	---	-
8mm	553953	25	553900	25	553959	25	---	-	---	-	---	-	---	-	---	-
10mm	553954	25	553901	25	553905	25	553913	25	---	-	---	-	---	-	---	-
12mm	553955	25	553902	25	553906	25	553914	25	---	-	---	-	---	-	---	-
16mm	553956	25	553903	25	553907	25	553915	25	553921	10	---	-	---	-	---	-
20mm	---	-	553904	25	553908	25	553916	25	553922	10	553927	10	553967	10	---	-
25mm	---	-	553957	25	553909	25	553917	25	553923	10	553928	10	553933	10	---	-
30mm	---	-	553958	25	553910	25	553918	25	553924	10	553929	10	553934	10	553943	5
35mm	---	-	---	-	553960	25	553919	10	553925	10	553930	10	553935	10	553944	5
40mm	---	-	---	-	553912	25	553920	10	553926	10	553931	10	553936	10	553945	5
50mm	---	-	---	-	---	-	553961	10	553962	10	553932	10	553937	10	553946	5
60mm	---	-	---	-	---	-	---	-	553963	10	553964	10	553938	5	553947	5
70mm	---	-	---	-	---	-	---	-	---	-	553965	10	553939	5	553948	1
80mm	---	-	---	-	---	-	---	-	---	-	553966	10	553940	5	553949	1
90mm	---	-	---	-	---	-	---	-	---	-	---	-	553941	5	553950	1
100mm	---	-	---	-	---	-	---	-	---	-	---	-	553942	5	553951	1



Size: 4 x 8mm through 12 x 40mm
Part No. 501507
288 pieces • 23 items
12017 steel tray

553900	553903	553908	553916	553921	553924	553929	553935
553901	553906	553909	553917	553922	553927	553930	553936
553902	553907	553915	553918	553923	553928	553934	

Numbers in assortment



METRIC STAINLESS STEEL FLAT HEAD SOCKET CAP SCREWS

- DIN 7991.
- Countersunk head for flush applications.
- Coarse threads.
- Grade A2 similar to 18-8 stainless steel.
- Full finished deep socket for greater wrenching leverage.

	DIA. 3mm PITCH .50 KEY SIZE: 2mm		DIA. 4mm PITCH .70 KEY SIZE: 2.5mm		DIA. 5mm PITCH .80 KEY SIZE: 3mm		DIA. 6mm PITCH 1.00 KEY SIZE: 4mm		DIA. 8mm PITCH 1.25 KEY SIZE: 5mm		DIA. 10mm PITCH 1.50 KEY SIZE: 6mm		DIA. 12mm PITCH 1.75 KEY SIZE: 8mm	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
6mm	554100	25	---	-	---	-	---	-	---	-	---	-	---	-
8mm	554101	25	554107	25	554114	-	---	-	---	-	---	-	---	-
10mm	554102	25	554108	25	554115	25	554122	-	---	-	---	-	---	-
12mm	554103	25	554109	25	554116	25	554123	25	554132	-	---	-	---	-
16mm	554104	25	554110	25	554117	25	554124	25	554133	10	---	-	---	-
20mm	554105	25	554111	25	554118	25	554125	25	554134	10	554142	10	---	-
25mm	554106	25	554112	25	554119	25	554126	25	554135	10	554143	10	554151	10
30mm	---	-	554113	25	554120	25	554127	25	554136	10	554144	10	554152	10
35mm	---	-	---	-	554121	25	554128	10	554137	10	554145	10	---	-
40mm	---	-	---	-	---	-	554129	10	554138	10	554146	10	554153	10
45mm	---	-	---	-	---	-	554130	10	554139	10	---	-	---	-
50mm	---	-	---	-	---	-	554131	10	554140	10	554147	10	554154	10
60mm	---	-	---	-	---	-	---	-	554141	10	554148	10	554155	5
70mm	---	-	---	-	---	-	---	-	---	-	554149	10	554156	5
80mm	---	-	---	-	---	-	---	-	---	-	554150	10	554157	5





Size: 3 x 8mm through 12 x 40mm
Part No. 501661
282 pieces • 23 items
12017 steel tray

554101	554108	554116	554124	554133	554136	554144	554152
554102	554109	554117	554125	554134	554142	554145	554153
554103	554110	554118	554126	554135	554143	554151	

Numbers in assortment

METRIC STAINLESS STEEL

METRIC STAINLESS STEEL SOCKET SET SCREWS

- DIN 916.
- Made from A2 stainless steel (similar to 18-8) .
- Deep cup point for vibration resistant bite.
- Deep socket to prevent wrench slippage.



	DIA. 3mm PITCH .50 KEY SIZE: 1.5mm		DIA. 4mm PITCH .70 KEY SIZE: 2mm		DIA. 5mm PITCH .80 KEY SIZE: 2.5mm		DIA. 6mm PITCH 1.00 KEY SIZE: 3mm		DIA. 8mm PITCH 1.25 KEY SIZE: 4mm		DIA. 10mm PITCH 1.50 KEY SIZE: 5mm		DIA. 12mm PITCH 1.75 KEY SIZE: 6mm	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
3mm	**554201**	25	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
4mm	**554202**	25	**554208**	25	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
5mm	**554203**	25	**554209**	25	**554214**	25	**---**	-	**---**	-	**---**	-	**---**	-
6mm	**554204**	25	**554210**	25	**554215**	25	**554219**	25	**---**	-	**---**	-	**---**	-
8mm	**554205**	25	**554211**	25	**554216**	25	**554220**	25	**554226**	10	**---**	-	**---**	-
10mm	**554206**	25	**554212**	25	**554217**	25	**554221**	25	**554227**	10	**554233**	10	**---**	-
12mm	**554207**	25	**554213**	25	**554218**	25	**554222**	25	**554228**	10	**554234**	10	**554241**	10
16mm	**---**	-	**---**	-	**---**	-	**554223**	25	**554229**	10	**554235**	10	**554242**	10
20mm	**---**	-	**---**	-	**---**	-	**554224**	25	**554230**	10	**554236**	10	**554243**	10
25mm	**---**	-	**---**	-	**---**	-	**554225**	25	**554231**	10	**554237**	10	**554244**	10
30mm	**---**	-	**---**	-	**---**	-	**---**	-	**554232**	10	**554238**	10	**554245**	10
35mm	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**554239**	10	**554246**	10
40mm	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**554240**	10	**554247**	10



Size: 3 x 3mm through 5 x 12mm
Part No. 501664
420 pieces • 18 items
12071 steel tray

554201	**554204**	**554207**	**554210**	**554213**	**553216**
554202	**553205**	**554208**	**554211**	**554214**	**554217**
554203	**553206**	**554209**	**554212**	**554215**	**554218**

Numbers in assortment



Size: 6 x 8mm through 12 x 40mm
Part No. 501665
237 pieces • 22 items
12017 steel tray

554220	**554223**	**554228**	**554233**	**554236**	**553240**	**554243**	**554246**
554221	**553224**	**554229**	**554234**	**554237**	**554241**	**554244**	
554222	**553227**	**554230**	**554235**	**554238**	**554242**	**554245**	

Numbers in assortment

METRIC STAINLESS STEEL FLAT HEAD SLOTTED MACHINE SCREWS

- DIN 963A.
- A2 stainless steel (similar to 18-8 stainless).





Part No. 501671
994 pieces • 19 items • 12071 steel tray

554326	**554330**	**554334**	**554338**	**554342**
554327	**554331**	**554335**	**554339**	**554343**
554328	**554332**	**554336**	**554340**	**554344**
554329	**554333**	**554337**	**554341**	

Numbers in assortment

	DIA. 3mm PITCH .50		DIA. 4mm PITCH .70		DIA. 5mm PITCH .80		DIA. 6mm PITCH 1.00	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
6mm	**554326**	50	**554331**	50	**---**	-	**---**	-
8mm	**554327**	50	**554332**	50	**---**	-	**---**	-
10mm	**554328**	50	**554333**	50	**554337**	50	**554341**	50
12mm	**554329**	50	**554334**	50	**554338**	50	**554342**	50
16mm	**554330**	50	**554335**	50	**554339**	50	**554343**	50
20mm	**---**	-	**554336**	50	**554340**	50	**554344**	50

METRIC STAINLESS STEEL CHEESE HEAD SLOTTED MACHINE SCREWS

- DIN 84A.
- A2 stainless steel (similar to 18-8 stainless).





Part No. 554300
225 pieces • 12 items • 12027 plastic tray

554301	**554305**	**554309**
554302	**554306**	**554310**
554303	**554307**	**554311**
554304	**554308**	**554312**

Numbers in assortment

	DIA. 4mm PITCH .70		DIA. 5mm PITCH .80		DIA. 6mm PITCH 1.00	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
5mm	**554301**	50	**---**	-	**---**	-
8mm	**554302**	50	**---**	-	**---**	-
10mm	**554303**	50	**554305**	50	**554309**	50
12mm	**554304**	50	**554306**	50	**554310**	50
16mm	**---**	-	**554307**	50	**554311**	50
20mm	**---**	-	**554308**	50	**554312**	50
25mm	**---**	-	**---**	-	**554313**	50

A16

METRIC STAINLESS STEEL

METRIC STAINLESS STEEL PAN HEAD SLOTTED MACHINE SCREWS

	DIA. 3mm PITCH .50		DIA. 4mm PITCH .70		DIA. 5mm PITCH .80		DIA. 6mm PITCH 1.00	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
6mm	**554351**	50	**554356**	50	**554361**	50	**---**	-
8mm	**554352**	50	**---**	-	**---**	-	**---**	-
10mm	**554353**	50	**554357**	50	**554362**	50	**554366**	50
12mm	**554354**	50	**554358**	50	**554363**	50	**554367**	50
16mm	**554355**	50	**554359**	50	**554364**	50	**554368**	50
20mm	**---**	-	**554360**	50	**554365**	50	**554369**	50
25mm	**---**	-	**---**	-	**---**	-	**554370**	50
30mm	**---**	-	**---**	-	**---**	-	**554371**	50



- **DIN 85A.**
- **A2 stainless steel (similar to 18-8 stainless).**



Part No. 501672
995 pieces • 21 items • 12017 steel tray

554351 554355 554359 554363 554367 554371
554352 554356 554360 554364 554368
554353 554357 554361 554365 554369
554354 554358 554362 554366 554370

Numbers in assortment

METRIC STAINLESS STEEL PAN HEAD PHILLIPS MACHINE SCREWS

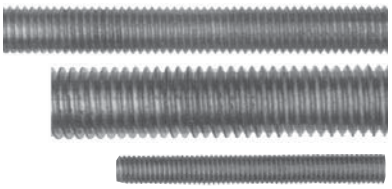
	DIA. 3mm PITCH .50		DIA. 4mm PITCH .70		DIA. 5mm PITCH .80		DIA. 6mm PITCH 1.00	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
6mm	**554375**	50	**554380**	50	**---**	-	**---**	-
8mm	**554376**	50	**554381**	50	**---**	-	**---**	-
10mm	**554377**	50	**554382**	50	**554387**	50	**554392**	50
12mm	**554378**	50	**554383**	50	**554388**	50	**554393**	50
16mm	**554379**	50	**554384**	50	**554389**	50	**554394**	50
20mm	**---**	-	**554385**	50	**554390**	50	**554395**	50
25mm	**---**	-	**554386**	50	**554391**	50	**554396**	50
30mm	**---**	-	**---**	-	**---**	-	**554397**	50

- **DIN 7985.**
- **A2 stainless steel (similar to 18-8 stainless).**



METRIC STAINLESS STEEL THREADED ROD

SIZE	PITCH	PART NUMBER
3mm	.50mm	**554401**
4mm	.70mm	**554402**
5mm	.80mm	**554403**
6mm	1.00mm	**554404**
8mm	1.25mm	**554405**
10mm	1.50mm	**554406**
12mm	1.75mm	**554407**
14mm	2.00mm	**554408**
16mm	2.00mm	**554409**
18mm	2.50mm	**554410**
20mm	2.50mm	**554411**
24mm	3.00mm	**554412**



- **DIN 975 A2.**
- **1 meter lengths (39-3/8").**
- **Coarse thread.**
- **A2 stainless steel (similar to 18-8 stainless).**

Sizes: 3mm to 12mm
Part No. 554400
13 pieces • 7 items

554401 554403 554405 554407
554402 554404 554406

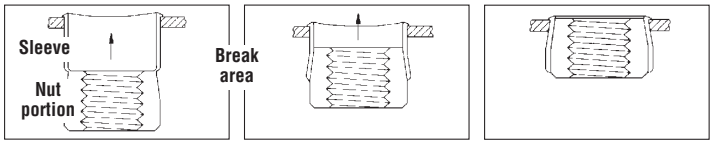
Numbers in assortment

THREADED INSERTS

HEAVY DUTY STEEL CLINCH-NUTS®

- Strong load bearing threads.
- Install in practically any material.
- Use in any thickness material, from .030 to infinity.

Clinch-nut installation



Clinch-Nuts are a one-piece design consisting of a nut portion and a sleeve portion.

A rotating tool mandrel exerts a pull and "breaks" the nut portion from the sleeve drawing it into the sleeve.

The nut portion expands the sleeve exerting a 360° swage fit against the parent material.

STEEL CLINCH-NUT PART NUMBER	QTY	THREAD SIZE	MATERIAL THICKNESS .030-.090 DRILL	.091-.124 DRILL	.125-.186 DRILL	.187-OVER DRILL	HEAVY DUTY ADAPTER PART NUMBER	LIGHT DUTY TOOL ONLY* PART NUMBER
503110	25	6-32	7/32	No.2	No.1	No.1	**503150**	**---**
503111	25	8-32	1/4	"F"	17/64	17/64	**503151**	**503176**
503112	25	(10-24) 3/16	9/32	"L"	"L"	19/64	**503152**	**503177**
503113	25	(10-32) 3/16	9/32	"L"	"L"	19/64	**503153**	**503178**
503114	25	1/4-20	3/8	3/8	"W"	25/64	**503154**	**503179**
503121	25	5/16-18	1/2	1/2	33/64	33/64	**503155**	**503180**

*** Sizes no. 6 & 8 supplied with hex key, sizes 10 thru 5/16 require std. socket wrench.**

HEAVY DUTY INSTALLATION TOOL



- Simple to use.
- Adapters allow installation of any size Clinch-Nuts or Rivet-Nuts.
- Order adapters separately.

Part No. 503115

CLINCH-NUT



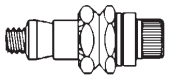
Part No. 503121

LIGHT DUTY INSTALLATION TOOL

- A unique time & money saver.
- Makes quick, quality repairs in the field.
- For the frequent user, use tool Part No. 503115.



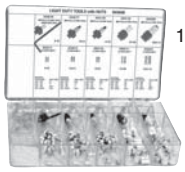
HEAVY DUTY CLINCH-NUT INSTALLATION TOOL ADAPTERS



Pre-assembled hex nose piece assemblies and "Quick Change" tool nose piece holder make installation fast and easy.

STEEL CLINCH-NUT with LIGHT DUTY INSTALLATION TOOLS

- Steel clinch-nut kit and light duty installation tools in an easy to stock, easy to use assortment.



Part No. 503008

106 pieces • 5 nuts • 5 tools • 12039 plastic tray

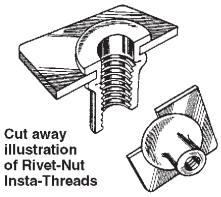
STEEL CLINCH-NUT	LIGHT DUTY TOOL ONLY*
8-32	8-32
3/16 (10-24)	10-24
3/16 (10-32)	10-32
1/4-20	1/4-20
5/16-18	5/16-18

*Size No. 8 supplied with hex key, sizes 10 thru 5/16 require std. socket wrench.

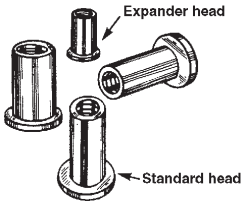
Numbers in assortment

RIVET-NUT BLIND THREADED RIVETS

- Perfect for use in light-gauge materials of metal, plastic and rigid composition. Material previously too thin to tap threads can now be accommodated.
- A Rivet-Nut is a tubular rivet with internal threads. It can be installed from one side in seconds. Once a Rivet-Nut is installed, it is ready to use with clean threads available for screw attachments. Used for materials .010 through .125 in. thickness.
- The Rivet-Nut Insta-Threads are available in standard heads, which are surface mounted and extend slightly above the material in which they are installed. Also available are the expander heads (small flathead), which may be used for flush or 120° countersunk installations or wherever a smaller head may be required.



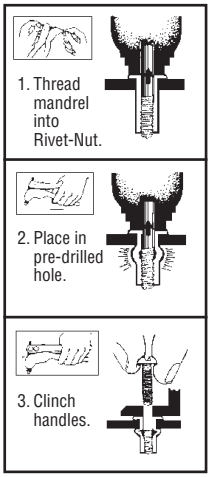
Cut away illustration of Rivet-Nut Insta-Threads



PROPER TOOL SELECTION

- Both Rivet-Nut tool, H.D. Clinch-Nuts and light duty installation tools will install all threaded inserts, Clinch-Nuts or Rivet-Nuts. However, due to the design of each type of threaded insert, we recommend that the Clinch-Nut tool or light duty tool be used for Clinch-Nut installation and that the Rivet-Nut tool be used for Rivet-Nut Insta-Thread installations.

RIVET-NUT TOOL



Part No. 503910

Includes a mandrel and a nosepieces for 8-32, 10-24 and 10-32 inserts.



TOOL WARRANTY NOTE:

Rivet Setting Tool, Stock No. 503910, is not warranted by us. The manufacturer requires that tools be returned to them. Necessary information is packed with every tool.

THREADED INSERTS

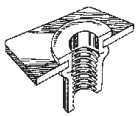
RIVET-NUT BLIND THREADED RIVETS

STANDARD HEAD LARGE FLANGE



EXPANDER SMALL FLANGE



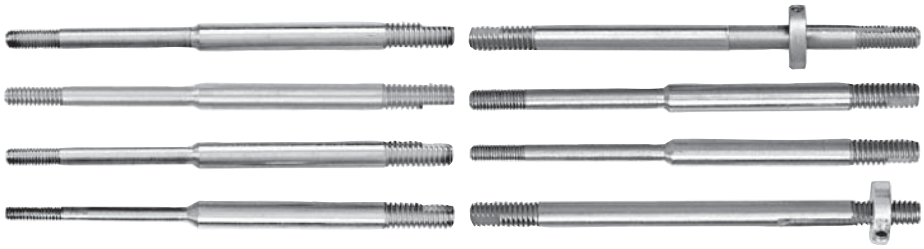


THREAD SIZE (PITCH)	STEEL PART NUMBER	ALUM PART NUMBER	STEEL PART NUMBER	ALUM PART NUMBER	DRILL SIZE	GRIP RANGE	H.D. CLINCH-NUT TOOL	LIGHT DUTY INSTALLATION TOOL ADAPTER
6-32	**503914**	**503930**	**503921**	**503937**	3/16		**503150**	**---**
8-32	**503915**	**503931**	**503922**	**503938**	7/32	.010" min.	**503151**	**503176**
10-24	**503916**	**503932**	**503923**	**503939**	1/4	to	**503152**	**503177**
10-32	**503917**	**503933**	**503924**	**503940**	1/4	.080" max.	**503153**	**503178**
1/4-20	**503918**	**503934**	**503925**	**503941**	11/32		**503154**	**503179**
5/16-18	**---**	**503935**	**---**	**503942**	27/64	.020" min.	**503155**	**503180**
						to		
3/8-16	**---**	**503936**	**---**	**503943**	1/2	.125" max.	**---**	**---**
M3.5-0.6	**---**	**504366***	**---**	**504372***	M4.9(3/16)		**n/a**	**n/a**
M4-0.7	**---**	**504367***	**---**	**504373***	M5.6(7/32)	M.25 min.	**n/a**	**n/a**
M5-0.8	**---**	**504368***	**---**	**504374***	M6.4(1/4)	to	**n/a**	**n/a**
M6-1.0	**---**	**---**	**---**	**504375***	M8.7(11/32)	M2.03 max.	**n/a**	**n/a**
M8-1.25	**---**	**504370***	**---**	**504376***	M10.5(27/64)	M.50 min.	**n/a**	**n/a**
						to		
M10-1.5	**---**	**504371***	**---**	**504377***	M12.5(1/2)	M3.18 max.	**n/a**	**n/a**

***Discontinued when stock is depleted.**

MANDRELS AND NOSEPIECES FOR RIVET NUT TOOL #503910





THREAD SIZE	PART NUMBER	THREAD SIZE	PART NUMBER
6-32	**503980**	1/4-20	**503984***
8-32	**503981**	4mm	**503985**
10-24	**503982**	5mm	**503986**
10-32	**503983**	6mm	**503987***

***Mandrel only, nosepiece not required.**

GRIP-N-SERTS

A blind threaded insert with a large head for applications where large or irregular holes are a problem. Insert works in sheet metal, structural foam, fiberglass and some plastics. The axial knurl is first forced into the parent material and then upset over the backside to engage the knurl into the parent material providing very high resistance to spinning, the "bubble" of material over the backside provides very high pull-out loads.

- **Useable in oversize and irregular holes.**
- **High torque-out values-ribbed flange resists spinning due to cross threading or overtightening.**
- **High pull-out values - very hard to pull through material due to the "bubble" on the backside.**
- **Wide grip range - one length does the job of numerous other inserts.**
- **Blind installation - no access to backside required.**
- **Nearly flush.**
- **Install after surface finish - tool will not mar parent material.**
- **Designed to be used with grade 5 or metric 8.8.**
- **Steel - zinc/yellow dichromate plated.**



— STANDARD —

THREAD SIZE	PART NUMBER	GRIP RANGE	DRILL SIZE (INCHES)	HOLE SIZE	PART DRILL NUMBER
#6-32	**603175**	.020-.080	17/64	(.2656)	**813514**
#8-32	**603176**	.020-.080	17/64	(.2656)	**813514**
#10-24	**603177**	.020-.130	19/64	(.2969)	**813516**
#10-32	**603178**	.020-.130	19/64	(.2969)	**813516**
1/4-20	**603179**	.027-.165	25/64	(.3906)	**813522**
1/4-28	**603180**	.027-.165	25/64	(.3906)	**813522**
5/16-18	**603181**	.027-.150	17/32	(.5312)	**814756**
5/16-24	**603182**	.027-.150	17/32	(.5312)	**814756**
3/8-16	**603183**	.027-.150	17/32	(.5312)	**814756**
3/8-24	**603184**	.027-.150	17/32	(.5312)	**814756**

— METRIC —

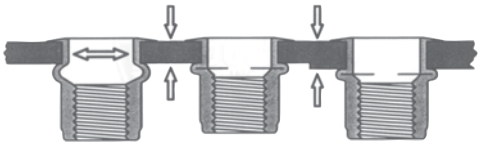
THREAD SIZE	PART NUMBER	GRIP RANGE	DRILL SIZE (INCHES)	HOLE SIZE	PART DRILL NUMBER
M4 x 0.7	**603185**	.50-2.0	6.8	17/64	**813514**
M5 x 0.8	**603186**	.50-3.3	7.6	19/64	**813516**
M6 x 1.0	**603187**	.70-4.2	10.0	25/64	**813522**
M8 x 1.25	**603188**	.70-3.8	13.5	17/32	**814756**
M10 x 1.5	**603189**	.70-3.8	13.5	17/32	**814756**

THREADED INSERTS

GRIP-N-SERT TECHNOLOGY™

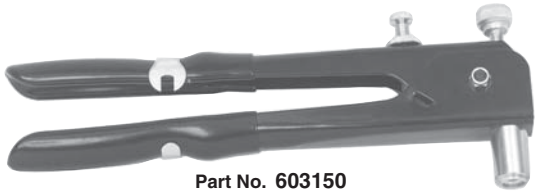
HOW HOLE FILL WORKS FOR YOU

As the Grip-N-Sert is installed, the knurled body expands 360° FILLING THE HOLE. This feature provides exceptional torque strength and vibration resistance.



The installation tool then continues to exert a torque load on the insert forming a backside flange even in multiple or variable thickness materials - WITHOUT ADJUSTMENT.

GRIP-N-SERT TOOL



Part No. **603150**



INSTALLATION:

- **With tool handles in full open position, thread insert fully onto mandrel head side first.**
- **Place into the hole in your parent material.**
- **Squeeze tool handles together until the insert collapses.**
- **Unscrew the mandrel puller knob.**

THREAD SIZE	CONVERSION KIT PART NUMBER
6-32 USS	**603155**
8-32 USS	**603156**
10-24 USS	**603157**
10-32 SAE	**603158**
1/4-20 USS	**603159**
1/4-28 SAE	**603160**
5/16-18 USS	**603161**
5/16-24 SAE	**603162**

THREAD SIZE	CONVERSION KIT PART NUMBER
3/8-16 USS	**603163**
3/8-24 SAE	**603164**
M4 x 0.7	**603165**
M5 x 0.8	**603166**
M6 x 1.0	**603167**
M8 x 1.25	**603168**
M10 x 1.5	**603169**



GRIP-N-SERT W/TOOLS

Part No. 501651

168 pieces • 15 items • 12056 steel tray

GRIP-N-SERTS		CONVERSION KIT		TOOL
6-32	1/4-20	6-32	1/4-20	603150
8-32	5/16-18	8-32	5/16-18	
10-24	3/8-16	10-24	3/8-16	
10-32		10-32		

Numbers in assortment



GRIP-N-SERT W/O TOOLS

Part No. 501652

160 pieces • 7 items • 12056 steel tray

6-32	10-32	3/8-16
8-32	1/4-20	
10-24	5/16-18	

Numbers in assortment

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KEENSERTS®

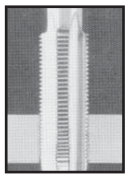
Strong, permanent thread repairs - No special drills, taps or installation tools required.

- **Install using standard drills and taps.**
- **Easy hand installation.**
- **Impossible to cross threads while installing.**
- **No tang to break-off.**
- **Positive mechanical lock against rotation.**
- **May be used in virtually any material: Aluminum, Magnesium, Cast Iron, Steel and Plastic.**
- **Provides high strength & reliability, one length per size provides maximum pullout strength, breaks Grade 8 bolts in test after test.**
- **Easy to remove.**
- **No special skills required. Installation procedures can be learned in minutes.**

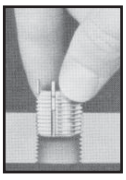
Quick and Easy to install...



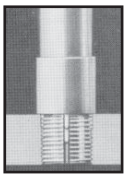
Drill out old threads, using standard drill.



Tap new threads, using standard tap.



Screw in insert until slightly below surface. "Kees" act as depth stop.



* Drive "Kees" down with several light taps.



Finished.

* Use Keensert kee drive or standard tools.



THREADED INSERTS

KEENSERT® THREADED INSERT ASSORTMENTS



MASTER KEENSERTS & KEE DRIVERS

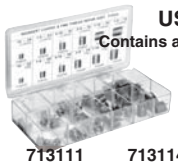
Contains all coarse and fine thread Keenserts and all metric sizes plus one kee driver per inside dia. size

Part No. 713100

107 pieces • 28 items • 12062 steel tray

713111	713115	713119	713131	713135	713174	713164
713112	713116	713120	713132	713136	713175	713165
713113	713117	713121	713133	713171	713161	713166
713114	713118	713122	713134	713172	713162	713167

Numbers in assortment



USS (COARSE) & SAE (FINE)

Contains all sizes of coarse & fine thread Keenserts #10 - 1/2

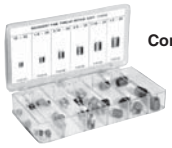
Part No. 713103

52 pieces • 12 items

12043 plastic tray

713111	713114	713117	713120
713112	713115	713118	713121
713113	713116	713119	713122

Numbers in assortment



SHOP USS (COARSE)

Contains all sizes of coarse thread Keenserts #10 - 1/2

Part No. 713101

26 pieces • 6 items

12028 plastic tray

713111	713115	713119
713113	713117	713121

Numbers in assortment



SHOP SAE (FINE)

Contains all sizes of fine thread Keenserts #10 - 1/2

Part No. 713102

26 pieces • 6 items

12028 plastic tray

713112	713116	713120
713114	713118	713122

Numbers in assortment

MASTER KEENSERTS® REFERENCE GUIDE

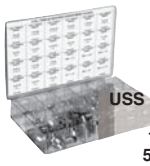
Sometimes when you compare cost alone, you don't realize the entire story. Other factors must be considered. Quality of material, ease of installation, skill required and investment in special tools are all factors which favor keenserts over other inserts and make keenserts your most cost effective repair.

INTERNAL THREAD SIZE	EXTERNAL THREAD SIZE	KEENSERT STOCK NO.	DRILL SIZE & STOCK NO.	INSTALLATION DATA TAP SIZE & STOCK NO.	INSTALLATION DATA KEENSERTS KEE DRIVER	REMOVAL DATA DRILL SIZE & STOCK NO.	REMOVAL DATA DRILL DEPTH
10-24	5/16-18	**713111**	"I"	5/16-18"	**713131**	7/32"	5/32"
10-32		**713112**	**813582**	813815		**813511**	
1/4-20	3/8-16	**713113**	"Q"	3/8-16"	**713132**	9/32"	3/16"
1/4-28		**713114**	**813590**	813816		**813515**	
5/16-18	7/16-14	**713115**	"X"	7/16-14"	**713133**	11/32"	3/16"
5/16-24		**713116**	**813597**	813817		**813519**	
3/8-16	1/2-13	**713117**	29/64"	1/2-13"	**713134**	13/32"	3/16"
3/8-24		**713118**	**813526**	813818		**813523**	
7/16-14	9/16-12	**713119**	33/64"	9/16-12"	**713135**	15/32"	3/16"
7/16-20		**713120**	**814755**	813819		**813527**	
1/2-13	5/8-11	**713121**	37/64"	5/8-11"	**713136**	17/32"	3/16"
1/2-20		**713122**	**814759**	813820		**814756**	
5/8-11	7/8-14	**713123**	53/64"	7/8-14"	**713137**	25/32"	3/16"
5/8-18		**713124**	**814775**			**813613**	
3/4-10	1-1/8-12	**713125**	1-1/16"	1-1/8-28"	**713138**	31/32"	3/16"
3/4-16		**713126**	**814788**			**814784**	
Metric Sizes							
M5 x 0.8	M8 x 1.25	**713161**	"H" **813581**	8 x 1.25	**713171**	7/32" **813511**	5/32"
M6 x 1.0	M10 x 1.25	**713162**	"S" **813592**	10 x 1.25	**713172**	19/64" **813516**	3/16"
M8 x 1.0	M12 x 1.25	**713164**	27/64"	12 x 1.25	**713174**	3/8"	3/16"
M8 x 1.25		**713165**	**813524**			**813521**	
M10 x 1.25	M14 x 1.50	**713166**	1/2"	14 x 1.50	**713175**	29/64"	
M10 x 1.50		**713167**	**813529**			**813526**	

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THREAD REPAIR

COIL-THREAD INSERTS (EXACT INTERCHANGE FOR HELI-COIL)



MASTER COIL-THREAD INSERTS USS (COARSE) & SAE (FINE)

Part No. 813005 • 196 pieces • 24 items • 12045 plastic tray

USS (COARSE)	USS (COARSE)	USS (COARSE)	SAE (FINE)	SAE (FINE)
10-24	1/2-13	M7 x 1.00	10-32	1/2-20
1/4-20	5/8-11	M8 x 1.25	1/4-28	5/8-18
5/16-18	3/4-10	M10 x 1.50	5/16-24	3/4-16
3/8-16	7/8-9	M12 x 1.75	3/8-24	7/8-14
7/16-14	M6 x 1.00		7/16-20	M8 x 1.00

Numbers in assortment

Permanent, wear-resistant, corrosion resistant Stainless Steel inserts.





COIL-THREAD INSERTS USS (COARSE)

Part No. 813006
84 pieces • 11 items
12038 plastic tray

8-32	5/16-18	1/2-13	7/8-9
10-24	3/8-16	5/8-11	1-8
1/4-20	7/16-14	3/4-10	

Numbers in assortment

COIL-THREAD INSERTS SAE (FINE)

Part No. 813007
76 pieces • 10 items
12039 plastic tray

10-32	3/8-24	5/8-18	1-14
1/4-28	7/16-20	3/4-16	
5/16-24	1/2-20	7/18-14	

Numbers in assortment



COIL-THREAD INSERTS METRIC

Part No. 813008
64 pieces • 8 items
12039 plastic tray

M5 x .80	M8 x 1.00	M12 x 1.75
M6 x 1.00	M8 x 1.25	M14 x 2.00
M7 x 1.00	M10 x 1.50	

Numbers in assortment



COIL-THREAD INSERTS USS (COARSE)

Part No. 501644
99 pieces • 11 items
12061 steel tray

8-32	5/16-18	1/2-13	7/8-9
10-24	3/8-16	5/8-11	1-8
1/4-20	7/16-14	3/4-10	

Numbers in assortment



COIL-THREAD INSERTS SAE (FINE)

Part No. 501645
91 pieces • 10 items
12061 steel tray

10-32	3/8-24	5/8-18	1-14
1/4-28	7/16-20	3/4-16	
5/16-24	1/2-20	7/18-14	

Numbers in assortment



COIL-THREAD INSERTS METRIC USS (COARSE)

Part No. 501646
100 pieces • 10 items
12061 steel tray

M5 x .80	M8 x 1.25	M12 x 1.75	M20 x 2.50
M6 x 1.00	M9 x 1.25	M16 x 2.00	
M7 x 1.00	M10 x 1.50	M18 x 2.50	

Numbers in assortment



COIL-THREAD INSERTS METRIC SAE (FINE)

Part No. 501647
95 pieces • 12 items
12061 steel tray

M8 x 1.00	M12 x 1.25	M16 x 1.50	M20 x 1.50
M10 x 1.00	M12 x 1.50	M18 x 2.50	M20 x 2.00
M10 x 1.25	M14 x 1.50	M18 x 2.00	M22 x 1.50

Numbers in assortment

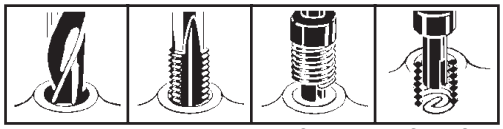
NOTE: Assortments do not include drills, taps or installation tools

SIMPLE INSTALLATION

The first step in creating a new, stronger thread is cleaning up the original, damaged threads. This is done with a standard drill, the size of which is indicated on the coil-thread chart. The hole is then tapped with an oversize tap. The free diameter of the coil-thread insert is larger than the new threaded hole, but it is easily "wound" into place with the inserting tool provided.

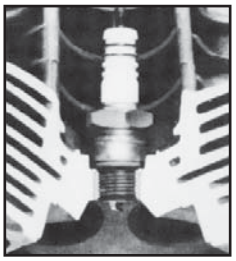
Once in place, the insert tends to spring back to its original diameter, giving it a very strong grip in the hole.

Finally, the driving tang is broken off by tapping downward with the end of the inserting tool. If necessary, inserts can be removed, using one of the extracting tools shown on the next page.

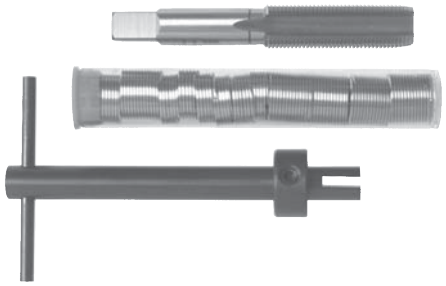


DRILL TAP INSTALL TANG REMOVAL

COIL-THREAD SPARK PLUG INSERT ASSORTMENT



Inserts in this kit are designed for use in the repair or modification of spark plug threads.



- **The original spark plug port thread repair.**
- **Highest quality and most durable repair available.**
- **First choice of professional mechanics and engine rebuilders.**
- **Preferred method of repair by virtually all vehicle manufacturers.**

14mm SPARK PLUG REPAIR KIT

Part No. 713215

Master kit includes complete instructions & tools for installation.

12-14mm-1.25	*Contains:
Stainless Steel Inserts*	6 each 3/8" and 3/4" lengths
1- Pilot Tap	Packed in a heavy duty storage box.
1- Installation tool	

Numbers in assortment

A17

THREAD REPAIR

COIL-THREAD INSERTS AND TOOLS

SIZE	INSTALLATION TOOL	TAP	INSERTS	INSERTS PER PACKAGE	DRILL SIZE
USS/COARSE					
8-32	**813488**	**813400**	**813382**	25	11/64
10-24	**813489**	**813401**	**813320**	25	13/64
1/4-20	**813476**	**813402**	**813321**	25	17/64
5/16-18	**813477**	**813403**	**813322**	25	21/64
3/8-16	**813479**	**813404**	**813323**	25	25/64
7/16-14	**813481**	**813405**	**813324**	10	29/64
1/2-13	**813482**	**813406**	**813325**	10	17/32
5/8-11	**813484**	**813407**	**813326**	3	21/32
3/4-10	**813485**	**813408**	**813327**	3	25/32
7/8-9	**813491**	**813409**	**813328**	3	29/32
1-8	**813487**	**813410**	**813329**	3	1-1/32
SAE/FINE					
10-32	**813490**	**813411**	**813330**	25	13/64
1/4-28	**813477**	**813412**	**813331**	25	17/64
5/16-24	**813478**	**813413**	**813332**	25	21/64
3/8-24	**813480**	**813414**	**813333**	25	25/64
7/16-20	**813482**	**813473**	**813334**	10	29/64
1/2-20	**813483**	**813474**	**813335**	10	33/64
5/8-18	**813484**	**813496**	**813336**	3	41/64
3/4-16	**813486**	**813497**	**813337**	3	49/64
7/8-14	**813491**	**813498**	**813338**	3	57/64
1-14	**813492**	**813420**	**813339**	3	1-1/64

SPARK PLUG INSERTS	
PART NUMBER	SIZE
813415	10 x 1.0 x 1/2
813416	14 x 1.25 x 3/8
813417	14 x 1.25 x 7/16
813418	14 x 1.25 x 1/2
813419	14 x 1.25 x 3/4



SIZE	INSTALLATION TOOL	TAP	INSERTS	INSERTS PER PACKAGE	DRILL SIZE
METRIC/COARSE					
M5 x .80	**813490**	**813421**	**813460**	25	13/64
M6 x 1.00	**813476**	**813422**	**813461**	25	1/4
M7 x 1.00	**813477**	**813423**	**813462**	25	9/32
M8 x 1.25	**813478**	**813424**	**813463**	25	21/64
M9 x 1.25	**813479**	**813425**	**813447**	25	3/8
M10 x 1.50	**813480**	**813426**	**813465**	25	13/32
M11 x 1.50	**813481**	**713202**	**713201***	12	29/64
M12 x 1.75	**813482**	**813427**	**813466**	12	31/64
M14 x 2.00	**813483**	**813428**	**813467**	12	37/64
M16 x 2.00	**813484**	**813429**	**813448**	3	21/32
M18 x 2.50	**813485**	**813430**	**813449**	3	47/64
M20 x 2.50	**813486**	**813431**	**813450**	3	13/16

*** Used on GM steering knuckle/caliper threads.**

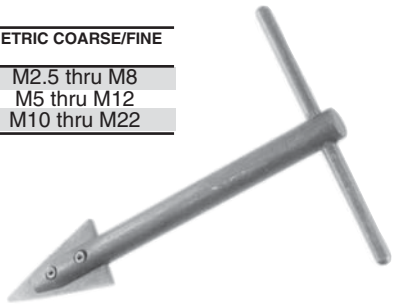
METRIC/FINE					
M8 x 1.00	**813478**	**813432**	**813464**	25	21/64
M9 x 1.00	**813479**	**813433**	**813451**	25	3/8
M10 x 1.00	**813481**	**813434**	**813452**	25	13/32
M10 x 1.25	**813480**	**813435**	**813453**	25	13/32
M11 x 1.00	**813482**	**813436**	**813454**	12	29/64
M11 x 1.25	**813482**	**813437**	**813455**	12	29/64
M12 x 1.25	**813482**	**813438**	**813456**	12	31/64
M12 x 1.50	**813482**	**813439**	**813457**	12	31/64
M14 x 1.50	**813483**	**813440**	**813458**	12	9/16
M16 x 1.50	**813485**	**813441**	**813459**	3	21/32
M18 x 1.50	**813486**	**813442**	**813468†**	3	23/32
M18 x 2.00	**813486**	**813443**	**813469**	3	23/32
M20 x 1.50	**813487**	**813444**	**813470**	3	13/16
M20 x 2.00	**813487**	**813445**	**813471**	3	13/16
M22 x 1.50	**813487**	**813446**	**813472**	3	57/64

† Used to repair oxygen sensor threads.

EXTRACTING TOOL

The simple and time-saving method for removing an insert. Three sizes cover all thread sizes.

PART NUMBER	UNC & UNF	METRIC COARSE/FINE
813493	#3 thru 5/16	M2.5 thru M8
813494	#10 thru 7/16	M5 thru M12
813495	5/16 thru 7/8	M10 thru M22



THE SYMBOL OF SERVICE
SOSMETAL PRODUCTS INC.
AUTOMOTIVE & INDUSTRIAL

HELI-COIL OIL DRAIN PAN REPAIR KITS

Repairs stripped threads in oil pans. Allows original drain plug to be used to give leak-tite seal.

- **Saves the time and cost of replacing oil drain pans in Ford Products (1/2") & Honda/Acura (14mm).**
- **Made by Heli-Coil, the industry leader in thread repair.**
- **Simple 3 step process which can be performed with very little training:**
  1. Drill out the damaged threads using the drill size specified.
  2. Tap. Use the Heli-Coil tap supplied in the kit.
  3. Install. Use the installation tool and inserts supplied in the kit.
  Now you are back to the original size hole and the original size plug can be used.



Kit Contents:
Tap, Installation Tool, Inserts

THREAD SIZE	COMPLETE KIT PART NO.	INSERTS PER KIT
1/2" - 20	**713205**	6
14mm x 1.5	**713210**	6

Replacement Parts:

TAP PART NO.	INSTALLATION TOOL PART NO.	INSERT PACKAGE PART NO.	PKG'D INSERT QTY.	DRILL* SIZE
713206	**713207**	**713208**	6	33/64
713211	**713212**	**713213**	6	9/16

***Drills not included in kits. See section D10 for drills.**

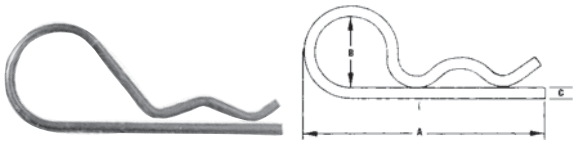
HITCH and COTTER PINS

HITCH PIN (HAIR PIN) COTTERS

Protected by **LUSTERPLATE™** against rust & corrosion

Used to secure clevis pins, headless pins, hitch pins, etc.

- **Heat-treated spring steel.**
- **Insert straight side through holes, bent side provides spring retention.**





Part No. 501627
412 pieces • 30 items
12062 steel tray

51791	51796	51852	51857	51862	51867
51792	51798	51853	51858	51863	51868
51793	51799	51854	51859	51864	51869
51794	51850	51855	51860	51865	51870
51795	51851	51856	51861	51866	51873

Numbers in assortment



Part No. 51790
64 pieces • 6 items
12028 plastic tray

51791	51793	51795
51792	51794	51796

Numbers in assortment

WIRE DIA. "C"	OVERALL LENGTH "A"	PART NUMBER	DRILL HOLE SIZE	MIN. SHAFT DIA.	MAX. SHAFT DIA	INSIDE DIA. OF EYE "B"	QTY
.035	7/16	**51850**	.040	7/64	9/64	.078	50
.042	7/16	**51851**	.047	1/16	1/8	.080	50
.042	1	**51852**	3/64	3/16	1/4	1/4	50
.047	19/32	**51853**	1/16	1/8	3/16	1/8	50
.047	1-9/16	**51854**	1/16	1/4	3/8	5/16	50
.054	3/4	**51855**	1/16	3/16	1/4	1/8	50
.054	7/8	**51856**	1/16	1/4	3/8	9/64	50
.062	1-5/16	**51857**	5/64	1/4	1/2	5/16	25
.062	1-9/16	**51792**	5/64	3/8	1/2	5/16	50
.072	1-3/32	**51858**	5/64	5/16	3/8	9/64	25
.072	1-7/8	**51859**	5/64	3/8	1/2	5/8	25
.080	1-3/16	**51860**	3/32	1/4	3/8	1/4	25
.080	1-9/16	**51791**	3/32	3/8	1/2	5/16	50
.094	1-5/8	**51861**	7/64	1/4	1/2	3/8	25
.094	2-5/16	**51794**	7/64	1/4	5/8	5/8	24
.094	2	**51862**	7/64	3/8	1/2	5/8	25
.094	2-1/2	**51863**	7/64	3/8	3/4	7/16	25
.094	1-1/8	**51864**	7/64	1/4	1/2	1/4	25
.125	1-9/16	**51865**	9/64	1/2	3/4	7/16	25
.125	1-15/16	**51793**	9/64	1/2	3/4	7/16	50
.125	2-9/16	**51866**	9/64	7/16	3/4	9/16	25
.125	2-1/2	**51795**	9/64	5/8	7/8	1/2	24
.125	2-7/8	**51867**	9/64	3/4	1-1/8	9/16	10
.148	3-5/16	**51868**	5/32	3/4	1-1/8	3/4	10
.148	2-15/16	**51869**	5/32	5/8	1	3/4	10
.162	2-3/16	**51870**	3/16	7/8	1-1/16	7/8	10
.177	3-1/2	**51798**	3/16	3/4	1-1/16	1	10
.177	3-1/4	**51799**	3/16	5/8	1	7/8	10
.177	3-3/4	**51796**	3/16	7/8	1-1/4	7/8	24
.243	4	**51871**	17/64	3/4	1	15/16	10
.243	5-1/4	**51872**	17/64	1-1/4	1-1/2	1-3/8	10
.250	3-1/4	**51873**	17/64	3/4	1	3/4	10
.310	3-15/16	**51874**	21/64	7/8	1	7/8	10

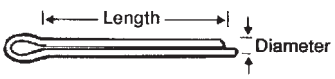
COTTER PINS

Protected by **LUSTERPLATE™** against rust & corrosion

- **Offset ends for easy locking.**
- **Finest high strength steel.**
- **Precision parallel shanks.**

LENGTH	DIA. 1/32 PART NUMBER	QTY	DIA. 3/64 PART NUMBER	QTY	DIA. 1/16 PART NUMBER	QTY	DIA. 3/32 PART NUMBER	QTY	DIA. 7/64 PART NUMBER	QTY	DIA. 1/8 PART NUMBER	QTY	DIA. 5/32 PART NUMBER	QTY
1/2	**51775**	500	**51777**	500	**51706**	500	**51713**	500	**51830**	250	**51722**	500	**---**	-
3/4	**51776**	500	**51778**	500	**51707**	500	**51714**	500	**51831**	250	**51723**	500	**51732**	200
1	**---**	-	**51779**	500	**51708**	500	**51715**	500	**51832**	250	**51724**	500	**51733**	200
1-1/4	**---**	-	**---**	-	**51709**	500	**51716**	500	**51833**	250	**51725**	500	**51734**	200
1-1/2	**---**	-	**---**	-	**51710**	500	**51717**	500	**51834**	250	**51726***	500	**51735**	200
1-3/4	**---**	-	**---**	-	**51711**	500	**51718**	500	**51835**	250	**51727**	500	**51736**	200
2	**---**	-	**---**	-	**51712**	500	**51719**	500	**51836**	250	**51728**	500	**51737**	200
2-1/4	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**51738**	200
2-1/2	**---**	-	**---**	-	**51801**	100	**51721**	500	**51837**	100	**51730**	200	**51739**	200
3	**---**	-	**---**	-	**51802**	100	**51720**	100	**51838**	100	**51731**	200	**51805**	50
3-1/2	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**51806**	50
4	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**51803**	50	**51807**	50

***Most popular vehicle application.**







LENGTH	DIA. 3/16 PART NUMBER	QTY	DIA. 1/4 PART NUMBER	QTY	DIA. 5/16 PART NUMBER	QTY	DIA. 3/8 PART NUMBER	QTY	DIA. 7/16 PART NUMBER	QTY	DIA. 1/2 PART NUMBER	QTY
1	**51740**	200	**51748**	50	**51759**	50	**---**	-	**---**	-	**---**	-
1-1/4	**---**	-	**51749**	50	**51760**	50	**---**	-	**---**	-	**---**	-
1-1/2	**51741**	200	**51750**	50	**51761**	50	**51768**	50	**---**	-	**---**	-
1-3/4	**---**	-	**51751**	50	**51762**	50	**---**	-	**---**	-	**---**	-
2	**51742**	100	**51752**	50	**51763**	50	**51769**	50	**51814**	5	**51820**	5
2-1/4	**51743**	100	**51753**	50	**51764**	50	**---**	-	**---**	-	**---**	-
2-1/2	**51744**	100	**51754**	50	**51765**	50	**51770**	50	**51815**	5	**51821**	5
3	**51745**	100	**51755**	50	**51766**	50	**51771**	50	**51816**	5	**51822**	5
3-1/2	**51746**	50	**51756**	50	**51767**	10	**51772**	50	**---**	-	**51823**	5
4	**51747**	50	**51757**	50	**51810**	10	**51773**	50	**51817**	5	**51824**	5
4-1/2	**---**	-	**51758**	10	**---**	-	**---**	-	**---**	-	**---**	-
5	**---**	-	**51808**	10	**51811**	10	**51774**	5	**51818**	5	**51825**	5
6	**---**	-	**51809**	10	**51812**	5	**51813**	5	**51819**	5	**51826**	5

COTTER PINS

COTTER PIN ASSORTMENTS



SMALL DIAMETER
Part No. 501008L
4265 pieces • 23 items • 12017 steel tray

1/16" x 1/2"	3/32" x 1/2"	1/8" x 1"	5/32" x 1-1/4"
1/16" x 3/4"	3/32" x 3/4"	1/8" x 1-1/4"	5/32" x 1-1/2"
1/16" x 1"	3/32" x 1"	1/8" x 1-1/2"	5/32" x 1-3/4"
1/16" x 1-1/4"	3/32" x 1-1/4"	1/8" x 1-3/4"	5/32" x 2"
1/16" x 1-1/2"	3/32" x 1-1/2"	1/8" x 2"	3/16" x 1-1/2"
1/16" x 2"	3/32" x 2"	5/32" x 1"	

1/2 QUANTITY AVAILABLE ORDER NO. 501008M
Numbers in assortment



LARGE DIAMETER
Part No. 501009L
640 pieces • 11 items • 12061 steel tray

1/8" x 2-1/2"	3/16" x 2"	1/4" x 2-1/2"
1/8" x 3"	3/16" x 2-1/2"	1/4" x 3"
5/32" x 2"	3/16" x 3"	5/16" x 1-3/4"
5/32" x 2-1/2"	1/4" x 2"	

1/2 QUANTITY AVAILABLE ORDER NO. 501009M
Numbers in assortment



Part No. 51701
320 pieces • 6 items • 12028 plastic tray

1/16" x 1"	3/32" x 1-1/2"	1/8" x 1-1/2"
3/32" x 1"	1/8" x 1"	1/8" x 2"

Numbers in assortment



Part No. 51702
942 pieces • 12 items • 12038 plastic tray

1/16" x 1/2"	3/32" x 3/4"	1/8" x 1"	1/8" x 2"
1/16" x 1"	3/32" x 1"	1/8" x 1-1/4"	5/32" x 2"
3/32" x 1/2"	3/32" x 1-1/2"	1/8" x 1-1/2"	3/16" x 2"

Numbers in assortment

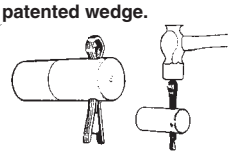
WEDG-LOK COTTER PINS

Ideal for heavy industrial machinery, farm and mining equipment, off-road construction equipment and railroad rolling stock.

SIZE	PART NUMBER	HOLE SIZE	RECOMMENDED SHAFT DIAMETER MIN.	MAX.	QTY
5/16 x 2	**512401**	3/8	3/4	1	25
5/16 x 2-1/2	**512402**	3/8	1	1-1/4	25
5/16 x 3	**512403**	3/8	1-5/16	1-1/2	25
5/16 x 3-1/2	**512404**	3/8	1-5/16	1-1/2	25
3/8 x 2-1/2	**512405**	7/16	1	1-1/4	25
3/8 x 3	**512406**	7/16	1-5/16	1-1/2	25
3/8 x 3-1/2	**512407**	7/16	1-5/16	1-1/2	20

- **Creates a positive lock to meet new safety regulations.**
- **Stops vandalism - completely tamper proof.**
- **Stops wear due to vibration from constant use.**
- **Versatile, permanent and safe.**
- **Pins include patented wedge.**





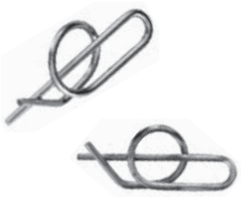
RUE™ RING COTTER PINS

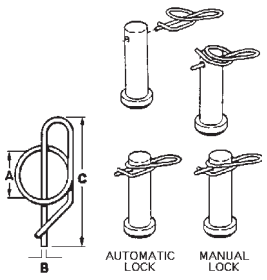
Used for light to medium applications.

Protected by **LUSTERPLATE™** against rust & corrosion

- **Automatic lock - the safest cotter pin available. Surrounds the shaft and locks itself on.**
- **Fast and easy to install or remove - no special tools needed.**
- **Manual secondary lock which tensions Rue Ring tight and dampens vibration.**
- **Manufactured of hard drawn spring wire.**

FITS SHAFT SIZE	A MIN. / MAX.	B WIRE SIZE	C LENGTH	PART NUMBER	QTY
1/4	.257/.267	.041	.844	**512410**	25
5/16	.320/.330	.047	1.044	**512411**	25
3/8	.382/.392	.054	1.214	**512412**	25
1/2	.510/.520	.062	1.420	**512413**	10
5/8	.635/.645	.072	1.690	**512414**	10
3/4	.760/.770	.080	2.081	**512415**	10
7/8	.885/.895	.105	2.506	**512416**	10
1	1.010/1.020	.105	2.756	**512417**	10





COTTER and CLEVIS PINS

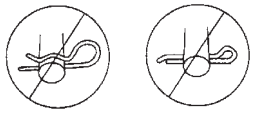
BOW-TIE™ LOCKING COTTERS

Protected by **LUSTERPLATE™** against rust & corrosion

Makes other cotters obsolete in application after application!



- **Vibration proof.**
- **More secure.**
- **No tools needed.**
- **Easy on & off.**
- **Retrofits most cotters.**
- **Made from quality steel.**
- **Locking mechanism works best when Bow-Tie™ fit is loose.**



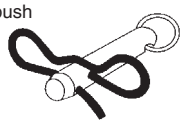
THE ULTIMATE LOCKING COTTER PIN...

- **Works like a hair pin cotter, but locks!**
- **Works in any hole location!**
- **Increases safety, reduces liability!**

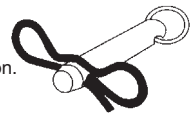
PART NUMBER	QTY	WIRE DIA.	LENGTH	FITS SHAFT SIZES	MINIMUM HOLE DIA.
512441	25	.072	1-3/8	1/4-5/16	3/32
512442	25	.091	1-7/8	5/16-3/8	7/64-1/8
512443	25	.120	2-3/4	7/16-1/2	9/64-5/32

E-Z TO INSTALL

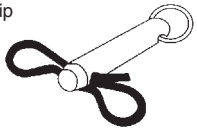
To install, push or pull Bow-Tie™ into hole.



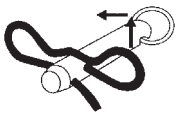
Bow-Tie™ snaps into a zero-tension locked position.



You can even flip the Bow-Tie™ over the end it stays locked.



Pull locking loop up and over to release.



UNIVERSAL CLEVIS PINS

Lawn and garden, scaffolding, construction equipment, automotive, RV, truck and fleet, maintenance, agriculture and mining.

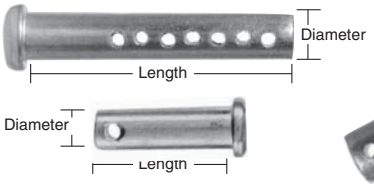
- **Constructed of carbon steel.**
- **Meets SAE specifications.**
- **Natural polished finish.**



Part No. 52101
18 pieces • 3 items
12032 plastic tray

52105 **52106** **52107**

Numbers in assortment





LENGTH	DIA. 1/4 3/32 HOLE SIZE PART NUMBER	QTY	DIA. 5/16 1/8 HOLE SIZE PART NUMBER	QTY	DIA. 3/8 5/32 HOLE SIZE PART NUMBER	QTY	DIA. 7/16 5/32 HOLE SIZE PART NUMBER	QTY	DIA. 1/2 5/32 HOLE SIZE PART NUMBER	QTY	DIA. 5/8 5/32 HOLE SIZE PART NUMBER	QTY	DIA. 3/4 3/16 HOLE SIZE PART NUMBER	QTY
2	**52105**	12	**52106**	12	**52107**	12	**521101**	5	**521103**	5	**---**	-	**---**	-
2-1/2	**---**	-	**---**	-	**---**	-	**52108**	6	**52109**	6	**---**	-	**---**	-
3	**---**	-	**---**	-	**---**	-	**521102**	5	**521104**	5	**52110**	6	**521105**	2

1/4 through 7/16 x 2-1/2 have 5 holes, all others have 7 holes.

SINGLE HOLE CLEVIS PINS

To secure clevis pins use:
Spring roll pins Hitch pin cotters Cotter pins

Lawn and garden, scaffolding, construction equipment, automotive, RV, truck and fleet, maintenance, agriculture and mining.

- **Constructed of carbon steel.**
- **Meets SAE specifications.**
- **Natural polished finish.**





LENGTH	DIA. 1/4 3/32 HOLE SIZE PART NUMBER	QTY	DIA. 5/16 5/32 HOLE SIZE PART NUMBER	QTY	DIA. 3/8 5/32 HOLE SIZE PART NUMBER	QTY	DIA. 7/16 5/32 HOLE SIZE PART NUMBER	QTY	DIA. 1/2 5/32 HOLE SIZE PART NUMBER	QTY	DIA. 5/8 5/32 HOLE SIZE PART NUMBER	QTY	DIA. 3/4 5/32 HOLE SIZE PART NUMBER	QTY
3/4	**521125**	10	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
7/8	**521126**	10	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
31/32	**---**	-	**521128**	10	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
1	**521127**	10	**52113**	12	**521133**	10	**---**	-	**---**	-	**---**	-	**---**	-
1-3/32	**---**	-	**---**	-	**521134**	10	**---**	-	**---**	-	**---**	-	**---**	-
1-1/8	**52112**	12	**521129**	10	**52115**	12	**---**	-	**---**	-	**---**	-	**---**	-
1-1/4	**521154**	10	**521130**	10	**52116**	12	**521136**	5	**521140**	5	**521142**	5	**---**	-
1-3/8	**---**	-	**52114**	12	**521156**	10	**---**	-	**---**	-	**---**	-	**---**	-
1-1/2	**521155**	10	**521131**	10	**521135**	10	**521137**	5	**52118**	6	**521143**	5	**---**	-
1-3/4	**---**	-	**521132**	10	**52117**	12	**521138**	5	**52119**	6	**521144**	5	**---**	-
2	**521149**	10	**521150**	10	**52196**	6	**521139**	5	**521141**	5	**521145**	5	**521146**	5
2-1/4	**---**	-	**521151**	10	**52197**	6	**---**	-	**---**	-	**---**	-	**---**	-
2-1/2	**---**	-	**521152**	10	**52198**	6	**---**	-	**---**	-	**---**	-	**521147**	5
3	**---**	-	**521153**	10	**---**	-	**---**	-	**---**	-	**---**	-	**521148**	5

CLEVIS and SPRING ROLL PINS

SINGLE HOLE CLEVIS PINS and HITCH PIN COTTERS



Part No. 52102
52 pieces • 12 items • 12038 plastic tray

HITCH PIN	SINGLE HOLE	SINGLE HOLE
3/8" to 1/2"	1/4" x 1-1/8"	3/8" x 1-1/4"
1/4" to 5/8"	5/16" x 1"	3/8" x 1-3/4"
1/2" to 3/4"	5/16" x 1-3/8"	1/2" x 1-1/2"
5/8" to 7/8"	3/8" x 1-1/8"	1/2" x 1-3/4"

Numbers in assortment



Part No. 501563
130 pieces • 16 items • 12050 steel tray

HITCH PIN	SINGLE HOLE	SINGLE HOLE
3/8" to 1/2"	1/4" x 1-1/8"	7/16" x 1-1/4"
1/4" to 5/8"	5/16" x 1"	1/2" x 1-1/2"
1/2" to 3/4"	5/16" x 1-3/8"	1/2" x 1-3/4"
5/8" to 7/8"	3/8" x 1-1/8"	5/8" x 1-1/2"
	3/8" x 1-1/4"	5/8" x 2"
	3/8" x 1-3/4"	3/4" x 2"

Numbers in assortment

UNIVERSAL and SINGLE HOLE CLEVIS PINS



Part No. 52103
48 pieces • 12 items • 12038 plastic tray

UNIVERSAL	SINGLE HOLE	SINGLE HOLE
1/4' x 2"	1/8" x 1-1/8"	1/2" x 1-1/2"
5/16" x 2"	5/16"x 1"	1/2" x 1-3/4"
3/8" x 2"	5/16" x 1-3/8"	
7/16" x 2-1/2"	3/8" x 1-1/4"	
1/2" x 2-1/2"	3/8" x 1-3/4"	

Numbers in assortment



Part No. 501598
150 pieces • 15 items • 12017 steel tray

UNIVERSAL	SINGLE HOLE	SINGLE HOLE
1/4' x 2"	1/4" x 7/8"	3/8" x 2"
5/16" x 2"	5/16" x 1"	7/16" x 1-1/4"
3/8" x 2"	5/16" x 1-3/4"	7/16" x 1-3/4"
7/16" x 2"	3/8" x 1-1/8"	1/2" x 1-1/2"
1/2" x 2"	3/8" x 1-1/2"	1/2" x 1-1/4"

Numbers in assortment

SPRING ROLL PINS

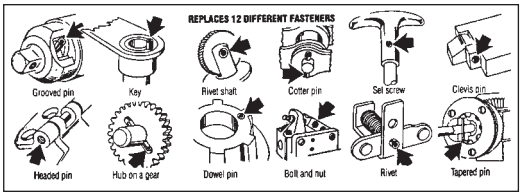
	DIA. 1/16		DIA. 5/64		DIA. 3/32		DIA. 1/8		DIA. 5/32		DIA. 3/16	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
3/16	**53005**	100	---	-	---	-	---	-	---	-	---	-
1/4	**53072**	100	**53008**	100	**53077**	100	---	-	---	-	---	-
5/16	**53006**	100	---	-	---	-	---	-	---	-	---	-
3/8	**53073**	100	**53038**	100	**53078**	100	**53079**	100	---	-	---	-
7/16	---	-	---	-	**53040**	100	---	-	---	-	---	-
1/2	**53037**	100	**53009**	100	**53041**	100	**53047**	100	**53080**	100	**53053**	100
9/16	---	-	---	-	**53042**	100	---	-	---	-	---	-
5/8	**53074**	100	**53039**	100	**53011**	100	**53014**	100	**53036**	100	**53020**	100
3/4	**53007**	100	**53076**	100	**53043**	100	**53048**	100	**53051**	100	**53054**	100
7/8	---	-	---	-	**53044**	100	**53049**	100	**53052**	100	**53055**	100
1	**53075**	100	**53010**	100	**53012**	100	**53035**	100	**53018**	100	**53021**	100
1-1/8	---	-	---	-	**53045**	100	---	-	---	-	---	-
1-1/4	---	-	---	-	**53013**	100	**53016**	100	**53081**	100	**53022**	100
1-3/8	---	-	---	-	---	-	---	-	---	-	---	-
1-1/2	---	-	---	-	**53046**	100	**53050**	100	**53019**	100	**53056**	100
1-3/4	---	-	---	-	---	-	---	-	---	-	**53082**	100
2	---	-	---	-	---	-	---	-	---	-	**53083**	100

	DIA. 7/32		DIA. 1/4		DIA. 5/16		DIA. 3/8		DIA. 7/16		DIA. /2	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/2	---	-	---	-	---	-	---	-	---	-	---	-
5/8	**53023**	100	**53026**	50	---	-	---	-	---	-	---	-
3/4	**53084**	100	**53059**	50	**53029**	50	**53032**	24	---	-	---	-
7/8	---	-	---	-	**53091**	50	---	-	---	-	---	-
1	**53057**	100	**53060**	50	**53062**	50	**53065**	24	**53200**	10	---	-
1-1/4	**53085**	100	**53027**	50	**53092**	50	**53066**	24	**53201**	10	---	-
1-3/8	**53024**	100	---	-	**53063**	50	---	-	---	-	---	-
1-1/2	**53058**	100	**53061**	50	**53030**	50	**53033**	24	**53067**	24	**53069**	24
1-3/4	**53025**	100	**53028**	50	**53093**	50	**53097**	10	**53202**	10	**53230**	10
2	**53086**	100	**53071**	50	**53031**	50	**53034**	24	**53068**	24	**53070**	24
2-1/4	---	-	**53087**	50	**53064**	50	---	-	---	-	---	-
2-1/2	---	-	**53088**	50	**53094**	50	**53098**	10	**53203**	10	**53231**	10
2-3/4	---	-	**53089**	50	**53095**	50	---	-	---	-	---	-
3	---	-	**53090**	50	**53096**	50	**53099**	10	**53229**	10	**53232**	10
3-1/2	---	-	---	-	---	-	---	-	---	-	**53233**	10
4	---	-	---	-	---	-	---	-	---	-	**53234**	10

Replaces grooved pins, cotter pins, set screws, clevis pins, dowels, rivets, tapered pins, gear hubs, headed pins, bolts and nuts.

- **Self locking spring action provides continuous holding power.**
- **High carbon spring steel. Heat treated. Chamfered ends.**







SEE SECTION A16 FOR METRIC ROLL PINS

SPRING ROLL and SPIRAL SPRING PINS

SPRING ROLL PIN ASSORTMENTS



Part No. 501089
570 pieces • 30 items • 12017 steel tray

1/16" x 3/16"	3/32" x 1-1/4"	3/16" x 1"	5/16" x 3/4"
1/16" x 5/16"	1/8" x 5/8"	3/16" x 1-1/4"	5/16" x 1-1/2"
1/16" x 3/4"	1/8" x 1"	7/32" x 5/8"	5/16" x 2"
5/64" x 1/4"	1/8" x 1-1/4"	7/32" x 1-3/8"	3/8" x 3/4"
5/64" x 1/2"	5/32" x 5/8"	7/32" x 1-3/4	3/8" x 1-1/2"
5/64" x 1"	5/32" x 1"	1/4" x 5/8"	3/8" x 2"
3/32" x 5/8"	5/32" x 1-1/2"	1/4" x 1-1/4"	
3/32" x 1"	3/16" x 5/8"	1/4" x 1-3/4"	

Numbers in assortment



Part No. 501090
440 pieces • 24 items • 12017 steel tray

1/16" x 1/2"	1/8" x 1"	3/16" x 1-1/4"	5/16" x 2"
5/64" x 3/8"	1/8" x 1-1/2"	7/32" x 1"	3/8" x 1"
5/64" x 5/8"	5/32" x 5/8"	1/4" x 3/4"	3/8" x 2"
3/32" x 1/2"	5/32" x 7/8"	1/4" x 1-1/4"	7/16" x 1-1/2"
3/32" x 1"	5/32" x 1"	5/16" x 1"	1/2" x 1-1/2"
1/8" x 1/2"	3/16" x 3/4"	5/16" x 1-1/2"	1/2" x 2"

Numbers in assortment



Part No. 53001
251 pieces • 30 items • 12040 plastic tray

1/16" x 3/16"	5/64" x 1/2"	3/32" x 1-1/4"	5/32" x 5/8"	3/16" x 1"	7/32" x 1-3/4	5/16" x 3/4"	3/8" x 1-1/2"
1/16" x 5/16"	5/64" x 1"	1/8" x 5/8"	5/32" x 1"	3/16" x 1-1/4"	1/4" x 5/8"	5/16" x 1-1/2"	3/8" x 2"
1/16" x 3/4"	3/32" x 5/8"	1/8" x 1"	5/32" x 1-1/2"	7/32" x 5/8"	1/4" x 1-1/4"	5/16" x 2"	
5/64" x 1/4"	3/32" x 1"	1/8" x 1-1/4"	3/16" x 5/8"	7/32" x 1-3/8"	1/4" x 1-3/4"	3/8" x 3/4"	

Numbers in assortment

SPIRAL SPRING PINS

Replaces grooved pins, cotter pins, set screw, clevis pins, dowels, rivets, tapered pins, hub on a gear headed pins, bolt and nut.

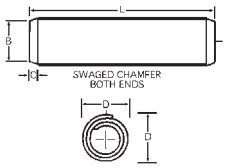
- **Absorbs shock and vibration.**
- **Conforms to out of round hole and accommodates wider hole tolerance.**
- **Swaged chamfers. Uniform length and flexibility.**
- **Equal stress distribution. Controlled radial shock.**
- **Reduces fastener costs.**
- **Heat treated carbon spring steel.**



	DIA. 1/16		DIA. 5/64		DIA. 3/32		DIA. 1/8		DIA. 5/32		DIA. 3/16		DIA. 7/32		DIA. 1/4	
LENGTH	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
5/16	**530100**	100	---	-	---	-	---	-	---	-	---	-	---	-	---	-
3/8	---	-	**530105**	100	**530110**	100	**530120**	100	---	-	---	-	---	-	---	-
7/16	---	-	---	-	**530111**	100	---	-	---	-	---	-	---	-	---	-
1/2	**530101**	100	**530106**	100	**530112**	100	**530121**	100	**530128**	50	**530137**	50	---	-	---	-
9/16	---	-	---	-	**530113**	100	---	-	---	-	---	-	---	-	---	-
5/8	**530102**	100	**530107**	100	**530114**	100	**530122**	100	**530129**	50	---	-	**530148**	50	**530155**	25
3/4	**530103**	100	**530108**	100	**530115**	100	**530123**	50	**530130**	50	**530138**	50	**530149**	25	**530156**	25
7/8	---	-	---	-	**530116**	100	**530124**	50	**530131**	50	**530139**	25	---	-	**530157**	25
1	**530104**	100	**530109**	100	**530117**	100	**530125**	50	**530132**	50	**530140**	25	**530150**	25	**530158**	25
1-1/8	---	-	---	-	**530118**	100	---	-	**530133**	50	**530141**	25	---	-	**530159**	25
1-1/4	---	-	---	-	**530119**	50	**530126**	50	**530134**	50	**530142**	25	**530151**	25	**530160**	25
1-3/8	---	-	---	-	---	-	---	-	---	-	**530143**	25	---	-	---	-
1-1/2	---	-	---	-	---	-	**530127**	50	**530135**	25	**530144**	25	**530152**	25	**530161**	25
1-5/8	---	-	---	-	---	-	---	-	---	-	---	-	---	-	**530162**	25
1-3/4	---	-	---	-	---	-	---	-	---	-	**530145**	25	**530153**	25	**530163**	25
2	---	-	---	-	---	-	---	-	**530136**	25	**530146**	25	**530154**	25	**530164**	10
2-1/4	---	-	---	-	---	-	---	-	---	-	**530147**	25	---	-	**530165**	10
2-1/2	---	-	---	-	---	-	---	-	---	-	---	-	---	-	**530166**	10
3	---	-	---	-	---	-	---	-	---	-	---	-	---	-	**530167**	10

COILED SPRING PIN SPECIFICATIONS

NORMAL SIZE STD. DUTY "D"		DIAMETER NOMINAL MAX.	DIAMETER NOMINAL MIN.	CHAMFER LBS. "B"	CHAMFER LBS. "C"	RECOMMENDED HOLE SIZE MAX.	RECOMMENDED HOLE SIZE MIN.	MATERIAL THICKNESS	NOMINAL DOUBLE SHEAR
1/16	.062	.072	.067	.059	.028	.065	.061	.005	330
5/64	.078	.088	.083	.075	.032	.081	.077	.006	550
3/32	.094	.105	.099	.091	.038	.097	.093	.007	775
1/8	.125	.138	.131	.121	.044	.129	.124	.010	1400
5/32	.156	.171	.163	.152	.048	.160	.155	.012	2200
3/16	.188	.205	.196	.182	.055	.192	.185	.016	3150
7/32	.219	.238	.228	.214	.065	.224	.217	.018	4200
1/4	.250	.271	.260	.243	.065	.256	.247	.021	5500
5/16	.312	.337	.324	.304	.080	.319	.308	.025	8700



	DIA. 5/16	
LENGTH	PART NUMBER	QTY
3/4	**530168**	25
7/8	**530169**	25
1	**530170**	25
1-1/8	---	-
1-1/4	**530171**	25
1-1/2	**530172**	10
1-5/8	---	-
1-3/4	**530173**	10
2	**530174**	10
2-1/4	**530175**	10
2-1/2	**530176**	10
3	**530177**	10



Sizes: 1/16" x 1/2" through 5/16" x 2"
Part No. 501531
560 pieces • 24 items • 12017 steel tray

530101	530109	530121	530131	530142	530160
530103	530112	530125	530132	530150	530170
530105	530115	530127	530138	530152	530172
530107	530117	530129	530140	530156	530174

Numbers in assortment

TAPER and DOWEL PINS

TAPER PINS



Ideal for precision alignment of gears and sprockets to shafts and frequent disassembly of mated parts.

- Precision machined from steel bar stock.
- 1/4" taper per foot.

LENGTH	NO. 2/0 PART NUMBER	DIA. "A"	DIA. "B"	QTY	NO. 0 PART NUMBER	DIA. "A"	DIA. "B"	QTY	NO. 1 PART NUMBER	DIA. "A"	DIA. "B"	QTY	NO. 2 PART NUMBER	DIA. "A"	DIA. "B"	QTY
3/4	**406105**	.141	.125	24	**406107**	.156	.140	24	**406109**	.172	.156	24	**406135**	.193	.177	24
1	**---**	--	--	-	**406103**	.156	.135	24	**406133**	.172	.151	24	**406136**	.193	.172	24
1-1/4	**---**	--	--	-	**---**	--	--	-	**---**	--	--	-	**406111**	.193	.167	24
1-1/2	**406106**	.141	.110	24	**406108**	.156	.125	24	**406110**	.172	.141	24	**406137**	.193	.162	24
2	**---**	--	--	-	**406104**	.156	.114	24	**406134**	.172	.130	24	**406112**	.193	.151	24

LENGTH	NO. 3 PART NUMBER	DIA. "A"	DIA. "B"	QTY	NO. 4 PART NUMBER	DIA. "A"	DIA. "B"	QTY	NO. 5 PART NUMBER	DIA. "A"	DIA. "B"	QTY	NO. 6 PART NUMBER	DIA. "A"	DIA. "B"	QTY
3/4	**406138**	.219	.203	24	**---**	--	--	-	**---**	--	--	-	**---**	--	--	-
1	**406139**	.219	.198	24	**406140**	.250	.229	12	**406142**	.289	.268	12	**406144**	.341	.320	12
1-1/4	**---**	--	--	-	**---**	--	--	-	**---**	--	--	-	**---**	--	--	-
1-1/2	**406113**	.219	.188	24	**406141**	.250	.219	12	**406143**	.289	.258	12	**406145**	.341	.310	12
2	**406114**	.219	.177	24	**406117**	.250	.208	12	**406120**	.289	.247	12	**406123**	.341	.299	12
2-1/2	**406115**	.219	.167	24	**406118**	.250	.198	12	**406121**	.289	.237	12	**406124**	.341	.289	12
3	**406116**	.219	.157	24	**406119**	.250	.188	12	**---**	--	--	-	**406125**	.341	.279	12
3-1/2	**---**	--	--	-	**---**	--	--	-	**406122**	.289	.216	12	**406126**	.341	.268	12

LENGTH	NO. 7 PART NUMBER	DIA. "A"	DIA. "B"	QTY	NO. 8 PART NUMBER	DIA. "A"	DIA. "B"	QTY
3/4	**---**	--	--	-	**---**	--	--	-
1	**406146**	.409	.388	12	**---**	--	--	-
1-1/4	**---**	--	--	-	**---**	--	--	-
1-1/2	**406147**	.409	.378	12	**---**	--	--	-
2	**406127**	.409	.367	12	**406130**	.492	.450	6
2-1/2	**406148**	.409	.357	6	**---**	--	--	-
3	**406128**	.409	.347	6	**406131**	.492	.430	6
3-1/2	**---**	--	--	-	**---**	--	--	-
4	**406129**	.409	.326	6	**406132**	.492	.409	6

Sizes: 2/0 x 3/4" through 3 x 2-1/2"
Part No. 406100 • 76 pieces • 11 items • 12027 plastic tray

406105	**406107**	**406109**	**406111**	**406113**	**406115**
406106	**406108**	**406110**	**406112**	**406114**	

Numbers in assortment

Sizes: 2/0 x 3/4" through 7 x 4"
Part No. 406101 • 94 pieces • 17 items • 12044 plastic tray

406105	**406108**	**406111**	**406114**	**406117**	**406126**
406106	**406109**	**406112**	**406115**	**406119**	**406129**
406107	**406110**	**406113**	**406116**	**406122**	

Numbers in assortment

DOWEL PINS



For fastening and aligning engine parts and fastening timing gears.

- Alloy steel.
- Hardened to Rockwell C 58-62.
- Precision ground .0002" over basic diameter.
- Conforms to ANSI B18.8.2, MS 16555 and MS 16556 specifications.

LENGTH	NOMINAL DIA. 1/8 Double Shear Strength 3600 lbs. PART NUMBER	QTY	NOMINAL DIA. 3/16 Double Shear Strength 8000 lbs. PART NUMBER	QTY	NOMINAL DIA. 1/4 Double Shear Strength 14,400 lbs. PART NUMBER	QTY	NOMINAL DIA. 5/16 Double Shear Strength 22,400 lbs. PART NUMBER	QTY	NOMINAL DIA. 3/8 Double Shear Strength 32,400 PART NUMBER	QTY	NOMINAL DIA. 7/16 Double Shear Strength 44,000 PART NUMBER	QTY	NOMINAL DIA. 1/2 Double Shear Strength 57,400 PART NUMBER	QTY
3/8	**512301**	50	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-
1/2	**512302**	50	**512309**	50	**512317**	25	**512327**	25	**---**	-	**---**	-	**---**	-
5/8	**---**	-	**512310**	50	**512318**	25	**512328**	25	**512338**	25	**---**	-	**---**	-
3/4	**512303**	50	**512311**	50	**512319**	25	**512329**	25	**512339**	25	**---**	-	**512356**	10
1	**512304**	50	**512312**	25	**512320**	25	**512330**	25	**512340**	25	**512348**	10	**512357**	10
1-1/4	**512305**	25	**512313**	25	**512321**	25	**512331**	25	**512341**	10	**512349**	10	**512358**	10
1-1/2	**512306**	25	**512314**	25	**512322**	25	**512332**	25	**512342**	10	**512350**	10	**512359**	10
1-3/4	**512307**	25	**512315**	25	**512323**	25	**512333**	25	**512343**	10	**512351**	10	**512360**	10
2	**512308**	25	**512316**	25	**512324**	25	**512334**	25	**512344**	10	**512352**	10	**512361**	10
2-1/4	**---**	-	**---**	-	**512325**	25	**512335**	25	**512345**	10	**512353**	10	**512362**	10
2-1/2	**---**	-	**---**	-	**512326**	25	**512336**	25	**512346**	10	**512354**	10	**512363**	10
3	**---**	-	**---**	-	**---**	-	**512337**	25	**512347**	10	**512355**	10	**512364**	10
3-1/2	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**512365**	5
4	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**---**	-	**512366**	5



Sizes: 1/8" x 3/8" through 3/8" x 2"
Part No. 501532
368 pieces • 24 items • 12017 steel tray

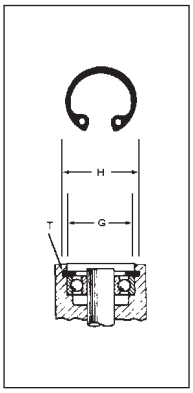
512301	**512305**	**512312**	**512319**	**512324**	**512332**
512302	**512306**	**512314**	**512320**	**512329**	**512340**
512303	**512309**	**512316**	**512321**	**512330**	**512342**
512304	**512311**	**512317**	**512322**	**512331**	**512344**

Numbers in assortment

WARNING:

- Wear safety goggles.
- Check installation specs for proper use.
- Improper use may cause bodily injury and/or property damage.

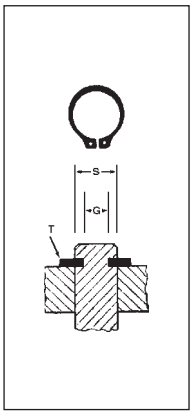
RETAINING RINGS



INTERNAL RETAINING RINGS

PART NUMBER	HOUSING DIA. (H)	GROOVE DIA. (G)	THICKNESS (T)	QTY
52805	3/8	.397	.025	50
52806	7/16	.461	.025	50
52807	1/2	.530	.035	50
52808	9/16	.596	.035	50
52809	5/8	.665	.035	50
52857	11/16	.732	.035	50
52810	3/4	.796	.035	50
52858	13/16	.862	.042	50
52811	7/8	.931	.042	50
52812	15/16	1.000	.042	50
52813	1	1.066	.042	50
52814	1.023	1.091	.042	50
52859	1-1/16	1.130	.050	24
52860	1-1/8	1.197	.050	24

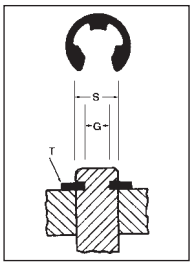
PART NUMBER	HOUSING DIA. (H)	GROOVE DIA. (G)	THICKNESS (T)	QTY
52861	1-1/4	1.330	.050	24
52862	1-5/16	1.396	.050	24
52863	1-3/8	1.461	.050	24
52864	1-7/16	1.528	.050	24
52865	1-1/2	1.594	.050	24
52866	1-9/16	1.658	.062	24
52867	1-5/8	1.725	.062	24
52868	1-3/4	1.858	.062	24
52869	1-7/8	1.989	.062	24
52870	2	2.122	.062	12
52871	2-1/4	2.382	.078	12
52872	2-3/8	2.517	.078	12
52873	2-1/2	2.648	.078	12



EXTERNAL RETAINING RINGS

PART NUMBER	SHAFT DIA. (S)	GROOVE DIA. (G)	THICKNESS (T)	QTY
52875	1/8	.117	.010	50
52876	3/16	.175	.015	50
52826	1/4	.230	.025	50
52827	5/16	.290	.025	50
52828	3/8	.352	.025	50
52829	7/16	.412	.025	50
52830	1/2	.468	.035	50
52877	9/16	.530	.035	50
52831	5/8	.588	.035	50
52832	11/16	.646	.042	50
52833	3/4	.704	.042	50
52834	25/32	.733	.042	50
52878	13/16	.762	.042	50
52835	7/8	.821	.042	50
52879	1	.940	.042	24

PART NUMBER	SHAFT DIA. (S)	GROOVE DIA. (G)	THICKNESS (T)	QTY
52880	1-1/16	.998	.050	24
52881	1-1/8	1.059	.050	24
52882	1-3/16	1.118	.050	24
52883	1-1/4	1.176	.050	24
52884	1-5/16	1.232	.050	24
52885	1-3/8	1.291	.050	24
52886	1-7/16	1.350	.050	24
52887	1-1/2	1.406	.050	24
52888	1-9/16	1.468	.062	24
52889	1-5/8	1.529	.062	24
52890	1-3/4	1.650	.062	24
52891	1-7/8	1.769	.062	24
52892	2	1.886	.062	12
52893	2-1/4	2.120	.078	12
52894	2-1/2	2.360	.078	12



E RINGS

PART NUMBER	SHAFT DIA. (S)	GROOVE DIA. (G)	THICKNESS (T)	QTY
52840	3/32	.074	.015	50
52841	1/8	.095	.015	50
52852	9/64	.105	.025	50
52842	5/32	.116	.025	50
52843	3/16	.147	.025	50
52844	7/32	.188	.025	50
52845	1/4	.210	.025	50
52846	5/16	.250	.025	50

PART NUMBER	SHAFT DIA. (S)	GROOVE DIA. (G)	THICKNESS (T)	QTY
52847	3/8	.303	.035	50
52848	7/16	.343	.035	50
52849	1/2	.396	.042	50
52850	9/16	.437	.042	50
52853	5/8	.485	.042	50
52854	3/4	.580	.050	50
52855	7/8	.675	.050	50
52856	1	.835	.050	50

Part No. 52801** • 364 pieces • 18 items • 12026 plastic tray

INTERNAL HOUSING DIA.			EXTERNAL SHAFT DIA.		
3/8"	9/16"	7/8"	1/4"	7/16"	11/16"
7/16"	5/8"	15/16"	5/16"	1/2"	3/4"
1/2"	3/4"	1"	3/8"	5/8"	7/8"

Numbers in assortment

Part No. 52851 • 680 pieces • 16 items • 12040 plastic tray

"E" RING SHAFT DIA.					
3/32"	5/32"	1/4"	7/16"	5/8"	1"
1/8"	3/16"	5/16"	1/2"	3/4"	
9/64"	7/32"	3/8"	9/16"	7/8"	

Numbers in assortment

Part No. 501075 • 330 pieces • 22 items • 12017 steel tray

INTERNAL HOUSING DIA.						
7/16"	5/8	13/16"	1-1/4"	1-7/16"	1-5/8"	2"
1/2"	11/16"	1-1/16"	1-5/16"	1-1/2"	1-3/4"	
9/16"	3/4"	1-1/8"	1-3/8"	1-9/16"	1-7/8"	

Numbers in assortment

Part No. 501076 • 410 pieces • 24 items • 12017 steel tray

EXTERNAL SHAFT DIA.							
1/8"	5/16"	1/2"	11/16"	1"	1-5/16"	1-1/2"	1-3/4'
3/16"	3/8"	9/16"	3/4"	1-3/16"	1-3/8"	1-9/16"	1-7/8"
1/4"	7/16"	5/8"	7/8"	1-1/4"	1-7/16"	1-5/8"	2"

Numbers in assortment

Part No. 501077 • 364 pieces • 24 items • 12017 steel tray

INTERNAL HOUSING DIA.				EXTERNAL SHAFT DIA.				
7/16"	5/8"	7/8"	1-1/4"	1/4'	7/16"	5/8"	1"	1-7/16"
1/2"	11/16"	15/16"		5/16"	1/2'	11/16"	1-3/16"	1-1/2"
9/16"	3/4"	1"		3/8"	9/16"	3/4"	1-1/4"	

Numbers in assortment

Part No. 501078* • 397 pieces • 20 items • 12056 steel tray

INTERNAL HOUSING DIA.				EXTERNAL SHAFT DIA.			
7/16"	5/8"	7/8"	1-1/4"	1/4"	1/2"	3/4"	1-7/16"
1/2"	11/16"	15/16"		5/16"	9/16"	1"	
9/16"	3/4"	1"		3/8"	5/8"	1-3/16"	

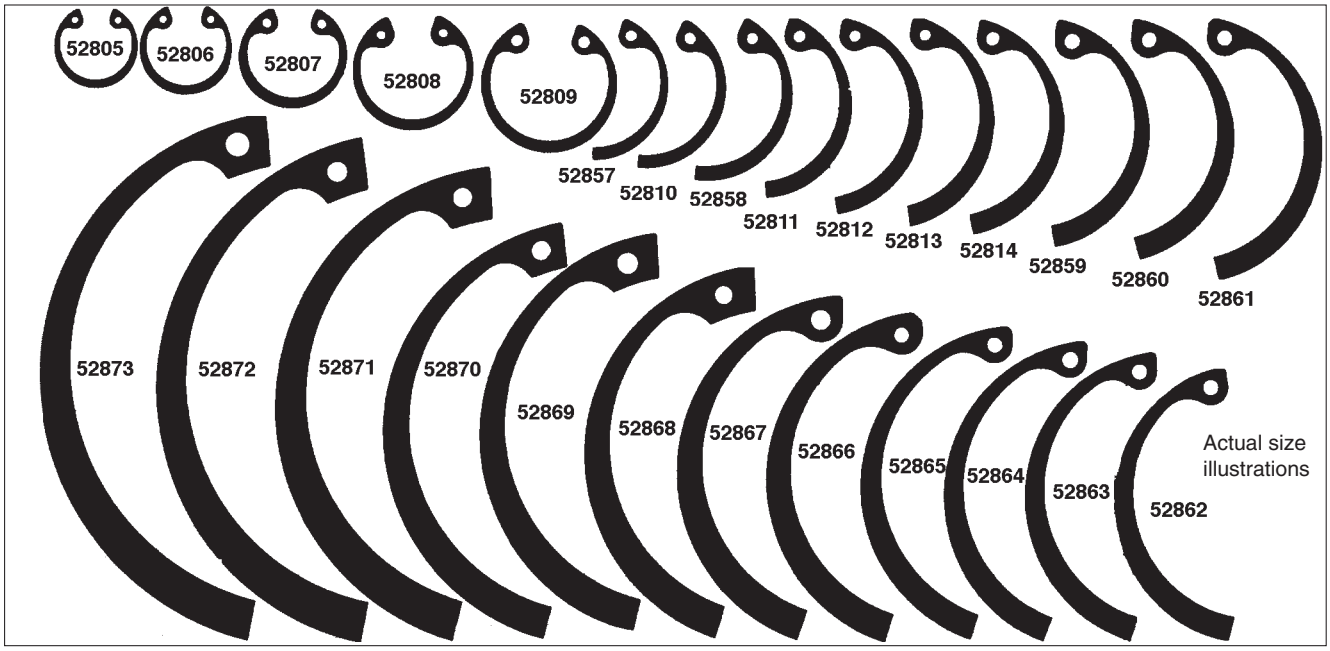
Numbers in assortment

NOTE:
For metric retaining rings, see section A16.

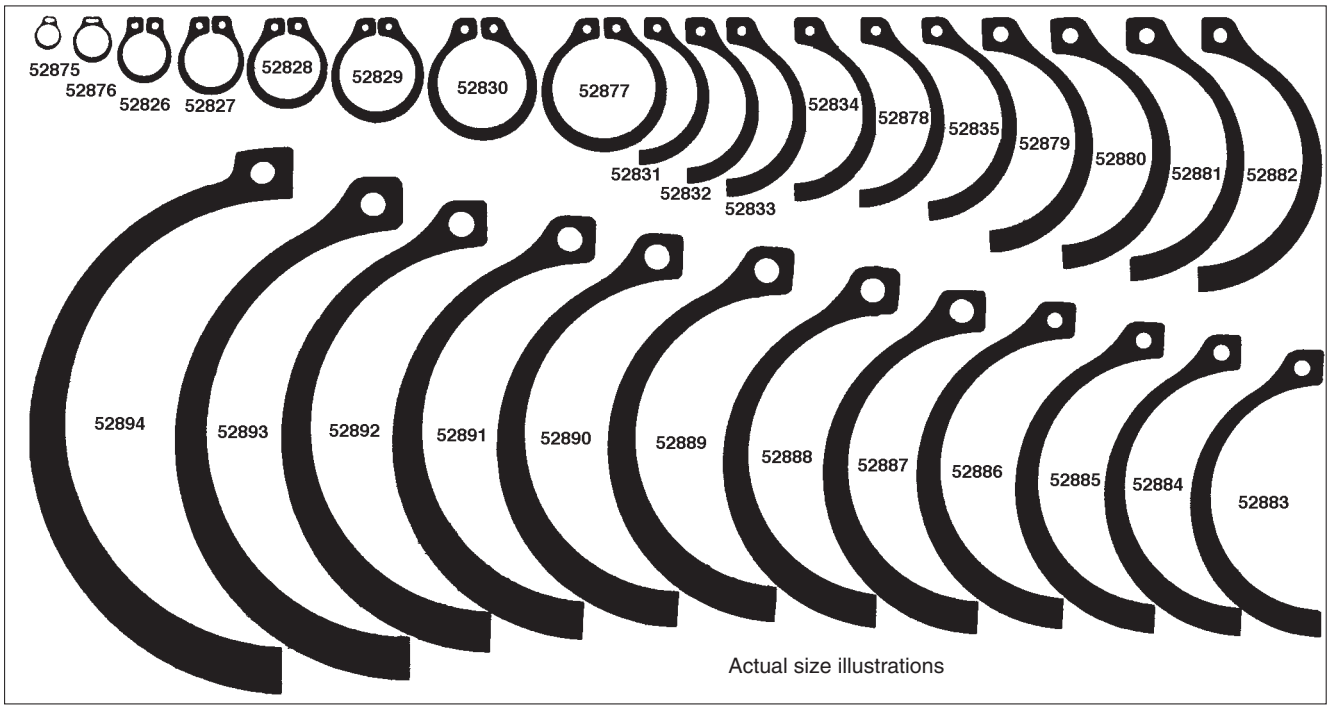
* Supplied with Two (2) tools - One (1) 52802 Int. /Ext. Straight pliers and One (1) 52803 Int./ Ext. 90° pliers.
** Supplied with One (1) tool - One (1) 52802 Int. /Ext. Straight pliers.

RETAINING RINGS

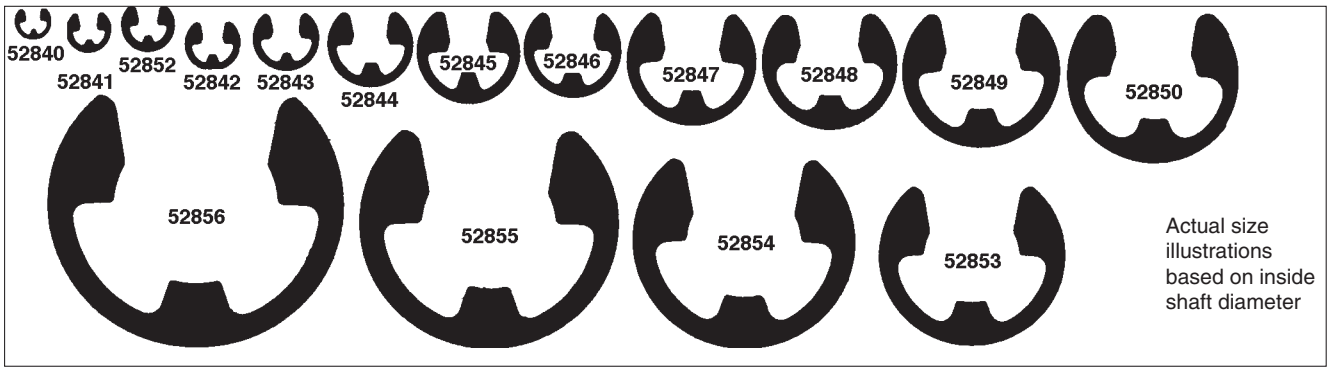
INTERNAL RETAINING RINGS



EXTERNAL RETAINING RINGS



E RINGS



A18

KEYSTOCK and WOODRUFF KEYS

KEYSTOCK

Use to cut and fit your own machinery keys.

- Machine cut corners are sharp and square.
- Finished oversize for snug fit.
- Parallel faces insure perfect fit.
- OUR keystock is engineered to eliminate backlash. Assures more efficient operation and longer life.
- Size marked on every bar.
- Tolerances: Sizes 1/8 to 3/4 +.003 to -.000, 7/8 to 1-1/2 +.004 to -.000
- Handy 12" length.
- High quality cold drawn steel.



SQUARE Sizes: 3/16" through 1/2"
Part No. 506001
32 pieces • 6 items
sturdy, self service display box

506301	506303	506305
506302	506304	506306

Numbers in assortment

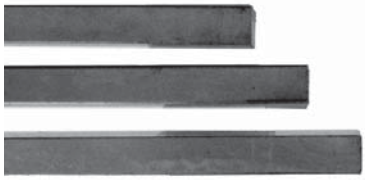


SQUARE Sizes: 3/16" through 1/2"
Part No. 501565
28 pieces • 6 items
12116 steel tray

506301	506303	506305
506302	506304	506306

Numbers in assortment

Protected by **LUSTERPLATE™** against rust & corrosion



Metric keystock available see section A16

Stainless Steel keystock available see section A13

SQUARE

SIZE	PART NUMBER	QTY
1/8x1/8	**506317**	2
3/32x3/32	**506323**	2
3/16x3/16	**506301**	4
1/4x1/4	**506302**	4
5/16x5/16	**506303**	4
3/8x3/8	**506304**	4
7/16x7/16	**506305**	4
1/2x1/2	**506306**	4
5/8x5/8	**506307**	4
3/4x3/4	**506308**	1
7/8x7/8	**506318**	1
1 x 1	**506319**	1
1-1/8x1-1/8	**506320**	1
1-1/4x1-1/4	**506321**	1
1-1/2x1-1/2	**506322**	1

RECTANGULAR

SIZE	PART NUMBER	QTY
1/8x3/8	**506309**	2
3/16x1/4	**506310**	4
1/4x5/16	**506311**	4
1/4x3/8	**506313**	2
1/4x1/2	**506314**	2
5/16x3/8	**506312**	2
3/8x1/2	**506315**	2
1/2x5/8	**506316**	2

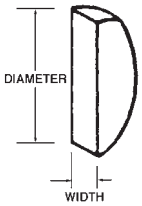
WOODRUFF KEYS

Protected by **BLACK OXIDE FINISH™** against rust & corrosion

For repair on automobiles, trucks, trailers and general use.

- Carbon SAE 1035 alloy steel.
- Burr free edges.
- Secures rotating parts by restricting radial movement.
- Used for holding pulleys and gears on transmission shafts.
- Conforms to SAE J 502 and ANSI B 17.2 specifications.





SIZE WIDTH & DIAMETER	PART NUMBER	SAE NUMBER	USA STANDARD NUMBER	QTY
1/16 x 3/8	**53105**	211	203	50
1/16 x 1/2	**53106**	1	204	50
3/32 x 3/8	**53107**	212	303	50
3/32 x 1/2	**53108**	2	304	50
3/32 x 5/8	**53109**	4	305	50
1/8 x 3/8	**53110**	213	403	50
1/8 x 1/2	**53111**	3	404	50
1/8 x 5/8	**53112**	5	405	50
1/8 x 3/4	**53113**	7	406	50
5/32 x 5/8	**53114**	6	505	50
5/32 x 3/4	**53115**	8	506	50
5/32 x 7/8	**53116**	10	507	50
3/16 x 5/8	**53117**	61	605	50
3/16 x 3/4	**53118**	9	606	50
3/16 x 7/8	**53119**	11	607	50
3/16 x 1	**53133**	13	608	50
3/16 x 1-1/8	**53134**	16	609	50

SIZE WIDTH & DIAMETER	PART NUMBER	SAE NUMBER	USA STANDARD NUMBER	QTY
3/16 x 1-1/4	**53135**	19	610	10
7/32 x 7/8	**53120**	12	707	50
7/32 x 1	**53136**	14	708	50
7/32 x 1-1/8	**53137**	17	709	10
1/4 x 3/4	**53121**	91	806	50
1/4 x 7/8	**53122**	A	807	50
1/4 x 1	**53123**	15	808	50
1/4 x 1-1/8	**53124**	18	809	50
1/4 x 1-1/4	**53125**	21	810	50
1/4 x 1-3/8	**53138**	22	811	10
5/16 x 1	**53126**	B	1008	50
5/16 x 1-1/8	**53127**	C	1009	50
5/16 x 1-1/4	**53128**	D	1010	10
5/16 x 1-3/8	**53129**	23	1011	10
3/8 x 1	**53130**	152	1208	10
3/8 x 1-1/4	**53131**	E	1210	10
3/8 x 1-1/2	**53132**	G	1212	10



Sizes: 1/16" x 3/8" through 5/16" x 1-1/8"
Part No. 501024
276 pieces • 23 items • 12017 steel tray

53105	53109	53113	53117	53121	53125
53106	53110	53114	53118	53122	53126
53107	53111	53115	53119	53123	53127
53108	53112	53116	53120	53124	

Numbers in assortment



Sizes: 1/16" x 3/8' through 1/4" x 7/8"
Part No. 53101
179 pieces • 18 items • 12026 plastic tray

53105	53109	53113	53117	53121
53106	53110	53114	53118	53122
53107	53111	53115	53119	
53108	53112	53116	53120	

Numbers in assortment

A18

SHAFT COLLARS

TWO-PIECE HIGH STRENGTH CLAMP-TYPE COLLAR

Used by maintenance mechanics, engineers, machine builders and designers. For shaft protectors, bearing holders, thrust collars, arbor spacers and sprocket hubs.

I. D. BORE SIZE	PART NUMBER	O. D.	WIDTH	SET SCREW	QTY
1/8	**630350**	13/16	1/4	4-40	2
1/4	**630351**	13/16	1/4	4-40	2
5/16	**630352**	13/16	1/4	4-40	2
3/8	**630353**	1-1/16	5/16	6-32	2
1/2	**630354**	1-1/4	3/8	8-32	2
5/8	**630355**	1-1/2	13/32	10-32	2
3/4	**630356**	1-3/4	1/2	1/4-28	2
7/8	**630357**	1-7/8	1/2	1/4-28	2
1	**630358**	2	1/2	1/4-28	2
1-1/8	**630359**	2-1/8	1/2	1/4-28	2
1-1/4	**630360**	2-1/4	1/2	1/4-28	2
1-3/8	**630361**	2-3/8	1/2	1/4-28	2
1-7/16	**630362**	2-3/8	1/2	1/4-28	2
1-1/2	**630363**	2-1/2	1/2	1/4-28	2
1-5/8	**630364**	3	5/8	5/16-24	1
1-3/4	**630365**	3	5/8	5/16-24	1
1-7/8	**630366**	3-1/4	5/8	5/16-24	1
2	**630367**	3-1/4	5/8	5/16-24	1

- **Easily installed or removed - no need to disassemble machine.**
- **Won't mar expensive shafts.**
- **High strength, precision machined, steel construction.**
- **Unplated black finish.**
- **Made in USA.**



Part No. 501540
19 pieces • 16 items • 12050 steel tray

630350	630353	630356	630359	630363	630367
630351	630354	630357	630360	630364	
630352	630355	630358	630361	630365	

Numbers in assortment

SET SCREW TYPE COLLAR

I. D. BORE SIZE	PART NUMBER	O. D.	WIDTH	SET SCREW	QTY
1/8	**630375**	3/8	1/4	8-32	5
1/4	**630376**	1/2	9/32	10-32	5
5/16	**630377**	5/8	11/32	10-32	5
3/8	**630378**	3/4	3/8	1/4-20	5
7/16	**630379**	7/8	7/16	1/4-20	5
1/2	**630380**	1	7/16	1/4-20	5
9/16	**630381**	1	7/16	1/4-20	5
5/8	**630382**	1-1/8	1/2	5/16-18	5
11/16	**630383**	1-1/4	9/16	5/16-18	5
3/4	**630384**	1-1/4	9/16	5/16-18	5
7/8	**630385**	1-1/2	9/16	5/16-18	5
1	**630386**	1-5/8	5/8	5/16-18	5
1-1/8	**630387**	1-3/4	5/8	5/16-18	2
1-3/16	**630388**	2	11/16	3/8-16	2
1-1/4	**630389**	2	11/16	3/8-16	2
1-3/8	**630390**	2-1/8	3/4	3/8-16	2
1-1/2	**630391**	2-1/4	3/4	3/8-16	2
1-5/8	**630392**	2-1/2	13/16	3/8-16	2
1-3/4	**630393**	2-3/4	7/8	1/2-13	2
1-7/8	**630394**	2-3/4	7/8	1/2-13	2
2	**630395**	3	7/8	1/2-13	2

- **Bore size stamped on collar for easy identification.**
- **Manufactured from high quality steel for durability.**
- **Made in USA.**

Protected by **LUSTERPLATE™** against rust & corrosion



Part No. 501541
30 pieces • 16 items • 12050 steel tray

630375	630380	630385	630389	630392	630395
630376	630382	630386	630390	630393	
630378	630384	630387	630391	630394	

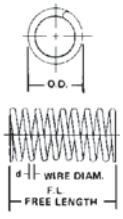
Numbers in assortment

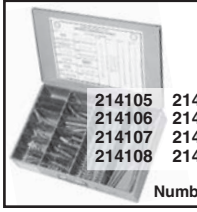
UNIVERSAL COMPRESSION SPRINGS

- **All springs are made from music wire or hard drawn steel and are manufactured to government specifications.**

PART NUMBER	O.D. (INCHES)		FREE LENGTH (FL)	WIRE DIA. (D)	CALCULATED RATE (LBS./IN.)	QTY
214105	1/4	(.250)	9/16	.032	26.40	6
214106	19/64	(.297)	1-1/4	.040	19.74	6
214107	5/16	(.312)	1-5/8	.035	6.35	6
214108	3/8	(.375)	12	.062	6.14	2
214109	7/16	(.438)	2-1/8	.042	6.01	6
214110	31/64	(.484)	1-1/2	.054	17.62	6
214111	1/2	(.500)	1	.067	55.00	6
214112	1/2	(.500)	2-1/2	.062	21.10	6
214113	37/64	(.578)	2-3/8	.030	.56	6
214114	5/8	(.625)	12	.062	2.06	2
214115	5/8	(.625)	2-3/4	.072	17.60	2
214116	11/16	(.687)	4	.105	41.78	2
214117	7/8	(.875)	2-1/32	.122	75.70	2
214118	7/8	(.875)	3	.091	19.51	2
214119	15/16	(.938)	2	.080	17.50	2
214120	15/16	(.938)	10-1/2	.091	6.84	2
214121	1-1/32	(1.031)	2-31/64	.135	110.82	2







Part No. 214101
57 pieces • 17 items
12051 steel tray

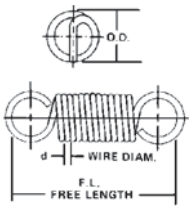
214105	214109	214113	214117	214121
214106	214110	214114	214118	
214107	214111	214115	214119	
214108	214112	214116	214120	

Numbers in assortment

SPRINGS

UNIVERSAL EXTENSION SPRINGS

- **All springs are made from music wire or hard drawn steel and are manufactured to government specifications.**







Part No. 214102
47 pieces • 17 items
12051 steel tray

214125	214129	214133	214137	214141
214126	214130	214134	214138	
214127	214131	214135	214139	
214128	214132	214136	214140	

Numbers in assortment

PART NUMBER	O.D. (INCHES)		FREE LENGTH (FL)	WIRE DIA. (D)	CALCULATED RATE (LBS./IN.)	QTY
214125	15/64	(.234)	1-3/32	.020	.61	6
214126	1/4	(.250)	4	.029	.72	6
214127	1/4	(.250)	6	.028	.40	6
214128	21/64	(.328)	5-7/8	.042	1.40	6
214129	11/32	(.343)	1-1/2	.037	3.36	6
214130	3/8	(.375)	3-1/2	.041	1.50	6
214131	7/16	(.437)	6	.062	4.61	6
214132	1/2	(.500)	1-5/8	.080	66.43	6
214133	1/2	(.500)	4-1/2	.062	4.10	6
214134	1/2	(.500)	9-3/8	.072	3.40	2
214135	9/16	(.562)	5	.072	5.51	4
214136	9/16	(.562)	6	.072	4.49	4
214137	5/8	(.625)	8-1/2	.072	2.14	2
214138	47/64	(.734)	3-7/8	.064	1.79	2
214139	3/4	(.750)	3-3/4	.092	12.15	2
214140	13/16	(.812)	8-1/2	.072	.92	2
214141	1	(1.000)	8-1/2	.120	7.42	2
214142	1/2	(.500)	4	.049	1.4	6

UNIVERSAL SMALL SPRINGS

Both compression and extension springs have hundreds of automotive and industrial uses.

- **Plated to prevent rust.**
- **Will take care of 90% of your small spring needs.**



Part No. 52901
200 pieces • 20 items
12027 plastic tray

52905	52909	52913	52917	52921
52906	52910	52914	52918	52922
52907	52911	52915	52919	52923
52908	52912	52916	52920	52924

Numbers in assortment

— COMPRESSION —



PART NUMBER	TYPE	O.D.	FREE LENGTH	QTY
52905	Comp.	9/32	1/2	25
52906	Comp.	1/4	13/32	25
52907	Comp.	7/32	11/16	25
52908	Comp.	3/8	5/8	25
52909	Comp.	3/8	3/4	25
52910	Comp.	7/32	1-1/2	25
52911	Comp.	23/64	1-3/8	25
52912	Ext.	13/64	13/16	25
52913	Ext.	1/4	7/8	25
52914	Ext.	7/32	1	25

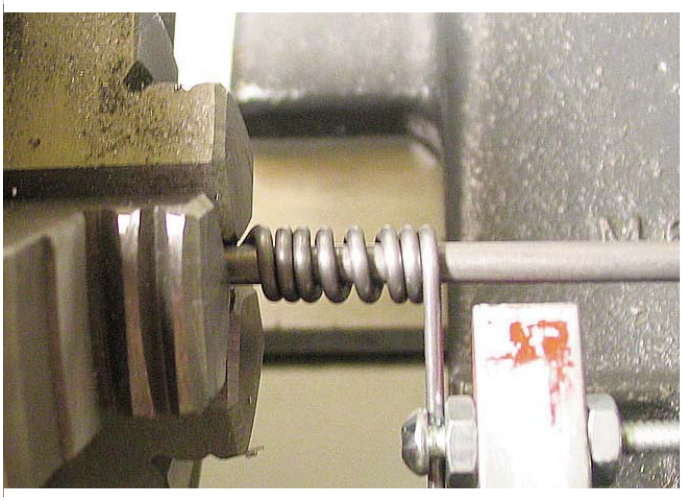
— EXTENSION —



PART NUMBER	TYPE	O.D.	FREE LENGTH	QTY
52915	Ext.	3/16	1-3/4	25
52916	Ext.	5/16	1-1/8	25
52917	Ext.	5/16	1-1/4	25
52918	Comp.	9/32	3/4	25
52919	Ext.	9/32	1-1/2	25
52920	Ext.	11/32	1-7/16	25
52921	Ext.	.350	1-27/32	25
52922	Ext.	9/32	2-3/16	25
52923	Ext.	5/16	1-3/4	25
52924	Ext.	5/32	3-1/8	25

A SECTION FASTENERS & HARDWARE



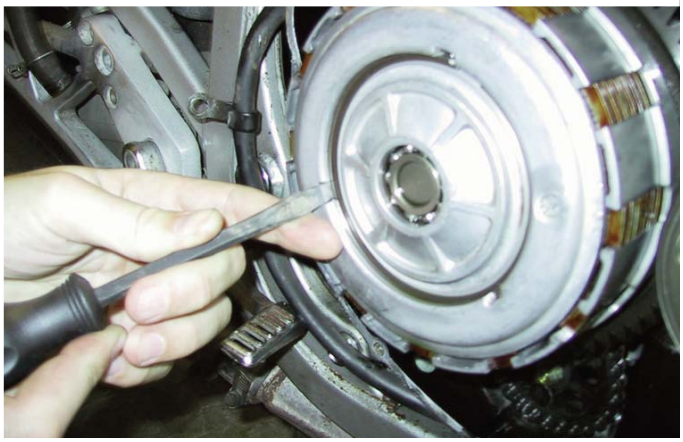








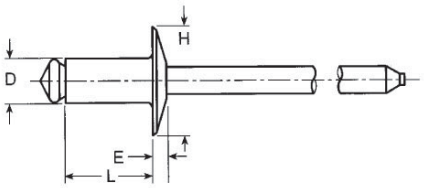


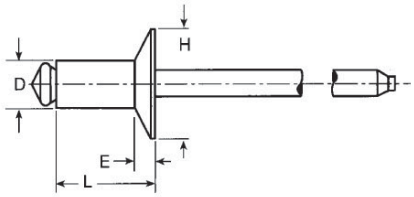


A18-11 PIX **PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.**

Pop® RIVETS

OPEN END BLIND RIVETS







ALUMINUM RIVET / STEEL MANDREL

Part No.	'D' Body Diam	Hole Size & Drill No.	Grip Range Inches	'L' Length	'H' Head Diam.	'E' Head Height	Shear Strength (lb)	Tensile Strength (lb)
AD32BS	.094 (3/32)	.097-.100 #41	.031-.125	.240	.188	.032	125	175
AD34BS			.126-.250	.365	.188	.032		
AD41BS	.125 (1/8)	.129-1.33 #30	.031-.060	.203	.250	.040	210	325
AD42BS			.063-.125	.265	.250	.040		
AD43BS			.126-.187	.328	.250	.040		
AD44BS			.187-.250	.390	.250	.040		
AD45BS			.251-.312	.453	.250	.040		
AD46BS			.313-.375	.515	.250	.040		
AD48BS			.376-.500	.640	.250	.040		
AD410BS			.501-.625	.765	.250	.040		
AD42BSLF			.031-.125	.265	.375	.045		
AD43BSLF			.126-.187	.328	.375	.045		
AD44BSLF			.188-.250	.390	.375	.045		
AK42BS			.063-.125	.265	.220	.035		
AK43BS			.126-.187	.328	.220	.035		
AK44BS			.188-.250	.390	.220	.035		
AK45BS			.251-.312	.453	.220	.035		
AD52BS	.156 (5/32)	.160-.164 #20	.063-.125	.290	.312	.047	340	490
AD53BS			.126-.187	.353	.312	.047		
AD54BS			.188-.250	.415	.312	.047		
AD56BS			.251-.375	.540	.312	.047		
AD58BS			.376-.500	.665	.312	.047		
AD54BSLF			.126-.250	.415	.468	.056		
AK54BS			.188-.250	.415	.281	.045		
AK56BS			.251-.375	.540	.281	.045		
AD62BS	.187 (3/16)	.192-.196 #11	.063-.125	.315	.375	.055	445	720
AD64BS			.126-.250	.440	.375	.055		
AD66BS			.251-.375	.565	.375	.055		
AD68BS			.376-.500	.690	.375	.055		
AD610BS			.501-.625	.815	.375	.055		
AD612BS			.626.750	.940	.375	.055		
AD614BS			.751-.875	1.065	.375	.055		
AD616BS			.876-1.000	1.190	.375	.055		
AD64BSLF			.126-.250	.440	.625	.083		
AD66BSLF			.251-.375	.565	.625	.083		
AD68BSLF			.376-.500	.690	.625	.083		
AD610BSLF			.501-.625	.815	.625	.083		
AD612BSLF			.626-.750	.940	.625	.093		
AD616BSLF			.751-1.000	1.190	.625	.093		
AK64BS			.126-.250	.440	.348	.055		
AD84BS	.250 (1/4)	.257-.261 #F	.063-.250	.490	.500	.073	890	1200
AD86BS			.251-.375	.615	.500	.073		
AD88BS			.376-.500	.740	.500	.073		
AD810BS			.501-.625	.865	.500	.073		
AD812BS			.626-.750	.990	.500	.073		
AD816BS			.751-1.000	1.240	.500	.073		

RIVETS

Pop® RIVETS

OPEN END BLIND RIVETS (cont.)
ALUMINUM RIVET/ ALUMINUM MANDREL

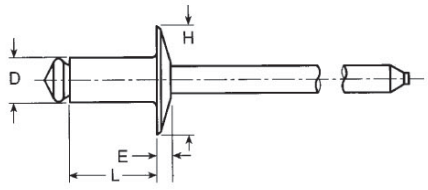
Part No.	'D' Body Diam	Hole Size & Drill No.	Grip Range Inches	'L' Length	'H' Head Diam.	'E' Head Height	Shear Strength (lb)	Tensile Strength (lb)
AD32ABS	.094 (3/32)	.097-.100 #41	.031-.125	.240	.188	.032	85	135
AD34ABS			.126-.250	.365	.188	.032		
AD36ABS			.251-.375	.490	.188	.032		
AD41ABS	.125 (1/8)	.129-1.33 #30	.031-.062	.203	.250	.040	155	235
AD42ABS			.063-.125	.265	.250	.040		
AD43ABS			.126-.187	.328	.250	.040		
AD44ABS			.187-.250	.390	.250	.040		
AD45ABS			.251-.312	.453	.250	.040		
AD46ABS			.313-.375	.515	.250	.040		
AD48ABS			.376-.500	.640	.250	.040		
AD410ABS			.501-.625	.765	.250	.040		
AD42ABSLF			.031-.125	.265	.375	.045		
AD44ABSLF			.188-.250	.390	.375	.045		
AK42ABS			.063-.125	.265	.220	.035		
AD52ABS	.156 (5/32)	.160-.164 #20	.063-.125	.290	.312	.047	225	350
AD53ABS			.126-.187	.353	.312	.047		
AD54ABS			.188-.250	.415	.312	.047		
AD56ABS			.251-.375	.540	.312	.047		
AD58ABS			.376-.500	.665	.312	.047		
AD54ABSLF			.126-.250	.415	.468	.056		
AD62ABS	.187 (3/16)	.192-.196 #11	.063-.125	.315	.375	.055	315	500
AD64ABS			.126-.250	.440	.375	.055		
AD66ABS			.251-.375	.565	.375	.055		
AD68ABS			.376-.500	.690	.375	.055		
AD610ABS			.501-.625	.815	.375	.055		
AD612ABS			.626-.750	.940	.375	.055		
AD616ABS			.876-1.000	1.190	.375	.055		
AD64ABSLF			.126-.250	.440	.625	.083		
AD66ABSLF			.251-.375	.565	.625	.083		
AD68ABSLF			.376-.500	.690	.625	.083		
AD610ABSLF			.501-.625	.815	.625	.083		
AD612ABSLF			.626-.750	.940	.625	.093		
AD84ABS	.250 (1/4)		.063-.250	.490	.500	.073	600	750
AD86ABS			.251-.375	.615	.500	.073		
AD812ABS			.626-.750	.990	.500	.073		

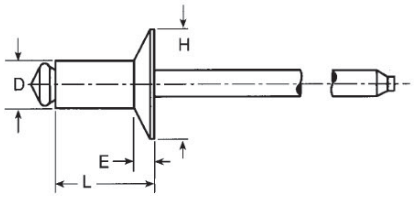
STEEL RIVET / STEEL MANDREL

Part No.	'D' Body Diam	Hole Size & Drill No.	Grip Range Inches	'L' Length	'H' Head Diam.	'E' Head Height	Shear Strength (lb)	Tensile Strength (lb)
SD32BS	.094 (3/32)	.097-.100 #41	.031-.125	.240	.188	.032	150	205
SD34BS			.126-.250	.365	.188	.032		
SD41BS	.125 (1/8)	.129-1.33 #30	.031-.062	.203	.250	.040	295	425
SD42BS			.063-.125	.265	.250	.040		
SD43BS			.126-.187	.328	.250	.040		
SD44BS			.187-.250	.390	.250	.040		
SD45BS			.251-.312	.453	.250	.040		
SD46BS			.313-.375	.515	.250	.040		
SD48BS			.376-.500	.640	.250	.040		
SD42BSLF			.031-.125	.265	.375	.045		
SD44BSLF			.188-.250	.390	.375	.045		
SK42BS			.063-.125	.265	.220	.035		
SK44BS			.126-.250	.390	.220	.035		

Pop® RIVETS

OPEN END BLIND RIVETS (cont.)







STEEL RIVET / STEEL MANDREL

Part No.	'D' Body Diam	Hole Size & Drill No.	Grip Range Inches	'L' Length	'H' Head Diam.	'E' Head Height	Shear Strength (lb)	Tensile Strength (lb)
SD52BS			.063-.125	.290	.312	.047		
SD53BS			.126-.187	.353	.312	.047		
SD54BS	.156	.160-.164 #20	.187-.250	.415	.312	.047	410	570
SD56BS	(5/32)		.251-.375	.540	.312	.047		
SD54BSLF			.126-.250	.415	.468	.056		
SD62BS			.063-.125	.315	.375	.055		
SD64BS			.126-.250	.440	.375	.055		
SD66BS			.251-.375	.565	.375	.055		
SD68BS			.376-.500	.690	.375	.055		
SD610BS			.501-.625	.815	.375	.055	590	815
SD612BS	.187	.129-.196 #11	.626-.750	.940	.375	.055		
SD616BS	(3/16)		.876-1.000	1.190	.375	.055		
SD64BSLF			.126-.250	.440	.625	.083		
SD66BSLF			.251-.375	.565	.625	.083		
SD68BSLF			.376-.500	.690	.625	.083		
SD610BSLF			.501-.625	.815	.625	.083		
SD612BSLF			.626-.750	.940	.625	.093		
SD84BS			.063-.250	.490	.500	.073		
SD86BS			.251-.375	.615	.500	.073		
SD88BS	.250	.257-.261 #F	.376-.500	.740	.500	.073	1245	1505
SD810BS	(1/4)		.501-.625	.865	.500	.073		
SD812BS			.626-.750	.990	.500	.073		
SD816BS			.751-1.000	1.240	.500	.073		

STAINLESS STEEL RIVET / STAINLESS STEEL MANDREL*

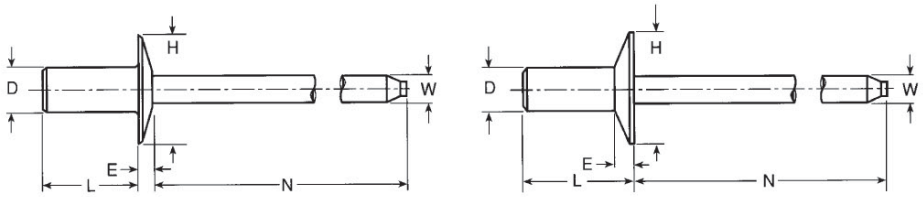
Part No.	'D' Body Diam	Hole Size & Drill No.	Grip Range Inches	'L' Length	'H' Head Diam.	'E' Head Height	Shear Strength (lb)	Tensile Strength (lb)
SSD42SSBS			.063-.125	.265	.250	.040		
SSD43SSBS			.126-.187	.328	.250	.040		
SSD44SSBS			.187-.250	.390	.250	.040		
SSD46SSBS	.125	.129-1.33 #30	.313-.375	.515	.250	.040	550	700
SSD48SSBS	(1/8)		.376-.500	.640	.250	.040		
SSD42SSBSLF			.031-.125	.265	.375	.045		
SSD43SSBSLF			.126-.187	.328	.375	.045		
SSD44SSBSLF			.188-.250	.390	.375	.045		
SSD52SSBS			.063-.125	.290	.312	.047		
SSD54SSBS	.156	.160-.164 #20	.126-.250	.415	.312	.047	900	1300
SSD56SSBS	(5/32)		.251-.375	.540	.312	.047		
SSD62SSBS			.063-.125	.315	.375	.055		
SSD64SSBS	.187	.192-1.96 #11	.126-.250	.440	.375	.055	1000	1375
SSD66SSBS	(3/16)		.251-.375	.565	.375	.055		
SSD68SSBS			.376-.500	.690	.375	.055		

*Also available with Stainless Steel Rivet/Carbon Steel Mandrel

RIVETS

Pop® RIVETS

CLOSED END SEALING BLIND RIVETS





ALUMINUM RIVET/ STEEL MANDREL

Part No.	'D' Body Diam	Hole Size & Drill No.	Grip Range Inches	'L' Length	'H' Head Diam.	'E' Head Height	Shear Strength (lb)	Tensile Strength (lb)
AD41H			.032-.062	.252	.236	.051		
AD42H			.063-.125	.316	.236	.051		
AD43H			.126-.187	.377	.236	.051		
AD44H			.188-.250	.440	.236	.051		
AD45H			.251-.312	.502	.236	.051		
AD46H			.313-.375	.565	.236	.051		
AD48H	.125	.129-1.33 #30	.376-.500	.690	.236	.051	305	385
AK41H	(1/8)		.031-.062	.297	.233	.050		
AK42H			.063-.125	.361	.233	.050		
AK43H			.126-.187	.422	.233	.050		
AK44H			.188-.250	.486	.233	.050		
AK45H			.251-.312	.548	.233	.050		
AD52H			.063-.125	.330	.312	.066		
AD53H	.156	.160-.164 #20	.126-.187	.392	.312	.066	430	605
AD55H	(5/32)		.188-.312	.517	.312	.066		
AK53H			.126-.187	.452	.312	.066		
AD62H			.063-.125	.315	.375	.055		
AD64H			.126-.250	.440	.375	.055		
AD66H	.187	.192-.196 #11	.251-.375	.565	.375	.055	575	840
AD68H	(3/16)		.376-.500	.690	.375	.055		
AK64H			.126-.250	.540	.375	.075		
AK66H			.251-.375	.665	.375	.075		
AD84H	.250	.257-.261 #F	.063-.250	.490	.500	.073	900	110
AD86H	(1/4)		.251-.375	.615	.500	.073		

ALUMINUM RIVET/ ALUMINUM MANDREL

Part No.	'D' Body Diam	Hole Size & Drill No.	Grip Range Inches	'L' Length	'H' Head Diam.	'E' Head Height	Shear Strength (lb)	Tensile Strength (lb)
AD42AH	.125	.129-1.33 #30	.063-.125	.316	.236	.051	105	150
AD43AH	(1/8)		.126-.187	.377	.236	.051		
AD44AH			.188-.250	.440	.236	.051		
AD54AH	.156(5/32)	.160-.164 #20	.063-.250	.445	.312	.066	155	240
AD62AH			.063-.125	.345	.375	.081		
AD64AH	.187	.192-.196 #11	.063-.125	.470	.375	.081	220	310
AD66AH	(3/16)		.251-.375	.595	.375	.081		
AD68AH			.376-.500	.720	.375	.081		

Pop® RIVETS

CLOSED END SEALING BLIND RIVETS (cont.)

ALUMINUM RIVET/ STAINLESS STEEL MANDREL

Part No.	'D' Body Diam	Hole Size & Drill No.	Grip Range Inches	'L' Length	'H' Head Diam.	'E' Head Height	Shear Strength (lb)	Tensile Strength (lb)
AD64SSH	.187 (3/16)	.092-.196 #11	.126-.250	.470	.375	.081	220	130
AD66SSH			.251-.375	.595	.375	.081		

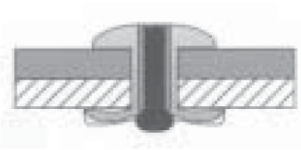
Pop® T-RIVETS

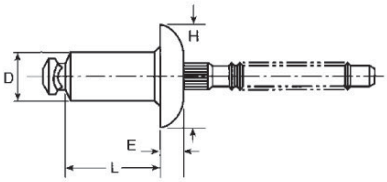
STRUCTURAL TRIFURCATING RIVETS

Product Features & Benefits

1. High shear and tensile strength is provided by the hardened steel mandrel.
2. High clamp up–T-rivets will draw sheets firmly together even when separated by as much as 3/16".
3. Mechanically locked mandrel–will withstand severe vibration without loss of the mandrel's plug section.

ALUMINUM RIVET/ HARDENED STEEL MANDREL



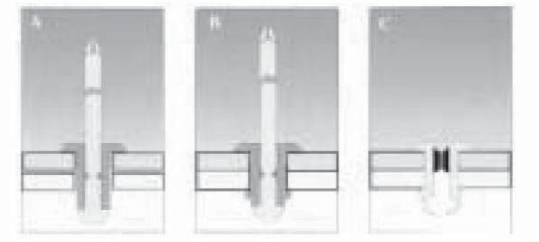




Part No.	'D' Body Diam	Hole Size & Drill No.	Grip Range Inches	'L' Length	'H' Head Diam.	'E' Head Height	Shear Strength (lb)	Tensile Strength (lb)
AD6140TFBS	.187 (3/16)	.192-.196 #11	.032-.140	.447	.390	.103	600	600
AD6187TFBS			.141-.187	.510	.390	.103		
AD6250TFBS			.188-.250	.572	.390	.103		
AD6312TFBS			.251-.312	.635	.390	.103		
AD6375TFBS			.313-.375	.697	.390	.103		
AD6437TFBS			.376-.437	.760	.390	.103		
AD6519TFBS			.438-.519	.822	.390	.103		
AD8140TFBS	.250 (1/4)	.257-.261 #F	.032-.140	.500	.510	.126	1100	1100
AD8187TFBS			.141-.187	.552	.510	.126		
AD8250TFBS			.188-.250	.615	.510	.126		
AD8312TFBS			.251-.312	.677	.510	.126		
AD8375TFBS			.313-.375	.740	.510	.126		
AD8437TFBS			.376-.437	.802	.510	.126		
AD8519TFBS			.438-.519	.865	.510	.126		
AD8620TFBS			.520-.620	.937	.510	.126		

RIVETS

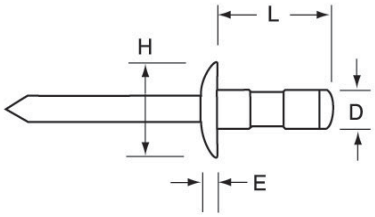
MULTI-GRIP RIVETS



Product Features & Benefits

1. Positively retained stem ensures weather resistance.
2. Complete hole fill assures vibration proof assembly – even oversized or misaligned holes.
3. One multi-grip length can do the work of four sizes of conventional rivets.
4. Consistently smooth, rounded tail eliminates hazardous sharp edges.
5. Superior pullup eliminates sheet gap.





ALUMINUM with PLATED STEEL MANDREL

Part No.	Rivet Dia. Nom.	'D' Diameter	Grip Range	'L' Length	'H' Head Dia.	'E' Head Height	Drill Size	Shear	Tensile	Box Qty
1691-0410	Lo-profile	1/8	.031-.187	.380	.260	.040	#30	165	230	500
1691-0414	Lo-profile	1/8	.125-312	.505	.260	.040	#30	165	230	500
1691-0512	Lo-profile	5/32	.046-.250	.455	.319	.050	#19	255	375	500
1691-0613	Lo-profile	3/16	.064-.250	.510	.394	.060	#8	340	505	500
1691-0619	Lo-profile	3/16	.187-.437	.695	.394	.060	#8	340	505	500
1691-0621	Lo-profile	3/16	.250-.500	750	.394	.060	#8	340	505	500
1691-0631	Lo-profile	3/16	.500-.781	1.06	.334	.060	#8	340	505	500
1692-0410	Lg-flange	1/8	.031-.187	.380	.335	.044	#30	165	230	500
1692-0514	Lg-flange	5/32	.125-.312	.515	.385	.057	#19	255	375	500
1692-0613	Lg-flange	3/16	.062-.250	.510	.635	.075	#8	340	505	500
1692-0621	Lg-flange	3/16	.250-.500	.750	.635	.075	#8	340	505	500
1692-0631	Lg-flange	3/16	.500-.781	1.06	.635	.075	#8	340	505	500
1610-3722	Brazier	3/16	.062-.250	.510	.484	.098	#8	340	505	500
1610-3716	Brazier	3/16	.187-.437	.695	.484	.098	#8	340	505	500
1682-0412	Countersunk	1/8	.093-.250	.440	.215	.030	#30	165	230	500
1682-0414	Countersunk	1/8	.155-.312	.505	.215	.030	#30	165	230	500
1682-0514	Countersunk	5/32	.109-.312	.520	.155	.032	#19	255	375	500
1682-0615	Countersunk	3/16	.125-.312	.565	.349	.051	#8	340	505	500
1682-0621	Countersunk	3/16	.250-.500	.755	.349	.051	#8	240	505	500

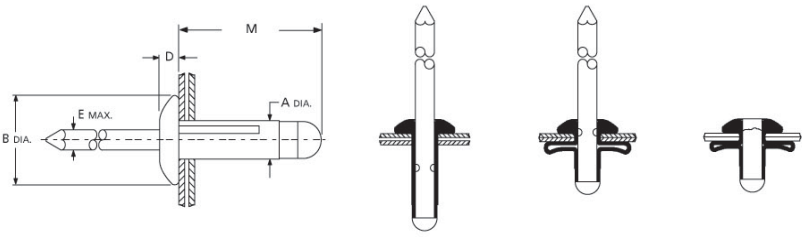
ALL STEEL

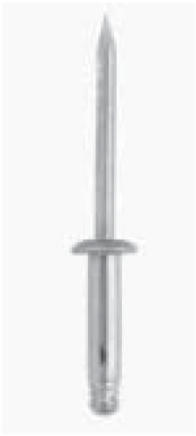
Part No.	Rivet Dia. Nom.	'D' Diameter	Grip Range	'L' Length	'H' Head Dia.	'E' Head Height	Drill Size	Shear	Tensile	Box Qty
1624-0411	Lo-profile	1/8	.044-.156	.425	.293	.036	#30	340	385	500
1624-0514	Lo-profile	5/32	.056-.196	.515	.330	.055	#20	440	530	500
1624-0612	Lo-profile	3/16	.047-.187	.521	.395	.073	#10	810	750	500
1624-0616	Lo-profile	3/16	.156-.250	.638	.395	.073	#10	1025	780	500

RIVETS

BULBEX™ RIVETS

FOR THE SOFT-THIN-BRITTLE MATERIALS
ALUMINUM RIVET/ ALUMINUM MANDREL





Product Features & Benefits

1. Large tail formation.
2. Multi-grip – reduces inventory.
3. Non-critical hole size.
4. Excellent sheet takeup.
5. Positively locked stem.
6. Head accepts color snap-on caps.

Part No.	Head Style	'A' Diameter	Grip Range	'M' Length	'B' Head Diameter	'D' Head Height	Drill Size	Shear (lb)	Tensile (lb)
BF01-0516	Lo-profile	5/32	.040-.188	.620	.321	.060	11/64	135	225
BF01-0523	Lo-profile	5/32	.040-.295	.840	.321	.060	11/64	135	225
BF01-0619	Lo-profile	3/16	.040-.157	.720	.396	.080	13/64	175	240
BF01-0625	Lo-profile	3/16	.137-.354	.930	.396	.080	13/64	175	240

DOOR RIVETS

SPECIAL TRUSS HEAD – SEMI-TUBULAR
STEEL–ZINC PLATED

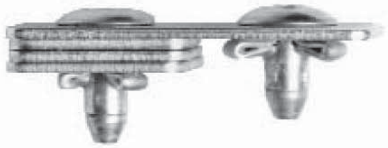


Part No.	Size	Head Diameter	Head Height
995-832	1/4 x 1-1/8	.750	.100
995-834	1/4 x 1-3/16	.750	.100
995-836	1/4 x 1-1/4	.750	.100

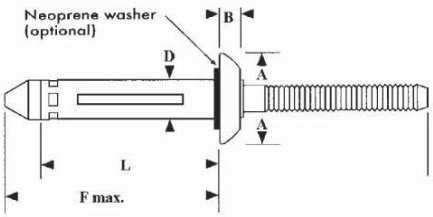
RIVETS

OLYMPIC BULB-TITE RIVETS

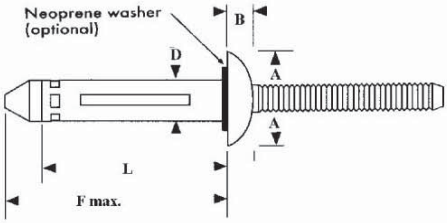




RV6606
Dome Head (Recessed Crown)



RV6607
Shaveable Brazier Head



Product Features & Benefits

High Strength High Clamping Multi-Grip
Weather Tight (when used with correct nosetip)
Flush Mandrel Break-off (when used with correct nosetip)
Tough Applications (curved surfaces - oversized & elongated holes)

ALUMINUM RIVET / ALUMINUM MANDREL

Head Style	Rivet Dia. Nom.	Part Number	Grip Range	Hole Size Drill No.	Dimensions (inches) D	B	A	F	Typ. Strength (lbs) Shear	Tensile
Dome Head Recessed Crown	3/16"	RV6606-0603W	.050-.187	.209-.221	.205	.094	.469	.872	740	460
		RV6606-0604W	.062-.250	#4				.935		
		RV6606-0606W	.187-.375					1.060		
		RV6606-0608W	.312-.500					1.185		
		RV6606-0610W	.437-.625					1.310		
		RV6606-0612W	.563-.750					1.435		
	1/4"	RV6606-0804W	.040-.250	.250-.263	.246	.111	.543	1.005	1100	675
		RV6606-0806W	.125-.375	1/4				1.130		
		RV6606-0808W	.250-.500					1.255		
		RV6606-0810W	.375-.625					1.380		
Shaveable Brazier Head	3/16"	RV6607-0606W	.050-.375	.209-.221	.205	.094	.469	1.060	740	460
		RV6607-0608W	.050-.500	#4	.205	.094	.469	1.185	740	460
	1/4"	RV6607-0808W	.050-.500	.250-.263 1/4	.246	.120	.469	1.235	1100	675

STEEL RIVET / STEEL MANDREL

Dome Head Recessed Crown	1/4"	RV6676-0804W	.040-.250	.250-.263	.246	.111	.542	1.005	1850	1025
		RV6676-0806W	.125-.375	1/4						
		RV6676-0808W	.250-.500							
		RV6676-0810W	.375-.625							

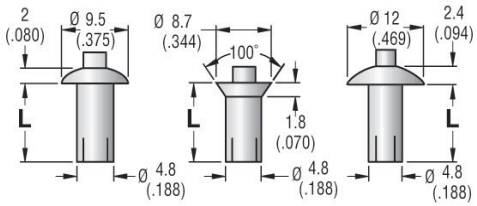
NOTE: To order without optional washer, please remove the **"W"** at the end of the part number.

RIVETS

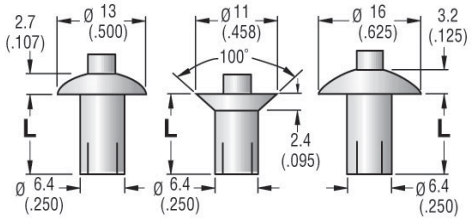
SOUTHCO ALUMINUM DRIVE RIVETS

USE THESE COLUMNS FIRST TO LOCATE YOUR CORRECT GRIP. Grip equals total thickness of ALL sheets fastened together.

3/16" DIAMETER

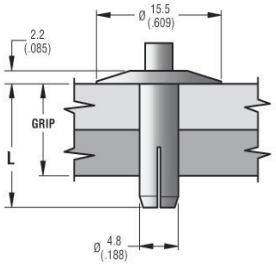


1/4" DIAMETER



Grip Range				Part Number				Part Number		
Min.	Nom.	Max.	L.	Universal Head	100° CSK Head	Full Brazier Head	L.	Universal Head	100° CSK Head	Full Brazier Head
.047	3/32	.140	1/4	SO-38-106-02-16		SO-38-206-02-16	1/4	SO-38-108-02-16		SO-38-208-02-16
.078	1/8	.171	9/32	SO-38-106-04-16		SO-38-206-04-16	9/32	SO-38-108-04-16		SO-38-208-04-16
.140	3/16	.234	11/32	SO-38-106-06-16	SO-38-506-06-16	SO-38-206-06-16	11/32	SO-38-108-06-16	SO-38-508-06-16	SO-38-208-06-16
.203	1/4	.296	13/32	SO-38-106-08-16	SO-38-506-08-16	SO-38-206-08-16	13/32	SO-38-108-08-16	SO-38-508-08-16	SO-38-208-08-16
.265	5/16	.359	15/32	SO-38-106-10-16	SO-38-506-10-16	SO-38-206-10-16	15/32	SO-38-108-10-16	SO-38-508-10-16	SO-38-208-10-16
.328	3/8	.421	17/32	SO-38-106-12-16	SO-38-506-12-16	SO-38-206-12-16	17/32	SO-38-108-12-16	SO-38-508-12-16	SO-38-208-12-16
.390	7/16	.484	19/32	SO-38-106-14-16	SO-38-506-14-16	SO-38-206-14-16	19/32	SO-38-108-14-16	SO-38-508-14-16	SO-38-208-14-16
.453	1/2	.546	21/32	SO-38-106-16-16	SO-38-506-16-16	SO-38-206-16-16	21/32	SO-38-108-16-16	SO-38-508-16-16	SO-38-208-16-16
.515	9/16	.609	23/32	SO-38-106-18-16	SO-38-506-18-16	SO-38-206-18-16	23/32	SO-38-108-18-16	SO-38-508-18-16	SO-38-208-18-16
.578	5/8	.671	25/32	SO-38-106-20-16	SO-38-506-20-16	SO-38-206-20-16	25/32	SO-38-108-20-16	SO-38-508-20-16	SO-38-208-20-16
.640	11/16	.734	27/32	SO-38-106-22-16	SO-38-506-22-16	SO-38-206-22-16	27/32	SO-38-108-22-16	SO-38-508-22-16	SO-38-208-22-16
.703	3/4	.796	29/32	SO-38-106-24-16	SO-38-506-24-16	SO-38-206-24-16	29/32	SO-38-108-24-16	SO-38-508-24-16	SO-38-208-24-16
.765	13/16	.859	31/32	SO-38-106-26-16	SO-38-506-26-16	SO-38-206-26-16	31/32	SO-38-108-26-16	SO-38-508-26-16	SO-38-208-26-16
.828	7/8	.921	1 1/32	SO-38-106-28-16	SO-38-506-28-16	SO-38-206-28-16	1 1/32	SO-38-108-28-16	SO-38-508-28-16	SO-38-208-28-16
.890	15/16	.984	1 3/32	SO-38-106-30-16	SO-38-506-30-16	SO-38-206-30-16	1 3/32	SO-38-108-30-16	SO-38-508-30-16	SO-38-208-30-16
.953	1	1.047	1 5/32	SO-38-106-32-16	SO-38-506-32-16	SO-38-206-32-16	1 5/32	SO-38-108-32-16	SO-38-508-32-16	SO-38-208-32-16

SOUTHCO 3G LINER RIVETS



MATERIAL
Aluminum rivet with non-corrosive pin

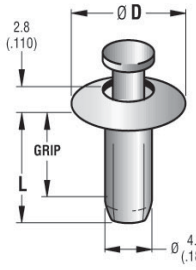
9 SIZES REPLACES 30

COVERS ALL GRIPS THROUGH 15/16"

Grip Range	Part Number	L.
.076-.175	SO-10-11-706-13	9/32
.176-275	SO-10-12-706-13	25/64
.276-.375	SO-10-13-706-13	31/64
.376-.475	SO-10-14-706-13	37/64
.476-.575	SO-10-15-706-13	11/16
.576-.675	SO-10-16-706-13	25/32
.676-.775	SO-10-17-706-13	7/8
.776-.875	SO-10-18-706-13	63/64
.876-.975	SO-10-19-706-13	1 5/64

TO INSTALL–Use 3/16" dia. drill…insert rivet…hit the pin

SOUTHCO T.I.R. CONTAINER RIVETS



DRIVE WITH A SECURITY LOCK

MATERIAL
Aluminum rivet with non-corrosive pin

Grip Range	Part Number .468 Dia. Head	Part Number .615 Dia. Head	L.
.076-.175	SO-10-99-106-11	SO-10-99-108-11	9/32
.176-.275	SO-10-99-106-12	SO-10-99-108-12	25/64
.276-.375	SO-10-99-106-13	SO-10-99-108-13	31/64
.376-.475	SO-10-99-106-14	SO-10-99-108-14	37/64
.476-.575	SO-10-99-106-15	SO-10-99-108-15	11/16
.576-.675	SO-10-99-106-16	SO-10-99-108-16	25/32
.676-.775	SO-10-99-106-17	SO-10-99-108-17	7/8
.776-.875	SO-10-99-106-18	SO-10-99-108-18	63/64
.876-.975	SO-10-99-106-19	SO-10-99-108-19	1 5/64

TO INSTALL–Use 3/16" dia. drill…insert rivet…hit the pin

A19

RIVETS

ALUMINUM RIVETS*

STANDARD BRAZIER HEAD

Part Number Alloy 1100 F	Part Number Alloy 2117T4	Nominal Diameter	Length	Approx. Pcs. Per Pound
701-101	701-112	3/16	1/4	640
701-102	701-113	3/16	5/16	576
701-103	701-114	3/16	3/8	523
701-104	701-115	3/16	7/16	480
701-105	701-116	3/16	1/2	443
701-105X	701-116X	3/16	9/16	411
701-106	701-117	3/16	5/8	384
701-107	701-118	3/16	3/4	338
701-108	701-119	3/16	7/8	303
701-109	701-120	3/16	1	274
704-101	704-112	1/4	1/4	305
704-102	704-113	1/4	5/16	279
704-103	704-114	1/4	3/8	257
704-104	704-115	1/4	7/16	238
704-105	704-116	1/4	1/2	222
704-105X	704-116X	1/4	9/16	207
704-106	704-117	1/4	5/8	195
704-107	704-118	1/4	3/4	174
704-108	704-119	1/4	7/8	157
704-109	704-120	1/4	1	143

PACKAGED 1 POUND PER BOX.



Dimensions

A	B	C	D
3/16	0.467	0.094	0.339
1/4	0.625	0.125	0.454

NOTE: Rivets made with the softer alloy (1100F) are marked with a “2” on the bottom. Hard alloy rivets (2117T4) have a dimple on their head.

MODIFIED BRAZIER HEAD

Part Number Alloy 1100 F	Part Number Alloy 2117T4	Nominal Diameter	Length	Approx. Pcs. Per Pound
702-101	702-112	3/16	1/4	840
702-102	702-113	3/16	5/16	735
702-103	702-114	3/16	3/8	649
702-104	702-115	3/16	7/16	584
702-105	702-116	3/16	1/2	531
702-105X	702-116X	3/16	9/16	485
702-106	702-117	3/16	5/8	448
702-107	702-118	3/16	3/4	387
702-108	702-119	3/16	7/8	341
702-109	702-120	3/16	1	305
705-101	705-112	1/4	1/4	478
705-102	705-113	1/4	5/16	417
705-103	705-114	1/4	3/8	369
705-104	705-115	1/4	7/16	331
705-105	705-116	1/4	1/2	300
705-105X	705-116X	1/4	9/16	274
705-106	705-117	1/4	5/8	253
705-107	705-118	1/4	3/4	318
705-108	705-119	1/4	7/8	192
705-109	705-120	1/4	1	172

PACKAGED 1 POUND PER BOX.



Dimensions

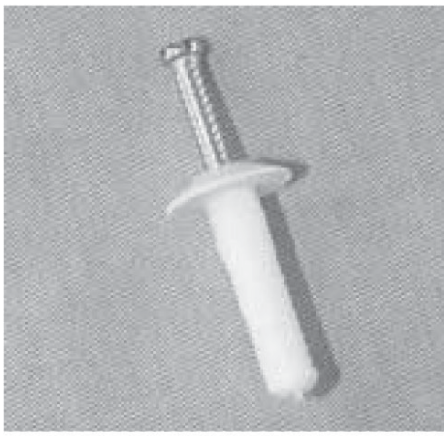
A	B	C	D
3/16	0.390	0.078	0.283
1/4	0.468	0.094	0.339

* SELECT SIZES NOW AVAILABLE IN STAINLESS STEEL.

NYLON TAP-IT

HAMMER DRIVE NYLON FASTENER

BODY (SHELL) MATERIAL IS NYLON COPOLYMER TYPE 6 RESIN. DRIVE PINS (STEEL) C1008, ZINC PLATED TO ASTM A-164 AND CLEAR CHROMATE DIPPED, HEAT TREATED

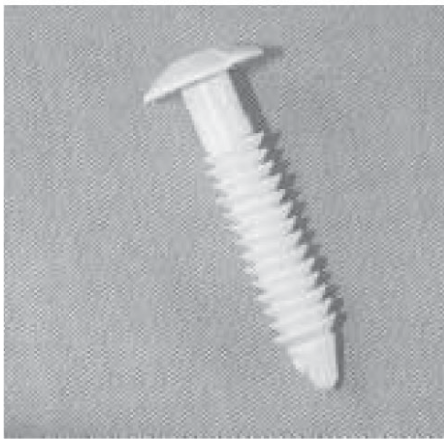


			Grip Range	
Part No.	Diameter	Length	Min.	Max.
706-102	3/16"	3/4"	1/16"	1/4"
706-104	3/16"	1"	1/4	5/8"
706-118	1/4"	3/4"	3/16"	5/8"
706-120	1/4"	1"	3/16"	7/8"
706-122	1/4"	1-1/2"	3/8"	1-1/4"
706-124	1/4"	2"	7/8"	1-3/4"
706-128	1/4"	3"	1-3/4"	2-1/2"

UNI-TAP

THE LOWEST THERMAL CONDUCTIVE FASTENER TODAY…

For reefers, UNI-TAP's non-conductive nylon confers a unique, major advantage over conventional metal fasteners (which draw severe winter cold into a trailer interior, causing condensation and icing) or those with a nylon pin (which are considerably more expensive as well as being difficult to drive).
UNI-TAP's other features – strength, ease of installation and low cost – make it equally welcome for use in dry vans.



EXCEPTIONAL STRENGTH!

UNI-TAP is made of tough Dupont nylon. This allows for a high sheer and tensile strength. It has the impact resistance to take hammer drive installation and the strength to hold firmly in place.

Product Features & Benefits

1. Material is FDA approved
2. Non-conductive and resists most chemicals.
3. Low in-place cost.
4. 3 lengths available
5. Tamper and vibration resistant.

			Grip Range	
Part No.	Diameter	Length	Min.	Max.
706-150	1/4"	1"	3/16"	1/2"
706-152	1/4"	1-5/8"	3/8"	1-1/8"
706-154	1/4"	2-5/8"	7/8"	1-5/8"

RIVETS

MAGNA-LOK®

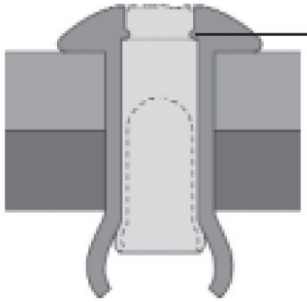
BLIND FASTENING SYSTEM

Product Features & Benefits

1. Circle lock ensures maximum strength and resistance to vibration, virtually eliminating pin pushout.
2. Flush pin break means there's no need to grind or file a Magna-Lok fastener.
3. Magna-Lok fasteners have a wide grip range, which means less inventory and a reduced risk of selecting the wrong size fastener.
4. The sleeve portion of the Magna-Lok fastener expands during installation, tightly filling the hole, which creates a weather resistant joint.

Typical Installed Values in Normal Grip (lbs.)

		Aluminum	Steel	Stainless Steel
3/16	Shear	600	1300	1300
	Tensile	500	1200	950
	Pin Retention	50	150	100
1/4	Shear	1300	2500	2350
	Tensile	890	2200	1800
	Pin Retention	100	300	200
3/8	Shear	2950	5600	NA
	Tensile	1900	4000	NA
	Pin Retention	250	650	NA



Unique solid-circle lock ensures maximum strength and resistance to vibration.
It is designed to eliminate pin pushout. It forms a mechanical lock, permanently locking the pin and sleeve together.

Material and Finish

	Sleeve	Pin	Sleeve Finish	Pin Finish
Steel	Low Carbon Steel	Medium Carbon Steel	Zinc Plated Clear Chromate	Zinc Plated Gold Chromate
Aluminum	5056	7075	Clear Chromate	Gold Chromate
Stainless	302	305/304	Passivated	Dry Lubricated

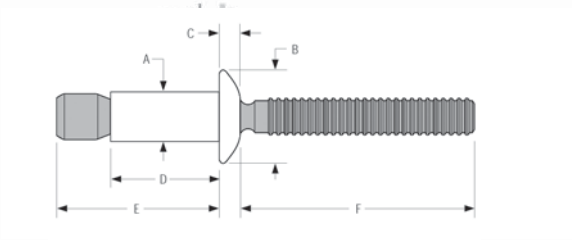
Installation Tooling

	Installation Tool	Nose Assembly			Type	Use
3/16	2025	99-3300			Pneudraulic	Maintenance & Repair
	202	99-3303	99-3316-68		Pneudraulic	Production or Maintenance & Repair
	2015	125154 (insert, included with tool)			Pneudraulic	Production or Maintenance & Repair
	212	99-3300	99-3303	99-3316-68	Pneudraulic	Production
	AK180-1	120982			Pneudraulic	Maintenance & Repair
	2480	99-3300	99-3303	99-3316-68	Hydraulic	Production
1/4	2025	99-3301			Pneudraulic	Maintenance & Repair
	202	99-3301	99-3316-68		Pneudraulic	Production or Maintenance & Repair
	212	99-3301	99-3305	99-3316-68	Pneudraulic	Production
	AK180-1	202142			Pneudraulic	Maintenance & Repair
	2480	99-3301	99-3305	99-3316-68	Hydraulic	Production
3/8	246	99-3318			Pneudraulic	Production
	2580	99-3318			Hydraulic	Production

RIVETS

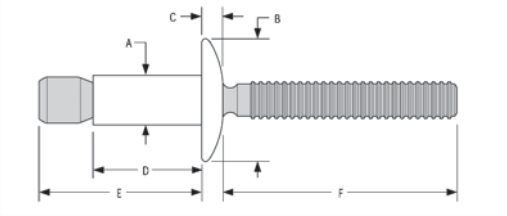
MAGNA-LOK®

BLIND FASTENING SYSTEM



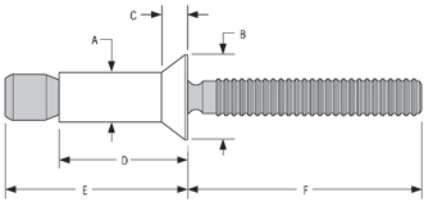
PROTRUDING HEAD

Diameter	Steel	Aluminum	Stainless	Grip Range	Hole Size	A	B	C	D	E	F
3/16	MGLP-R6-4	MGLP-B6-4	MGLP-U6-4	.062-.270	.191-.201	.188	.358	.085	.415	.675	1.00
	MGLP-R6-7	MGLP-B6-7	MGLP-U6-7*	.214-.437	.191-.201	.188	.358	.085	.572	.825	1.00
	MGLP-R6-E	MGLP-B6-E		.062-.437	.191-.201	.188	.358	.085	.572	.950	1.00
1/4	MGLP-R8-6	MGLP-B8-6	MGLP-U8-6	.080-.375	.261-.272	.253	.525	.117	.560	.970	1.00
	MGLP-R8-10	MGLP-B8-10	MGLP-U8-10*	.350-.625	.261-.272	.253	.525	.117	.810	1.220	1.00
	MGLP-R8-E	MGLP-B8-E		.080-.625	.261-.272	.253	.525	.117	.810	1.405	1.00
3/8	MGLP-R12-12	MGLP-B12-12		.120-.560	.392-.408	.386	.787	.175	.810	1.650	1.545



TRUSS HEAD

Diameter	Steel	Aluminum	Grip Range	Hole Size	A	B	C	D	E	F
3/16	MGLT-R6-4	MGLT-B6-4	.062-.270	.191-.201	.187	.500	.085	.415	.675	1.00
	MGLT-R6-7*	MGLT-B6-7*	.214-.437	.191-.201	.187	.500	.085	.572	.825	1.00
	MGLT-R6-E	MGLT-B6-E*	.062-.437	.191-.201	.187	.500	.085	.572	.950	1.00
1/4	MGLT-R8-6*	MGLT-B8-6*	.080-.375	.261-.272	.253	.588	.117	.560	.970	1.00
	MGLT-R8-10*	MGLT-B8-10*	.350-.625	.261-.272	.253	.588	.117	.810	1.220	1.00
	MGLT-R8-E	MGLT-B8-E*	.080-.625	.261-.272	.253	.588	.117	.810	1.405	1.00



100° COUNTERSUNK HEAD

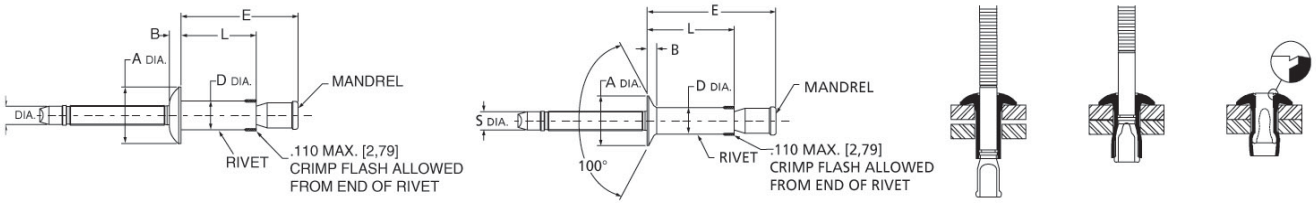
Diameter	Steel	Aluminum	Stainless	Grip Range	Hole Size	A	B	C	D	E	F
3/16	MGL100-R6-6	MGL100-B6-6	MGL100-U6-6*	.125-.331	.191-.201	.188	.345	.070	.486	.762	1.00
	MGL100-R6-9	MGL100-B6-9	MGL100-U6-9*	.305-.500	.191-.201	.188	.345	.070	.653	.929	1.00
1/4	MGL100-R8-8	MGL100-B8-8	MGL100-U8-8*	.160-.475	.261-.272	.257	.405	.079	.660	1.059	1.00
	MGL100-R12-12	MGL100-B12-12	MGL100-U12-12*	.415-.725	.261-.272	.257	.405	.079	.910	1.309	1.00

*Consult JPC for availability

RIVETS

MONOBOLT®

BLIND FASTENING SYSTEM



Product Features & Benefits

1. Extra High Shear and Tensile Strength – Requires fewer rivets per structure at lower installed cost.
2. Complete hole fill provides vibration proof joint.
3. Stem breaks essentially flush, eliminating secondary operations.
4. Wide grip range reduces inventories and possibility of selection error.
5. Mechanically locked stem allows positive visual inspection.

NOTE: We recommend using the Huck Magna-Lok fastening system on the previous page. It provides superior performance at a lower price. Huck Magna-Lok fasteners do not require the use of a nose piece like monobolts do. See page A19-26 for nosepieces.

ALUMINUM

Part No.	Head Style	'D' Diameter	Grip Range	'L' Length	'A' Head Diameter	'B' Head Height	Drill Size	Shear	Tensile
2774-0613	Brazier	3/16	.064-.270	.721	.385	.073	#10	675	500
2774-0617	Brazier	3/16	.064-.437	.946	.385	.073	#10	675	500
2764-0821	Countersunk	1/4	.125-.475	1.069	.385	.079	17/64	1350	950
2774-0817	Brazier	1/4	.080-.375	.965	.505	.104	17/64	1350	950
2774-0824	Brazier	1/4	.080-.625	1.366	.505	.104	17/64	1350	950

STEEL

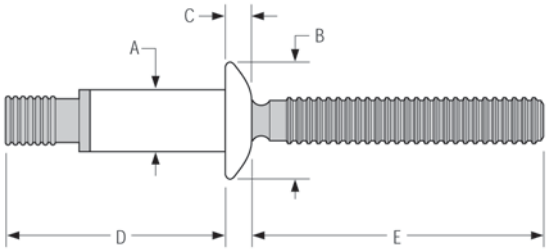
Part No.	Head Style	'D' Diameter	Grip Range	'L' Length	'A' Head Diameter	'B' Head Height	Drill Size	Shear	Tensile
2771-0613	Brazier	3/16	.064-.270	.721	.385	.073	#10	1450	1150
2771-0617	Brazier	3/16	.064-.437	.946	.385	.073	#10	1450	1150
2761-0615	Countersunk	3/16	.125-.331	.786	.325	.070	#10	1450	1150
2771-0817	Brazier	1/4	.080-.375	.965	.505	.104	17/64	2650	2350
2771-0824	Brazier	1/4	.080-.625	1.366	.505	.104	17/64	2650	2350
2761-0821	Countersunk	1/4	.125-.475	1.069	.395	.079	17/64	2650	2350

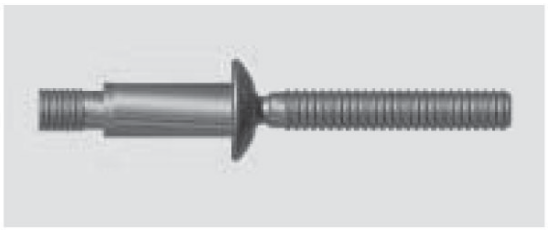
STAINLESS STEEL

Part No.	Head Style	'D' Diameter	Grip Range	'L' Length	'A' Head Diameter	'B' Head Height	Drill Size	Shear	Tensile
2711-0613	Brazier	3/16	.064-.270	.721	.385	.073	#10	1450	1150
2711-0617	Brazier	3/16	.064-.437	.946	.385	.073	#10	1450	1150
2711-0817	Brazier	1/4	.080-.375	.965	.505	.104	17/64	2650	2350

MAGNA-BULB®

High strength with a broader bearing surface. The Magna-Bulb fastener creates a broader bearing surface that helps spread the load over more area for a stronger, longer lasting connection.





Specifications

Diameter (No.)	Part No.	Grip Range	D max
3/16 (6)	MBP-R6-M2	.075-.110	.592
Hole Size=.191-.201	MBP-R6-M3	.087-.150	.672
A nom=.187	MBP-R6-M4	.126-.189	.695
B max=.385	MBP-R6-M5	.165-.228	.734
C max=.101	MBP-R6-M6	.205-.268	.774
E min=1.00	MBP-R6-M7	.244-.307	.813
	MBP-R6-M8	.283-.347	.853
	MBP-R6-M9	.323-.386	.892
	MBP-R6-M10	.362-.425	.931
1/4 (8)	MBP-R8-M2	.060-.138	.759
Hole Size=.261-.272	MBP-R8-M3	.110-.189	.861
A nom=.251	MBP-R8-M4	.150-.229	.940
B max=.530	MBP-R8-M5	.189-.268	.912
C max=.125	MBP-R8-M6	.229-.308	.942
E min=1.10	MBP-R8-M7	.268-.346	.981
	MBP-R8-M8	.308-.387	1.021
	MBP-R8-M9	.346-.425	1.060
	MBP-R8-M10	.387-.466	1.100
	MBP-R8-M11	.425-.504	1.139
	MBP-R8-M12	.466-.545	1.179
	MBP-R8-M13	.504-.583	1.218
5/16 (10)	MBP-R10-3	.150-.250	1.115
Hole Size=.328-.340	MBP-R10-4	.200-.300	1.165
A nom=.316	MBP-R10-5	.250-.350	1.215
B max=.655	MBP-R10-6	.300-.400	1.265
C max=.152	MBP-R10-7	.350-.450	1.315
E min=1.38	MBP-R10-8	.400-.500	1.365
	MBP-R10-9	.450.-550	1.415
	MBP-R10-10	.500-.600	1.465

Typical Installed Values in Normal Grip

Diameter	Shear	Tensile	Pin Retention
3/16	1700	1100	300
1/4	3600	2000	600
5/16	5000	2960	450

Materials and Finishes

	Material	Finish
Sleeve	Steel	Zinc Plated Gold Chromate
Pin	Steel	Zinc Plated Gold Chromate

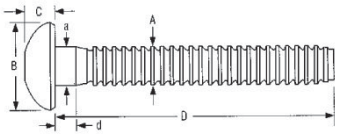
RIVETS

MAGNA-GRIP® LOCK BOLT

Widely known as the most reliable grip fastening systems there is. The Huck Magna-Grip fastener also provides vibration resistance and high uniform installed values.

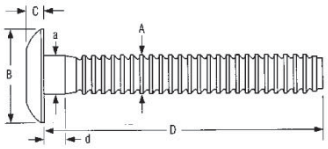


BUTTON HEAD



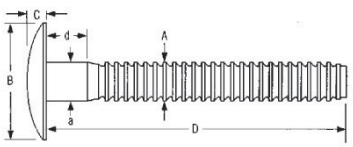
Nom. Dia.	Part Number Steel (R)	Part Number Aluminum 7075-T6(E)	Grip Range	Max Hole Dia.	Fastener Dimensions A	B	C	D +.025 -.000	a Ref.	d Ref.	Installed Values* (lbs) Clampforce Steel	Clampforce Alum.	Shear Steel	Shear Alum.	Tensile Alum.	Tensile Alum.
3/16"	MGPB-R6-10G	MGPB-E6-10	.062-.625	.203	.183-.187	.375	.125	1.788	.194	.120	1300	900	2050	930	2250	1250
	MGPB-R6-20G	MGPB-E6-20	.312-1.250	.203	.183-.187	.375	.125	2.370	.194	.370	1300	900	2050	930	2250	1250
1/4"	MGPB-R8-10G	MGPB-E8-10	.062-.625	.265	.245-.249	.500	.140	1.965	.257	.155	1800	1500	2650	1650	3500	2150
	MGPB-R8-20G	MGPB-E8-20	.312-1.250	.265	.245-.249	.500	.140	2.560	.257	.370	1800	1600	2650	1650	3500	2150
5/16"	MGPB-R10-12G	MGPB-E10-12	.125-.750	.328	.307-.310	.625	.187	2.340	.276	.250	2650	1900	4500	2550	5800	3400
	MGPB-R10-22G	MGPB-E10-22	.625-1.375	.328	.307-.310	.625	.187	2.840	.320	.590	2650	1900	4500	2550	5800	3400
3/8"	MGPB-R12-14G	MGPB-E12-14	.125-.875	.390	.369-.375	.750	.245	2.875	.383	.188	4500	2650	6450	3700	8600	5300
	MGPB-R12-26G	MGPB-E12-26	.812-1.625	.390	.369-.375	.750	.245	3.500	.383	.810	4500	2650	6450	3700	8600	5300

TRUSS HEAD



Nom. Dia.	Part Number Steel (R)	Part Number Aluminum 7075-T6(E)	Grip Range	Max Hole Dia.	Fastener Dimensions A	B	C	D +.025 -.000	a Ref.	d Ref.	Installed Values* (lbs) Clampforce Steel	Clampforce Alum.	Shear Steel	Shear Alum.	Tensile Alum.	Tensile Alum.
3/16"	MGP98T-R6-10G	MGP98T-E6-10	.062-.625	.203	.183-.186	.486	.093	1.788	.194	.970	1300	900	2050	930	2250	1250
	MGP98T-R6-20G	MGP98T-E6-20	.312-1.250	.203	.183-.186	.486	.093	2.370	.194	.312	1300	900	2050	930	2250	1250
1/4"	MGPT-R8-10G	MGP98T-E8-10	.062-.625	.265	.245-.249	.562	.109	1.965	.257	.125	1800	1500	2650	1650	3500	2150
	MGPT-R8-20G	MGP98T-E8-20	.312-1.250	.265	.245-.249	.562	.109	2.560	.257	.512	1800	1600	2650	1650	3500	2150
5/16"	MGPT-R10-12G	MGP98T-E10-12	.125-.750	.328	.307-.311	.750	.125	2.340	.276	.250	2650	1900	4500	2550	5800	3400
	MGPT-R10-22G	MGP98T-E10-22	.625-1.375	.328	.307-.311	.750	.125	2.840	.320	.590	2650	1900	4500	2550	5800	3400
3/8"	MGPT-R12-14G	MGP98T-E12-14	.125-.875	.390	.369-.374	.875	.166	2.875	.383	.188	4500	2650	6450	3700	8600	5300
	MGPT-R12-26G	MGP98T-E12-26	.812-1.625	.390	.369-.374	.875	.166	3.500	.383	.810	4500	2650	6450	3700	8600	5300

BROAD TRUSS HEAD

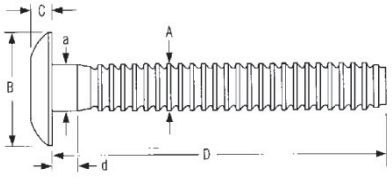


Nom. Dia.	Part Number Steel (R)	Part Number Aluminum 7075-T6(E)	Grip Range	Max Hole Dia.	Fastener Dimensions A	B	C	D +.025 -.000	a Ref.	d Ref.	Installed Values* (lbs) Clampforce Steel	Clampforce Alum.	Shear Steel	Shear Alum.	Tensile Alum.	Tensile Alum.
3/16"	MGP30-R8-10G	MGP30-E8-10	.062-.625	.265	.245-.249	**	.160	1.965	.257	.125	1800	1500	2650	1650	3500	2150
	MGP30-R8-24G	MGP30-E8-24	.625-1.50	.265	.245-.249	**	.160	2.810	.257	.562	1800	1500	2650	1650	3500	2150
3/8"	MGP30-R12-24G	MGP30-E12-24	.625-1.50	.390	.369-.374	1.218	.210	3.375	.383	.680	4500	2650	6450	3700	8600	5300
	MGP30-R12-32G	MGP30-E12-32	1.125-2.00	.390	.369-.374	1.218	.210	3.875	.383	1.180	4500	2650	6450	3700	8600	5300

**Steel .937 Aluminum 1.063

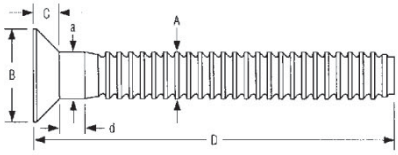
RIVETS

MAGNA-GRIP® LOCK BOLT



CAPPED SS TRUSS HEAD

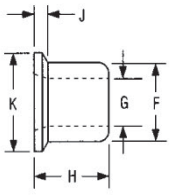
Nom. Dia.	Part Number Steel (R)	Part Number Aluminum 7075-T6(E)	Grip Range	Max Hole Dia.	Fastener Dimensions A	B	C	D +.025 -.000	a Ref.	d Ref.	Installed Values* (lbs) Clampforce Steel	Clampforce Alum.	Shear Steel	Shear Alum.	Tensile Alum.	Tensile Alum.
3/16"	MGPTC-R8-10G	–	.062-.625	.265	.245-.249	.604	.109	1.965	.257	.125	1800	1500	2650	1650	3500	2150
	MGPTC-R8-20G	–	.312-1.250	.265	.245-.249	.604	.109	2.560	.257	.512	1800	1500	2650	1650	3500	2150
3/8"	MGPTC-R12-14G	–	.125-.875	.390	.369-.374	.875	.166	2.875	.383	.188	4500	2650	6450	3700	8600	5300



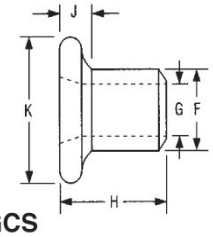
90° FLUSH HEAD

Nom. Dia.	Part Number Steel (R)	Part Number Aluminum 7075-T6(E)	Grip Range	Max Hole Dia.	Fastener Dimensions A	B	C	D +.025 -.000	a Ref.	d Ref.	Installed Values* (lbs) Clampforce Steel	Clampforce Alum.	Shear Steel	Shear Alum.	Tensile Alum.	Tensile Alum.
3/16"	MGP90-R6-10G	MGP90-E6-10	.062-.625	.203	.183-.187	.343	.100	1.788	.194	.120	1300	900	2050	930	2250	1250
	MGP90-R6-20G	MGP90-E6-20	.937-1.250	.203	.183-.187	.343	.100	2.370	.194	.370	1300	900	2050	930	2250	1250
1/4"	MGP90-R8-10G	MGP90-E8-10	.062-.625	.265	.245-.248	.473	.126	1.965	.222	.155	1800	1500	2650	1650	3500	2150
	MGP90-R8-20G	MGP90-E8-20	.312-1.250	.265	.245-.248	.473	.126	2.560	.257	.370	1800	1600	2650	1650	3500	2150
5/16"	MGP90-R10-12G	MGP90-E10-12	.125-.750	.328	.307-.311	.562	.160	2.340	.276	.160	2650	1900	4500	2550	5800	3400
	MGP90-R10-22G	MGP90-E10-22	.625-1.375	.328	.307-.311	.562	.160	2.840	.320	.660	2650	1900	4500	2550	5800	3400
3/8"	MGP90-R12-14G	MGP90-E12-14	.125-.875	.390	.369-.374	.683	.187	2.875	.336	.250	4500	2650	6450	3700	8600	5300
	MGP90-R12-26G	MGP90-E12-26	.812-1.625	.390	.369-.374	.683	.162	3.500	.383	.648	4500	2650	6450	3700	8600	5300

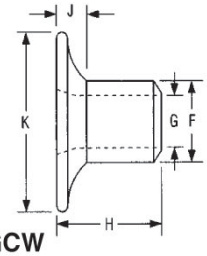
COLLARS



MGC



MGCS



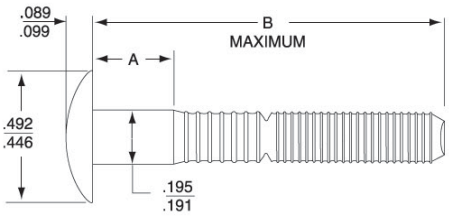
MGCW

Nom. Dia.	Part Number Steel	Part Number 6061 Alum.	F	G	H	J	K
3/16"	MGC-R6U	MGC-F6	.307-.313	.189-.195	.265-.285	.040-.052	.365-.385
	MGCS-R6U		.308-.315	.189-.195	.290-.320	.085-.115	.495-.535
	MGCW-R6U	MGCW-F6	.307-.314	.189-.195	.290-.320	.090-.115	.640-.754
1/4"	MGC-R8U	MGC-F8	.399-.405	.250-.260	.360-.390	.055-.070	480-.520
	MGCW-R8U	MGCW-F8	.399-.405	.250-.260	.432-.462	.115-.145	.855-1.000
5/16"	MGC-R10U	MGC-F10	.501-.509	.312-.320	.430-.446	.069-.086	.605-.645
3/8"	MGC-R12U	MGC-F12	.603-.611	.376-.384	.490-.520	.086-.100	.730-.770

RIVETS

C98LT® FASTENING SYSTEM

Highly polished stainless steel head for use in chrome grills on Kenworth, Freightliner and Peterbuilt tractors.

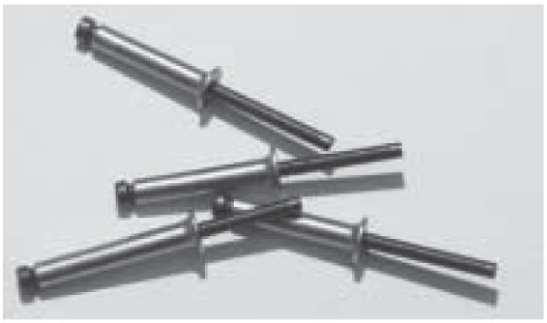


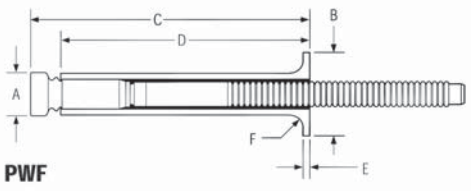


Part Number	Grip Range	'A'	'B'	Hole Size	Pin Material	Use With Collar
C98LT-U6-3BR	.125-.250	.125-.250	1-9/16	13/64	Stainless Steel	3LCW-R6G or 3LC-2CU6
C98LT-U6-5BR	.251-.375	.251-.375	1-11/16			
C98LT-U6-7BR	.376-.500	.376-.500	1-13/16			
C98LT-U6-9BR	.501-.625	.501-.625	1-15/16			
C98LT-U6-12BR	.688-.813	.688-.813	2-1/32			

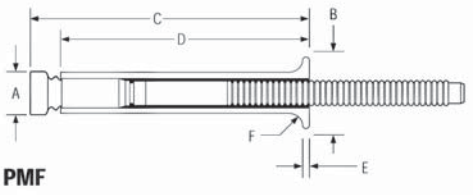
FLOORTIGHT®

Designed for large vehicle flooring installations, FloorTight® fasteners eliminate the counterboring process in plywood and dimpling in plymetal, Because FloorTight® fasteners are locked on the blind side, they are also ideal for other plywood or plymetal applications.





PWF



PMF

Fastener Dimensions

Part No.	Grip Range	A max	B nom	C max	D nom	E nom	F radius	Clamp
PMF-R10-20	.750-1.375	.325	.560	2.125	1.750	.050	.125	Standard
PMF-R10-26	.750-1.625	.325	.560	2.500	2.125	.050	.125	Standard
PWF-R10-20	.750-1.375	.325	.675	2.125	1.750	.050	.125	Standard
PWF-R10-26	.750-1.625	.325	.675	2.500	2.125	.050	.125	Standard
PMFMC-R10-20	.750-1.375	.325	.675	2.125	1.750	.050	.125	Medium
PWFWLC-R10-20	.750-1.375	.325	.850	2.125	1.750	.050	.125	Low Clamp Wide Flange

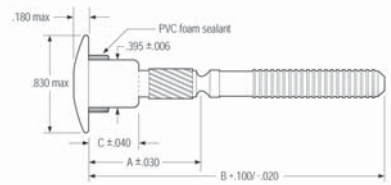
HUCKTAINER®

FASTENING SYSTEM FOR FRP
(fiberglass reinforced plywood)

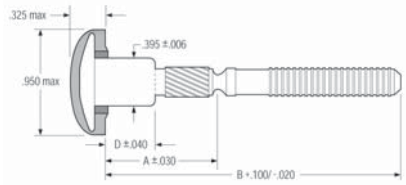


Product Features & Benefits

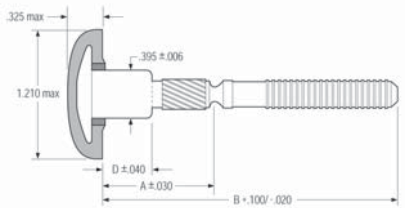
1. Low profile head design can save up to five cubic feet of cargo space.
2. Available with encapsulated head for maximum corrosion resistance and aesthetic appeal.
3. Weather seal provides protection from the elements.
4. Heavy zinc plating protects against corrosion.
5. When the proper fastener is selected it will not crush or craze FRP panels. No more bullnosing in your FRP.



Standard low profile head HLPP-R12-( )



Medium bearing encapsulate head HLPM(*)-R12-( )

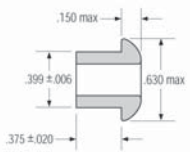


Wide bearing encapsulate head HLPE(*)-R12-( )

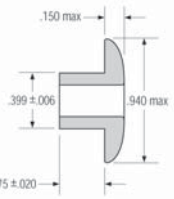
Low Profile Head	Part Number Med Encapsulated (R)	Aluminum 7075-T6(E)	Grip Number	Grip Range min	Grip Range max	Hole Size	A	B	C	A
HLPP-R12-10	HLPM(**)-R12-10	HLPE(**)-R12-10	-10	.562	.625	.405-.421	.624	2.232	.090	.015
HLPP-R12-11	HLPM(**)-R12-11	HLPE(**)-R12-11	-11	.625	.687	.405-.421	.687	2.295	.090	.015
HLPP-R12-12	HLPM(**)-R12-12	HLPE(**)-R12-12	-12	.687	.750	.405-.421	.749	2.357	.220	.145
HLPP-R12-13	HLPM(**)-R12-13	HLPE(**)-R12-13	-13	.750	.812	.405-.421	.812	2.420	.220	.145
HLPP-R12-14	HLPM(**)-R12-14	HLPE(**)-R12-14	-14	.812	.875	.405-.421	.874	2.482	.345	.270
HLPP-R12-15	HLPM(**)-R12-15	HLPE(**)-R12-15	-15	.875	.937	.405-.421	.937	2.545	.345	.270
HLPP-R12-16	HLPM(**)-R12-16	HLPE(**)-R12-16	-16	.937	1.000	.405-.421	.999	2.607	.470	.395
HLPP-R12-17	HLPM(**)-R12-17	HLPE(**)-R12-17	-17	1.000	1.062	.405-.421	1.062	2.670	.532	.457
HLPP-R12-18	HLPM(**)-R12-18	HLPE(**)-R12-18	-18	1.062	1.125	.405-.421	1.124	2.732	.595	.520
HLPP-R12-19	HLPM(**)-R12-19	HLPE(**)-R12-19	-19	1.125	1.187	.405-.421	1.187	2.795	.658	5.83
HLPP-R12-20	HLPM(**)-R12-20	HLPE(**)-R12-20	-20	1.187	1.312	.405-.421	1.249	2.857	.720	.645
HLPP-R12-21	HLPM(**)-R12-21	HLPE(**)-R12-21	-21	1.250	1.375	.405-.421	1.312	2.920	.782	.707
HLPP-R12-22	HLPM(**)-R12-22	HLPE(**)-R12-22	-22	1.312	1.437	.405-.421	1.374	2.982	.782	.707
HLPP-R12-23	HLPM(**)-R12-23	HLPE(**)-R12-23	-23	1.375	1.500	.405-.421	1.437	3.045	.782	.707
HLPP-R12-24	HLPM(**)-R12-24	HLPE(**)-R12-24	-24	1.437	1.562	.405-.421	1.499	3.107	.782	.707
HLPP-R12-25	HLPM(**)-R12-25	HLPE(**)-R12-25	-25	1.500	1.625	.405-.421	1.562	3.170	.782	.707
HLPP-R12-26	HLPM(**)-R12-26	HLPE(**)-R12-26	-26	1.562	1.687	.405-.421	1.625	2.232	.782	.707
HLPP-R12-27	HLPM(**)-R12-27	HLPE(**)-R12-27	-27	1.625	1.750	.405-.421	1.687	3.295	.782	.707
HLPP-R12-28	HLPM(**)-R12-28	HLPE(**)-R12-28	-28	1.687	1.812	.405-.421	1.750	3.357	.782	.707
HLPP-R12-29	HLPM(**)-R12-29	HLPE(**)-R12-29	-29	1.750	1.875	.405-.421	1.812	3.420	.782	.707
HLPP-R12-30	HLPM(**)-R12-30	HLPE(**)-R12-30	30	1.812	1.937	.405-.421	1.875	3.482	.782	NA

Installed Values in Normal Grip (lbs)	
Tensile	800 lbs min
	1200 lbs type max grip
	1800 lbs type min grip
Clamp	700 lbs type

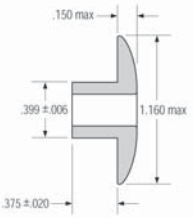
Clearance sleeve HLPSC-R12



Medium bearing sleeve HLPSM-R12



Clearance sleeve HLPS-R12



*Add encapsulated color: W=white, G=gray, RY=Ryder yellow, HY=Hertz yellow. Consult HUCK for other colors.

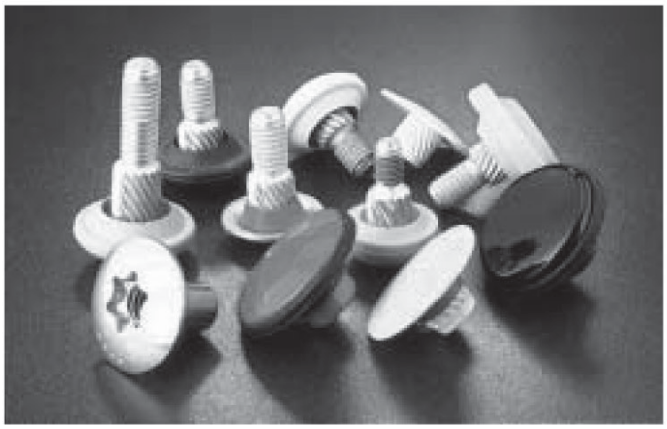
	Materials and Finishes	
	Material	Finish
Sleeve	Steel	Zinc Plated Gold Chromate
Pin	Steel	Zinc Plated Clear Chromate

A19

RIVETS

CAMCAR TEXTRON CAMTAINER® FASTENING SYSTEM

NUT & BOLT SYSTEMS FOR TRUCK TRAILER ASSEMBLIES



Product Features & Benefits

1. Original Camtainer bolt features low-profile steel head.
2. Camtainer II bolt features a low-profile molded head, available in a variety of colors.
3. Knurled shoulder.
4. CAMGRIP® epoxy on threads.
5. Special underhead seal.
6. TORX® Drive Flange nut.
7. Positive high torque and excellent structural strength
8. One person installation.
9. Seals out Moisture.
10. Resists loosening from vibration and expansion/contraction.
11. Tamper-resistant.
12. Corrosion-resistant

CAMTAINER® FASTENERS

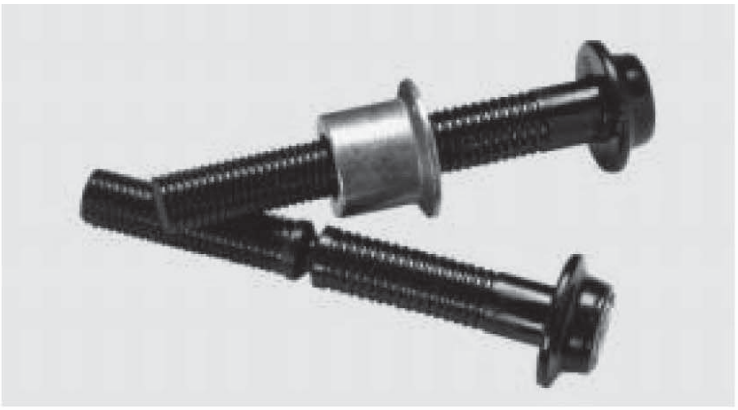
Part Number	Size	Head Diameter	Grip Length Using 1/2" Long Nut	Head Style
CT-883-80500	5/16-18 x 3/4	7/8	.785-.900	Standard
CT-880-82112	5/16-18 x 7/8	7/8	.875-1.062	Standard
CT-883-82920	5/16-18 x 1"	7/8	.778-1.250	Standard
CT-880-84160	5/16-18 x 1-1/4	7/8	1.062-1.250	Standard
CT-880-82120	5/16-18 x 7/8	1-1/8	.875-1.062	Washer Head
CT-880-82501	5/16-18 x 3/4	1"	.785-.870	Encapsulated-Gray
CT-883-80113	5/16-18 x 7/8	1"	.885-1.095	Encapsulated-Gray
CT-880-82920	5/16-18 x 1"	1"	.812-.937	Encapsulated-Gray
CT-883-80502	5/16-18 x 3/4	1"	.785-.870	Encapsulated-White
CT-880-82922	5/16-18 x 1	1"	.778-1.230	Encapsulated-White

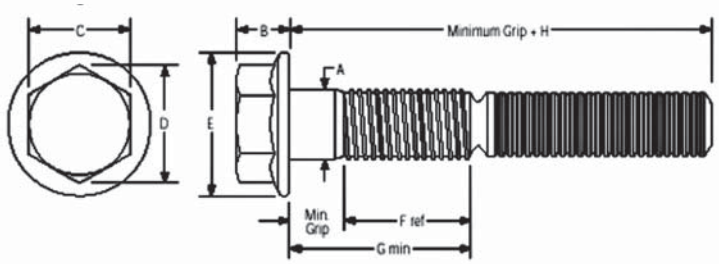
CAMTAINER® NUTS

Part Number	Size	Head Diameter	Grip Length Using 1/2" Long Nut	Head Style
CT-890-59000	5/16-18 x 3/8	1"	T55	Standard
CT-890-60008	5/16-18 x 1/2	1"	T55	Standard
CT-890-60050	5/16-18 x 5/8	1"	T55	Standard
CT-890-60020	5/16-18 x 1/2	5/8	T50	Small

HP8® POWERBOLT™

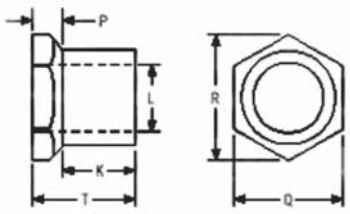
HUCK's original Grade 8 fastening system, the HP8® Powerbolt®, provides an easy-to-use system that delivers a permanent, vibration resistant clamp. These fasteners, available in diameters ranging from 1/2" to 3/4", offer fast, tamper-resistant installation, with only a visual inspection required.





POWERBOLTS

Part Number	Diameter	Grip Range	A	B	C	D
HP8F-DT16-8	1/2"	.250-.750	1.625	3.550	.307	1.07
HP8F-DT16-12	1/2"	.550-1.00	1.875	3.800	.307	1.07
HP8F-DT16-16	1/2"	.750-1.25	2.125	4.050	.307	1.07
HP8F-DT16-20	1/2"	1.00-1.50	2.375	4.300	.307	1.07
HP8F-DT16-28	1/2"	1.50-2.00	2.875	4.800	.307	1.07
HP8F-DT16-36	1/2"	2.00-2.50	3.375	5.300	.307	1.07
HP8F-DT16-44	1/2"	2.50-3.00	3.875	5.800	.307	1.07
HP8F-DT20-8	5/8"	.250-.750	1.820	4.038	.498	1.330
HP8F-DT20-12	5/8"	.500-1.00	2.070	4.288	.498	1.330
HP8F-DT20-16	5/8"	.750-1.25	2.320	4.538	.498	1.330
HP8F-DT20-20	5/8"	1.00-1.50	2.570	4.788	.498	1.330
HP8F-DT20-28	5/8"	1.50-2.00	3.070	5.288	.498	1.330
HP8F-DT20-36	5/8"	2.00-2.50	3.570	5.788	.498	1.330
HP8F-DT20-44	5/8"	2.50-3.00	4.070	6.288	.498	1.330
HP8F-DT24-8	3/4"	.250-.750	2.000	4.640	.600	1.590
HP8F-DT24-12	3/4"	.500-1.00	2.250	4.890	.600	1.590
HP8F-DT24-16	3/4"	.750-1.25	2.500	5.140	.600	1.590
HP8F-DT24-20	3/4"	1.00-1.50	2.750	5.390	.600	1.590
HP8F-DT24-28	3/4"	1.50-2.00	3.250	5.890	.600	1.590
HP8F-DT24-32	3/4"	1.75-.2.25	3.500	6.140	.600	1.590
HP8F-DT24-36	3/4"	2.00-2.50	3.750	6.390	.600	1.590
HP8F-DT24-44	3/4"	2.50-3.00	4.250	6.890	.600	1.590



COLLARS

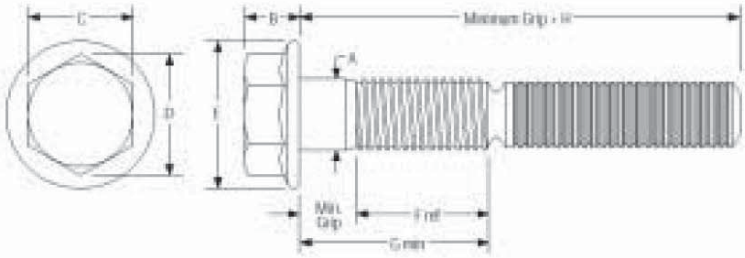
Part Number	Diameter	E	G	H	I
HPCF-R16U	1/2"	1.065	.750	.812	.519
HPCF-R20U	5/8"	1.340	.922	1.009	.645
HPCF-R24U	3/4"	1.572	1.107	1.213	7.80

RIVETS

METRIC HUCK-FIT® POWERBOLT™

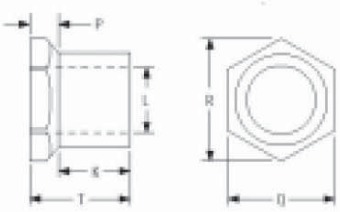
For use in OEM and aftermarket applications that require a metric fastener, the Metric Huck-Fit® PowerBolt™ fastening system includes a pin and collar with fit-up thread. This feature allows the Metric Huck-Fit® to be accurately positioned prior to fastening. The Metric Huck-Fit® fasteners are also removable, using an impact wrench.





POWERBOLTS

Part Number	Diameter	Grip Range(mm)	A	B max	C max	D ref	E max
MHFF-DT12-10	12mm	5-15	11,73-12,00	11,9	15	16,3	24,7
MHFF-DT12-15	12mm	10-20	11,73-12,00	11,9	15	16,3	24,7
MHFF-DT12-20	12mm	15-25	11,73-12,00	11,9	15	16,3	24,7
MHFF-DT12-25	12mm	20-30	11,73-12,00	11,9	15	16,3	24,7
MHFF-DT12-30	12mm	25-35	11,73-12,00	11,9	15	16,3	24,7
MHFF-DT12-35	12mm	30-40	11,73-12,00	11,9	15	16,3	24,7
MHFF-DT12-40	12mm	35-45	11,73-12,00	11,9	15	16,3	24,7
MHFF-DT16-10	16mm	5-15	15,73-16,00	15,1	21	22.9	32,8
MHFF-DT16-15	16mm	10-20	15,73-16,00	15,1	21	22.9	32,8
MHFF-DT16-17	16mm	10-24	15,73-16,00	15,1	21	22.9	32,8
MHFF-DT16-20	16mm	15-25	15,73-16,00	15,1	21	22.9	32,8
MHFF-DT16-25	16mm	20-30	15,73-16,00	15,1	21	22.9	32,8
MHFF-DT16-30	16mm	25-35	15,73-16,00	15,1	21	22.9	32,8
MHFF-DT16-35	16mm	30-40	15,73-16,00	15,1	21	22.9	32,8
MHFF-DT16-40	16mm	35-45	15,73-16,00	15,1	21	22.9	32,8
MHFF-DT16-45	16mm	40-50	15,73-16,00	15,1	21	22.9	32,8
MHFF-DT16-50	16mm	45-55	15,73-16,00	15,1	21	22.9	32,8
MHFF-DT20-20	20mm	15-25	19,67-20,00	17,7	30	32,7	43,0
MHFF-DT20-25	20mm	20-30	19,67-20,00	17,7	30	32,7	43,0
MHFF-DT20-30	20mm	25-35	19,67-20,00	17,7	30	32,7	43,0
MHFF-DT20-35	20mm	30-40	19,67-20,00	17,7	30	32,7	43,0
MHFF-DT20-40	20mm	35-45	19,67-20,00	17,7	30	32,7	43,0
MHFF-DT20-45	20mm	40-50	19,67-20,00	17,7	30	32,7	43,0
MHFF-DT20-50	20mm	45-55	19,67-20,00	17,7	30	32,7	43,0



COLLARS

Part Number	Diameter	K	L	P ref	Q max	R ref	T
MHCH-R12U	12mm	15,6	12,3	7,1	21,6	23,1	22,6
MHCH-R16U	16mm	20,1	16,5	8,9	29,6	31,9	28,6
MHCH-R20U	20mm	24,0	20,3	10,7	34,3	37,9	34,3

RIVETS

POP® RIVET TOOLS



MODEL PRG510A-PLUS

Capacity	Maintenance
Applications	3/16" alum. blind rivets
Stroke	? in
Weight	4 lbs
Air Pressure	85 psi
Air Consump.	0.007 cf/rivet
Pull Capacity	? lbs



MODEL PRG540

Capacity	Production/maintenance
Applications	1/4" blind rivets
Stroke	? in
Weight	4.85 lbs
Air Pressure	85 psi
Air Consump.	0.022 cf/rivet
Pull Capacity	? lbs



MODEL MCS5200*

Capacity	Production/maintenance
Applications	3/16" blind rivets
Stroke	? in
Weight	3.1 lbs
Air Pressure	85 psi
Air Consump.	0.011 cf/rivet
Pull Capacity	? lbs

*Available without vacuum collection system as MODEL PRT5200



MODEL MCS5400LS*

Capacity	Production/maintenance
Applications	3/16" blind rivets
Stroke	.630 in
Weight	6.42 lbs
Air Pressure	78-85 psi
Air Consump.	0.088 cf/rivet
Pull Capacity	1760

*Available without vacuum collection system as MODEL PRT5200

LOBSTER TOOLING



MODEL AR2000M

Capacity	Production/maintenance
Applications	3/16" blind rivets
Stroke	.625 in
Weight	2.65 lbs
Air Pressure	71-85 psi
Air Consump.	0.069 cf/rivet
Pull Capacity	1804 lbs



MODEL AR2000H

Capacity	Production/maintenance
Applications	1/4" blind rivets
Stroke	.719 in
Weight	3.53 lbs
Air Pressure	71-85 psi
Air Consump.	0.127 cf/rivet
Pull Capacity	2750 lbs



MODEL AR021EX

Capacity	Production/maintenance
Applications	1/4" blind structural rivets
Stroke	1.024 in
Weight	6.42 lbs
Air Pressure	85-92 psi
Air Consump.	0.162 cf/rivet
Pull Capacity	3190 lbs



MODEL ARV015M

Capacity	Production/maintenance
Applications	3/16" blind rivets
Stroke	.630 in
Weight	6.42 lbs
Air Pressure	78-85 psi
Air Consump.	0.088 cf/rivet
Pull Capacity	1760 lbs

RIVETS

HUCK FASTENERS TOOLING



MODEL HT202

Capacity	Production/maintenance
Applications	1/4" blind rivets
Stroke	.743 in (19.1 mm)
Weight	(without nose assembly) 5.1 lbs (2.3 kg)
Air Pressure	90 psi (620 kpa)
Air Consump.	6 CFM (0.003 m3/s)
Pull Capacity	3889 lbs (17.3 kN)
Speed/Cycle	30 per minute
Noise Level	75 dba @ 90 psi



MODEL HT2025

Capacity	Production/maintenance
Applications	1/4" blind bolts / rivets
Stroke	.675 in (17.1 mm)
Weight	(without nose assembly) 5.75 lbs (2.6 kg)
Air Pressure	90-110 psi (620-758 kpa)
Air Consump.	6 CFM (0.003 m3/s)
Pull Capacity	5290 lbs (17.3 kN)
Speed/Cycle	30 per minute
Noise Level	75 dba @ 90 psi



MODEL HT246

Capacity	Production
Applications	1/4" blind rivets / 3/8" lockbolts
Stroke	.875 in (22.2 mm)
Weight	(without nose assembly) 11.1 lbs (5 kg)
Air Pressure	90-100 psi (620-690 kpa)
Air Consump.	30 CFM (0.014 m3/s)
Pull Capacity	9986 lbs (44.4 kN)
Speed/Cycle	30 per minute
Noise Level	85 dba @ 90 psi



MODEL HT2620

Capacity	Production
Applications	1/2" blind rivets 1/2" lockbolts
Stroke	1.437 in (36.5 mm)
Weight	(without nose assembly) 9.88 lbs (4.5 kg)
Pull Pressure	7400 psi (510.3 bar)
Return Pressure	3200 psi (510.3 bar)
Pull Capacity	17,745 lbs (78.9 kN)



MODEL HT2624

Capacity	Production
Applications	5/8" blind bolts 5/8" lockbolts
Stroke	1.687 in (42.8 mm)
Weight	(without nose assembly) 14 lbs (6.4 kg)
Pull Pressure	7400 psi (510.3 bar)
Return Pressure	3200 psi (510.3 bar)
Pull Capacity	30,356745 lbs (135.0 kN)



MODEL HT2628

Capacity	Production
Applications	3/4" blind bolts 3/4" lockbolts
Stroke	1.812 in (19.1 mm)
Weight	(without nose assembly) 16.5 lbs (2.3 kg)
Pull Pressure	7400 psi (510.3 bar)
Return Pressure	3200 psi (220.7 bar)
Pull Capacity	39,858 lbs (177 kN)



MODEL HT940

Power	115v or 220v Single Phase
Dry Weight	66 lbs
Oper. Weight	74.5 lbs
Dimensions	13.9L x 18.5h x 16.1win
Flow rate	0.5 GPM (2.0L/min)
Fluid capacity	1.5 gal
Ambient Temp.	0°F min - 150°F max

RIVETS

MASTER BLIND RIVET ASSORTMENT

- Available either all aluminum, or aluminum and steel.
- Regular and large flange dome head.
- 3/32", 1/8", 5/32", 3/16" rivet diameters.
- Grip ranges up to 1/2", also includes 1/8", 5/32", 3/16" back-up support washers, and 1/8" countersunk rivets.



- All Aluminum -
Part No. 501096
935 pieces • 21 items • 12017 steel tray

52615	AD43ABS	AD66ABS	AD62ABS	AD44ABSLF
52623	AD45ABS	AD68ABS	AD64ABS	
52624	AD52ABS	AD42ABS	AD66ABSLF	
AD32ABS	AD54ABS	AD44ABS	AD68ABSLF	
AD41ABS	AD56ABS	AK42ABS	AD42ABSLF	

Numbers in assortment



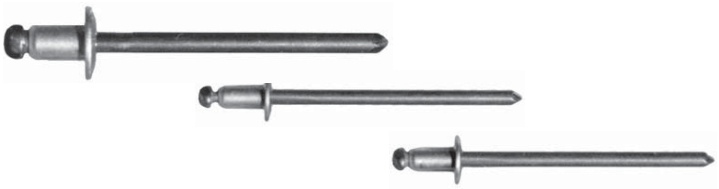
- Aluminum & Steel -
Part No. 501083
935 pieces • 24 items • 12017 steel tray

52615	SD43BS	SD66BS	SK42BS	AD66ABSLF
52623	AD54BS	AD68BS	SD63BS	AD68ABSLF
52624	SD52BS	SD68BS	AD62ABS	SD42BSLF
SD32BS	SD54BS	SD42BS	SD64BS	SD44BSF
SD41BS	SD56BS	SD44BS	AD64ABS	

Numbers in assortment

BASIC BLIND RIVET ASSORTMENT/ WITH TOOL

- 15 popular sizes of steel and aluminum rivets.
- Three large flange numbers provide grip range up to 5/8".
- 3/32", 1/8", 5/32", 3/16" rivet diameters.
- Professional quality rivet gun, Part No. 52601, included with steel tray assortment.





Part No. 501057
1200 pieces • 16 items
12056 steel tray

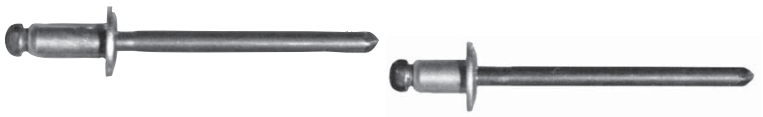
52601	AD44ABS	AK44ABS	AD64ABS
SD42BS	SK42BS	SD63BS	AD66ABSLF
AD42ABS	AK42ABS	AD62ABS	AD68ABSLF
SD44BS	SK44BS	SD64BS	AD610ABSLF

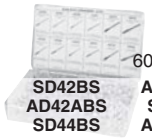
Numbers in assortment

SHOP BLIND RIVET ASSORTMENT

- 6 popular sizes of steel and aluminum rivets.

DOES NOT CONTAIN LARGE FLANGE RIVETS.





- Aluminum & Steel -
Part No. 52701
600 pieces • 12 items • 12038 plastic tray

SD42BS	AD44ABS	SK44BS	AD62ABS
AD42ABS	SK42BS	AK44ABS	SD64BS
SD44BS	AK42ABS	SD63BS	AD64ABS

Numbers in assortment

BACK-UP WASHERS

PART NUMBER	MATERIAL	HOLE SIZE	DIA.	QTY
52617	Steel	3/32	1/2 Sq.	200
52618	Steel	1/8	1/2 Sq.	200
52619	Steel	5/32	1/2 Sq.	200
52620	Steel	3/16	1/2 Sq.	200
52621	Steel	1/8	3/8 Rd.	200
52622	Steel	3/16	1/2 Rd.	200
52623	Alum.	1/8	3/8 Rd.	200
52624	Alum.	5/32	7/16 Rd.	200
52615	Alum.	3/16	1/2 Rd.	200

- All back-up washers are .063" thick steel or aluminum.
- Can be used when fastening soft materials or to compensate for over size holes where access to both sides of the work is possible.





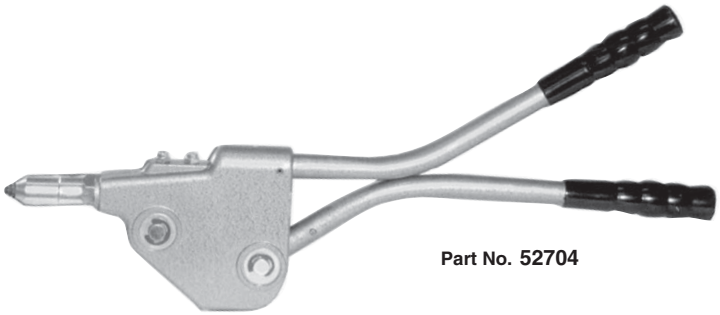
A19

RIVETS

HEAVY DUTY RIVETER

Sets 1/4", 3/16" (Stainless Steel) and all special body shop rivets.

- **Extra nosepieces are conveniently stored in holes on tool body.**
- **Heavy duty tool features steel threads and light weight aluminum body.**
- **Sets 1/8" through 1/4" rivets including special door, window regulator and glass stop rivets.**
- **Long handles and gear reduction system easily set even 1/4" all steel rivets.**
- **Includes 5/32", 3/16" and 1/4" rivet nosepieces.**
- **Order optional nosepieces for special body rivets and monobolts from chart.**



Part No. 52704

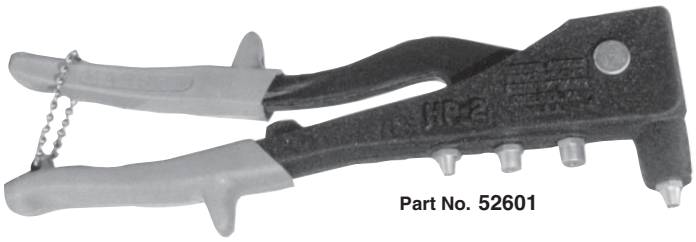
NOSEPIECES

PART NUMBER	SIZE (INCHES)
52607	1/8
52608	5/32
52609	3/16
52610	1/4

JAWS
Part No. 52611
1-SET

INDUSTRIAL RIVET GUN

- **The most advanced industrial hand riveter.**
- **Contains four nosepieces for 3/32", 1/8", 5/32" and 3/16" diameter rivets.**



Part No. 52601

WILL NOT SET 3/16" STAINLESS RIVETS

NOSEPIECES

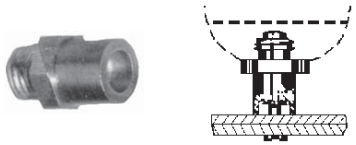
PART NUMBER	SIZE (INCHES)
52602	3/32
52603	1/8
52604	5/32
52605	3/16

JAWS
Part No. 52606
1-SET

SPECIAL MANDRELS (NOSEPIECES)

Required to install certain trim, door, window regulator and glass stop rivets; monobolt structural rivets.

SPECIAL RIVET TYPE	SPECIAL RIVET PIN	RIVET GUN APPLICATIONS	PART SPECIAL MANDREL
Trim Rivets	**52612**	Snapo-Model 404 B (4001)	**52718**
	52613		
	52721	Part No. 52601 (5/16"-24 Thread) Marson-HP-2 (39000) Snapo-Model 202 B (4003)	**52719**
Window Regulator, Glass Stop, And Door Split Rivets	**52727**	Part No. 52704 Marson-HP-5 Big Daddy (39010) Snapo-04024 Richline-04012 (model HN-80)	
	52729		
	52791		**52797**
Monobolt 3/16	**52750**		**52798**
	52751		**52798**
	52753		**52798**
	52754		**52798**
Monobolt 1/4	**52752**		**52799**
	52755		**52799**
	52756		**52799**
Klamp-Tite Rivet 3/16	**507315**		**507311**
	507316		**507311**
	507317		**507311**
Klamp-Tite Rivet 1/4	**507318**		**507312**
	507319		**507312**









RIVET INTERCHANGE

OLD NO.	NEW NO.
52625	AD32ABS
52626	AD32BS
52627	SD32BS
52628	AD34BS
52629	AD42BS
52630	SD34BS
52631	AD41ABS
52632	AD41BS
52633	SD41BS
52634	N/A
52635	SSD42SSBS
52636	N/A
52637	N/A
52638	AD43ABS
52639	AD43BS
52640	SD43BS
52641	SSD43SSBS
52642	N/A
52643	N/A
52644	SSD44SSBS
52645	N/A
52646	AD45ABS
52647	AD45BS
52648	SD45BS
52649	AD46ABS
52650	AD46BS
52651	SD46BS
52652	AD44BS
52653	N/A
52654	N/A
52655	AD48ABS
52656	AD48BS
52657	SD48BS
52658	AD52ABS
52659	AD52BS
52660	SD52BS
52661	N/A
52662	N/A
52663	AD54ABS
52664	AD54BS
52665	SD54BS
52666	N/A
52667	N/A
52668	N/A
52669	AD56ABS
52670	AD56BS
52671	SD56BS
52672	N/A
52673	N/A
52674	AD58ABS
52675	AD58BS
52676	N/A
52677	N/A
52678	AD62BS
52679	SSD62SSBS
52680	N/A
52681	AD64BS
52682	SSD64SSBS
52683	N/A
52684	AD66ABS
52685	AD66BS
52686	SD66BS
52687	SSD66SSBS
52688	N/A
52689	AD68ABS
52690	AD68BS
52691	SD68BS
52692	SSD68SSBS
52693	N/A
52694	AD610ABS
52695	AD610BS
52696	SD610BS
52697	AD612ABS
52698	AD612BS
52699	SD612BS
52705	SD42BS
52706	AD42ABS
52707	SD44BS
52708	AD44ABS
52709	SK42BS
52710	AK42ABS
52711	SK44BS
52712	N/A
52713	SD62BS
52714	AD62ABS
52715	SD64BS
52716	AD64ABS
52720	AD34ABS
52724	AD66ABSLF
52725	AD68ABSLF
52726	AD610ABSLF
52731	AD84BS
52731	SD84BS
52733	AD86BS
52733	SD86BS
52735	AD88BS
52735	SD88BS
52737	AD812BS
52737	SD812BS
52738	AD64ABSLF
52739	N/A
52740	AK43BS
52741	AD86ABS
52746	N/A
52747	N/A
52748	N/A
52749	N/A
52750	MGLP-B6-4
52751	MGLP-B6-7
52752	MGLP-B8-6
52753	MGLP-R6-4
52754	MGLP-R6-E
52755	MGLP-R8-6
52756	MGLP-R8-E
52760	1691-0410
52761	1691-0414
52762	1691-0512
52763	N/A
52764	N/A
52765	1692-0613
52766	1692-0621
52767	1692-0631
52768	1691-0613
52769	1691-0619
52770	AD42ABSLF
52772	SD42BSLF
52773	AD44ABSLF
52774	AD44BSLF
52775	SD44BSLF
52777	SD64BSLF
52778	AD66BSLF
52779	SD66BSLF
52780	AD68BSLF
52781	AD42BSLF
52781	SD68BSLF
52782	AD610BSLF
52783	SD610BSLF
52784	AD612ABSLF
52785	AD612BSLF
52786	SD612BSLF
52787	AK42BS
52788	N/A
52789	N/A
52790	AK44BS
52792	N/A
52793	N/A
507150	SO-38-206-02-16
507151	SO-38-206-04-16
507152	SO-38-206-06-16
507153	SO-38-206-08-16
507154	SO-38-206-10-16
507155	SO-38-206-12-16
507156	SO-38-208-04-16
507157	SO-38-208-06-16
507158	SO-38-208-08-16
507159	SO-38-208-10-16
507160	SO-38-208-12-16
507161	SO-38-208-16-16
507175	SO-38-106-02-16
507176	SO-38-106-04-16
507177	SO-38-106-06-16
507178	SO-38-106-08-16
507179	SO-38-106-10-16
507180	SO-38-106-12-16
507181	SO-38-108-04-16
507182	SO-38-108-06-16
507183	SO-38-108-08-16
507184	SO-38-108-10-16
507185	SO-38-108-12-16
507186	SO-38-108-16-16
507190	SO-10-13-706-13
507191	SO-10-14-706-13
507302	701-103
507304	701-105
507305	701-106
507306	701-107
507307	704-103
507308	704-105
507309	704-106
507310	704-107
507311	N/A
507312	N/A
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507321	RV6606-0606W
507322	RV6606-0608W
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A SECTION FASTENERS & HARDWARE

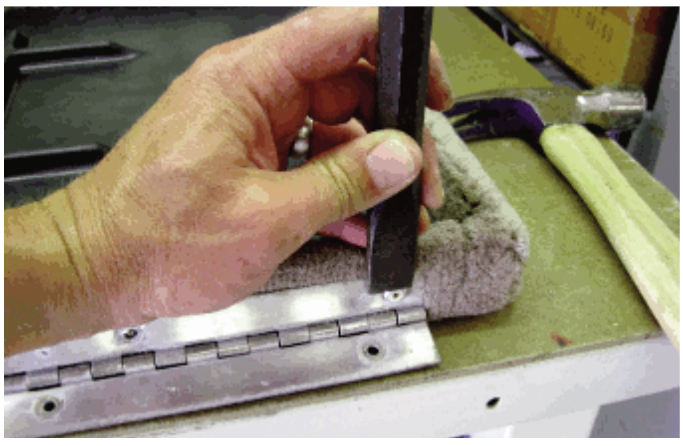


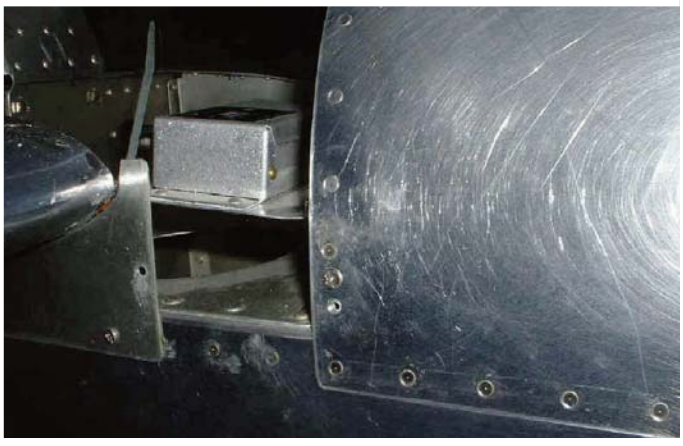












A19-27 PIX PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.

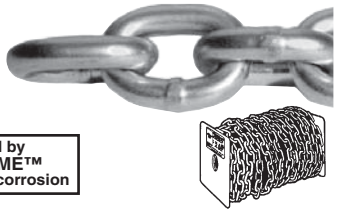
CHAIN

SYSTEM 3 — PROOF COIL CHAIN

Excellent general purpose chain of standard commercial quality for all applications not requiring high strength-to-weight ratios. Frequently used to fabricate tow chains, binding or tie-down chain and logging chain.

DO NOT USE FOR OVERHEAD LIFTING

Protected by BLU-KROME™ against rust & corrosion



- **Low carbon steel.**

SIZE	PART NUMBER	FEET PER REEL	WORKING LOAD LIMIT LBS. †	WEIGHT SIZE
3/16	**407201**	100	750	42
1/4	**407202**	65	1250	50
5/16	***407203**	60	1900	61
3/8	***407204**	35	2650	67

SYSTEM 4 — HIGH TEST CHAIN

Designed for use in load binding, towing, logging and other applications requiring higher strength-to-weight ratios than System 3.

DO NOT USE FOR OVERHEAD LIFTING



- **Meets DOT regulations.**

PAILS - SHOT PEENED (BRIGHT)

SIZE	PART NUMBER	FEET PER PAIL	WORKING LOAD LIMIT LBS. †	WEIGHT
1/4	***407306**	150	2600	98
5/16	***407307**	100	3900	105
3/8	***407308**	75	5400	120

SYSTEM 7 — TRANSPORT CHAIN

Designed for use in load binding, towing, logging and many applications requiring higher strength-to-weight ratios than System 4.

DO NOT USE FOR OVERHEAD LIFTING

Protected by YELLOW CHROMATE™ against rust & corrosion



- **Special high strength, heat treated steel.**
- **Meets stringent DOT regulations with smaller chain, meaning less weight and easier to handle.**
- **Cannot be cut with ordinary chain cutter. Use torch or abrasive cut-off wheel.**



HALF DRUM

SIZE	PART NUMBER	FEET PER 1/2 DRUM	WORKING LOAD LIMIT LBS. †	WEIGHT SIZE
1/4	***407309**	400	3150	288
5/16	***407310**	275	4700	306
3/8	***407311**	200	6600	284
1/2	***407312**	100	11300	238



PAILS

SIZE	PART NUMBER	FEET PER PAIL	WORKING LOAD LIMIT LBS. †	WEIGHT
1/4	***407313**	150	3150	111
5/16	***407314**	100	4700	114
3/8	***407315**	75	6600	110

STRAIGHT LINK MACHINE CHAIN

General utility, farm.

DO NOT USE FOR OVERHEAD LIFTING

- **Low carbon steel.**
- **Packed 100 ft per box.**

Protected by BLU-KROME™ against rust & corrosion



TRADE	PART NUMBER	WORKING LOAD LIMIT LBS. †
4	**407323**	215
3	**407324**	270
2	**407325**	325
1	**407326**	390
1/0	**407327**	465
2/0	**407328**	545
3/0	**407329**	635
4/0	**407330**	700
5/0	**407331**	925

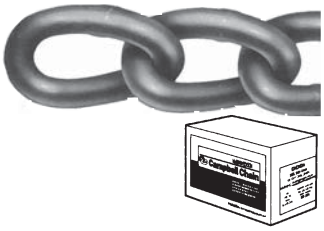
TWIST LINK MACHINE CHAIN

General utility, farm.

DO NOT USE FOR OVERHEAD LIFTING

- **Low carbon steel.**
- **Packed 100 ft per box.**
- **Links twisted 90°.**

Protected by BLU-KROME™ against rust & corrosion



TRADE	PART NUMBER	WORKING LOAD LIMIT LBS. †
3	**407333**	255
2	**407334**	310
1/0	**407336**	440
2/0	**407337**	520
4/0	**407339**	670
5/0	**407340**	880

HEEL COIL CHAIN

Farm, animal, general utility, where long wide links are required.

DO NOT USE FOR OVERHEAD LIFTING

- **Low carbon steel, bright finish.**
- **Wider & longer links minimize kinking.**
- **Packed 100 ft per carton.**



TRADE	PART NUMBER	WORKING LOAD LIMIT LBS. †
130	****407343**	1350

*** Must be shipped motor freight.** **** To be deleted when stock is depleted.**

† **WARNING:** **Do not exceed working load limit**

A20

CHAIN

PASSING LINK CHAIN

TRADE SIZE	FINISH	PART NUMBER	WORKING LOAD LIMIT LBS. †
2/0	Galvanized	**407341**	450
4/0	Blu-Krome	**407342**	600





Farm equipment, animal restrictions, general purpose use.

DO NOT USE FOR OVERHEAD LIFTING.

- **Low carbon steel.**
- **Wide link design permits links to pass one another freely, minimizing kinking and tangling.**
- **Packed 100 ft per carton.**

JACK CHAIN

TRADE SIZE	PART NUMBER	WORKING LOAD LIMIT LBS. †
16	**407347**	10
14	**407348**	16
12	**407349**	29
10	**407350**	43
8	**407351**	60

Protected by BLU-KROME™ against rust & corrosion





Fixtures, novelty, general utility use not requiring high strength.

DO NOT USE FOR OVERHEAD LIFTING.

- **Low carbon steel.**
- **Packed 100 ft per carton.**

LOCK LINK, SINGLE LOOP CHAIN

TRADE SIZE	PART NUMBER	WORKING LOAD LIMIT LBS. †
2*	**407353**	155
1/0	**407354**	265
2/0	**407355**	340
3/0	**407356**	405
4/0	**407357**	485
5/0	**407358**	580

Protected by BLU-KROME™ against rust & corrosion





Sprocket wheel (sheared type), valve wheel chains, overhead door chains, ventilator chains, machinery chains, general utility.

DO NOT USE FOR OVERHEAD LIFTING.

- **Low carbon steel.**
- **Links are single loop weldless with wrapped or sheared ends.**
- **Packed 100 ft per carton.**

INCO DOUBLE LOOP CHAIN

TRADE SIZE	FINISH	PART NUMBER	WORKING LOAD LIMIT LBS. †
5	Blu-Krome	**407359**	55
4	Blu-Krome	**407360**	70
3	Blu-Krome	**407361**	90
2	Blu-Krome	**407362**	115
1	Blu-Krome	**407363**	155
1/0	Galvanized	**407364**	200
2/0	Blu-Krome	**407365**	255
4/0	Galvanized	**407367**	365
8/0	Galvanized	**407368**	705





Gymnasium and playground equipment, farm and animal chains, boat chains, gate chains, general purpose applications

DO NOT USE FOR OVERHEAD LIFTING.

- **Low carbon steel.**
- **Playground equipment association has adopted 1/0 inco chain as the minimum size chain for swing sets.**
- **Packed 100 ft per carton.**

SASH CHAIN

TRADE SIZE	PART NUMBER	WORKING LOAD LIMIT LBS. †
8	**407369**	75
25	**407370**	94
30	**407371**	81
35	**407372**	106
40	**407373**	131
45	**407374**	175
50	**407375**	225

Protected by BLU-KROME™ against rust & corrosion





Counter-balance chain for double hung window sashes, arc lamp chain, animal chain. Suitable for applications requiring flat metal chain operating over pulleys.

DO NOT USE FOR OVERHEAD LIFTING.

- **Low carbon steel.**
- **Flat stamped links.**
- **Packed 100 ft per carton.**
- **Sizes 30, 35 and 40 are also known as sizes 2, 3 and 4 Navy chain.**

BRASS SAFETY (PLUMBERS) CHAIN

TRADE SIZE	PART NUMBER	WORKING LOAD LIMIT LBS. †
2/0	**407376**	23
1/0	**407377**	35
1	**407378**	45





Specifically for plumbing fixtures. Suitable for many applicationsrequiring light flat metal chain.

DO NOT USE FOR OVERHEAD LIFTING.

- **Brass construction.**
- **Flat stamped links.**
- **Bright finish.**
- **Packed 100 ft per carton.**

A20

† **WARNING:** Do not exceed working load limit

CHAIN & ASSEMBLIES and CABLE ACCESSORIES

STAINLESS STEEL CHAIN

- 316L stainless steel.
- Extremely corrosive resistant.
- Inhibits pitting caused by chlorides.
- Withstands corrosion attack by sodium and calcium brines, hypochlorite solutions, phosphoric acid, sulfite liquors and sulfurous acids.
- Order exact length needed.
- Priced per foot.
- Orders 70 lbs. and over must be shipped motor freight.

Food processing, chemical and marine applications. Use where non-magnetic, electrically welded, corrosion resistant chain is required.

DO NOT USE FOR OVERHEAD LIFTING



TRADE	PART NUMBER	WORKING LOAD LIMIT LBS. †
1/8	**407379**	410
9/32	**407381**	2000
5/16	**407382**	2400
3/8	**407383**	3550

BINDER CHAINS

- Meet latest DOT regulations.
- Chain is System 7 transport.
- Supplied with clevis grab hooks attached.
- Light weight chain with higher working load limits.
- 20 feet long.

Protected by YELLOW CHROMATE™ against rust & corrosion



Tying down trailer loads

DO NOT USE FOR OVERHEAD LIFTING

TRADE	PART NUMBER	WORKING LOAD LIMIT LBS. †
5/16	**407229**	4700
3/8	**407230**	6600

TOW CHAIN

- System 7 transport chain.
- Supplied with forged hooks.
- 16 feet long.

Protected by YELLOW CHROMATE™ against rust & corrosion



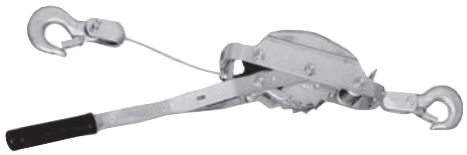
Towing, hauling, dragging.

DO NOT USE FOR OVERHEAD LIFTING

CHAIN SIZE	PART NUMBER	WORKING LOAD LIMIT (LBS.) †
5/16	**407226**	4700

CABLE PULLER

- Double drive ratchet wheels.
- Easy let-down releases.
- Cable is 3/16" galvanized aircraft type.
- Built-in safety handle is designed to bend if working limit is exceeded.
- Safety latches on both hooks.
- 1500 LBS. WORKING LOAD LIMIT. †
- 10-1/2 foot draw.
- Do not use to lift people, or loads over people.
- 3/4 ton lift, 1-1/2 ton pull cable puller.



Part No. 407209

LOAD BINDERS

E-Z RATCHET STYLE

Part No. 407211 - 5/16 Transport Chain & 3/8 High Test Chain

Part No. 407210 - 3/8 Transport Chain & 1/2 High Test Chain

- Alloy steel hooks, heat treated.
- Forged pawl for extra strength at ratchet wheel.
- Oversized steel links, resistance welded.
- Forged high strength eyebolts.
- Continuous take-up with safety and ease.
- 5400 LBS. WORKING LOAD LIMIT on 407211. †
- 9200 LBS. WORKING LOAD LIMIT on 407210. †



STANDARD LEVER STYLE (Forged)

Part No. 407212 - 5/16 Transport Chain

Part No. 407213 - 1/4 Proof Coil & High Test Chain

- Alloy steel hooks, heat treated.
- Knuckle saving handle design.
- Oversized steel links, resistance welded.
- High strength steel shackle.
- Heat treated drop forged handle.
- Ball and socket hook assembly provides straight-line tension.
- 5400 LBS. WORKING LOAD LIMIT on 407212. †
- 2600 LBS. WORKING LOAD LIMIT on 407213. †

FIELD I.D. TAG

- Steel tags imprint with metal stamp.
- OSHA requires that all slings be permanently marked with grade, rate capacity and reach, and serial number.
- Categories prestamped.

For all size chain and slings.

1-1/16" hole I.D.
1-1/2" x 4-1/8" x 5/32"

Part No. 521325 10



A20

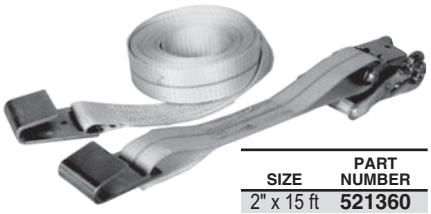
† **WARNING:** Do not exceed working load limit

LOAD HUGGERS, TOW ROPE and LINKS

LOAD HUGGERS

NYLON RATCHET ASSEMBLY

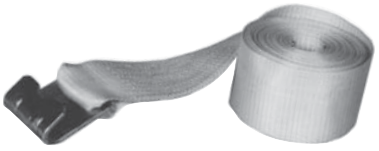
- 5000 lb. Capacity.
- Type ra1-602.
- Heavy duty ratchet action.
- 18" fixed ends with flat hooks.



SIZE	PART NUMBER
2" x 15 ft	521360
2" x 20 ft	521361
2" x 27 ft	521362

WINCH STYLE CARGO STRAP

- Plated flat hook with 15000 lbs. stress.
- 12000 lbs. California rated.
- 15000 lbs. breaking strength.
- 5000 lbs.working load.
- Heavy duty weather resistant polyester



4" x 27 ft.
Part No. 521357

WINCH

WELD ON
Part No. 521358



PORTABLE
Part No. 521359

TOW ROPE



These lightweight ropes and straps are easier to handle than chain. They will not rust, scratch or rattle; cannot be damaged by oil, gasoline, grease or weather; and stretch to absorb shock.

5/8" x 12-1/2 ft.
Part No. 315201

TYPE	BREAKING STRENGTH	ACCESSORIES
Braided Polypropylene	6500 lbs.	Slip hooks Protector grip

1-3/4" x 15 ft.
Part No. 315202

TYPE	BREAKING STRENGTH	ACCESSORIES
Braided Polypropyl	6500 lbs.	Slip hooks



CHAIN LINKS

OVAL SHAPE

CHAIN SIZE	PART NUMBER	QTY	WORKING LOAD LIMIT (LBS.) †
1/4	52138	2	1400
5/16	52139	2	2000
3/8	52140	2	2800
7/16	52141	2	3625
1/2	52142	2	4750
5/8	52143	1	7250
3/4	52144	1	10250
7/8	52243	1	12000
1	521244	1	15500
1-1/4	521245	1	24000



For temporary chain repair.

- Drop forged, heat treated carbon steel.
- Meet design requirements for Federal specification RR-C-271D Type II.
- No special tools required.
- Design factor: 4 to 1.

Protected by LUSTERPLATE™ against rust & corrosion



PEAR SHAPE

CHAIN SIZE	PART NUMBER	QTY	WORKING LOAD LIMIT (LBS.) †
3/8	521246	1	1850
1/2	521247	1	3300
5/8	521248	1	5000
3/4	521249	1	7100
7/8	521250	1	9600

MASTER LINKS

CHAIN SIZE	PART NUMBER	QTY	WORKING LOAD LIMIT (LBS.) †
3/4	521252*	1	9000

*This item will be discontinued when stock is depleted.



- Drop forged, alloy steel.
- Heat treated.
- Orange paint finish.

SECURITY COUPLING LINKS

CHAIN SIZE	PART NUMBER	QTY	WORKING LOAD LIMIT (LBS.) †
9/32	521237*	1	3500
3/4	521241*	1	28300

*This item will be discontinued when stock is depleted.



- Once attached; the link must be burned or cut off.
- Cannot be disassembled with punch and hammer.
- Self colored.

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† **WARNING:** Do not exceed working load limit

LINKS, CHAIN and WIRE ROPE HARDWARE

REPAIR AND LAP LINKS

For temporary chain repair and coupling of attachments.

- Low steel.

DO NOT USE FOR OVERHEAD LIFTING

Protected by BLU-KROME™ against rust & corrosion



SIZE	PART NUMBER	QTY	WORKING LOAD LIMIT (LBS.) †
1/8 x 3/4	**52224**	6	190
3/16 x 1	**52217**	6	240
1/4 x 1-1/4	**52218**	6	400
1/4 x 2	**52219**	6	400
5/16 x 1-1/2	**52220**	6	950
5/16 x 2*	**52227**	6	1000
3/8 x 1-5/8	**52221**	6	1250
3/8 x 2	**52228**	6	1250
1/2 x 2-1/2	**52222**	6	2125

COLD SHUT

For temporary chain repair and coupling of attachments.

- Mild steel.
- Use one size larger when used with chain.
- Do not reuse.

DO NOT USE FOR OVERHEAD LIFTING

Protected by BLU-KROME™ against rust & corrosion



SIZE	PART NUMBER	QTY	WORKING LOAD LIMIT (LBS.) †
3/16	**521242**	2	450
1/4	**52131**	2	750
5/16	**52132**	2	1250
3/8	**52133**	2	1900
7/16	**52134***	2	2650
1/2	**52135**	2	3500
5/8	**52136***	1	4500
3/4	**52137***	1	6900

***This item will be discontinued when stock is depleted.**

QUICK LINKS

Use as a repair link, connecting link, or attaching device.

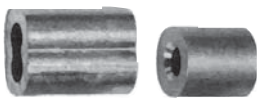
- Reusable
- Fast and easy-no tools needed.
- Nut screws into place.
- Threaded end diameter exceeds link diameter to prevent deformation or breakage of threads under stress.

Protected by LUSTERPLATE™ against rust & corrosion



SIZE	PART NUMBER	QTY	WORKING LOAD LIMIT (LBS.) †
1/8	**52211**	6	180
3/16	**52212**	6	750
1/4	**52213**	6	1250
5/16	**52214**	6	1900
3/8	**52215**	6	2650
1/2	**52216**	6	4500

ALUMINUM CABLE FERRULES & STOPS



CABLE SIZE	PART NUMBER	QTY
1/16	**521316***	5
3/32	**521317***	5
1/8	**521318***	5
3/16	**521319***	5
1/4	**521320***	5

*Set of (5) Ferrules & (5) Stops



Swage tool No. 2
Sizes 1/16 to 1/8

Part No. 521321



Swage tool No. 3
Sizes 1/8 to 1/4

Part No. 521322



18" Swage tool
Sizes 1/16 to 3/16

Part No. 521323

EYE AND EYE SWIVELS

- Drop forged carbon steel.
- Galvanized for additional corrosion resistance.
- Design factor 5 to 1.
- Meets federal spec. RR-C-271-Type VII Class 2.



SIZE	PART NUMBER	WORKING LOAD LIMIT (LBS.) †
1/4	**521277**	850
5/16	**521278**	1250
3/8	**521279**	2250
1/2	**521280**	3600
5/8	**521281**	5200
3/4	**521282**	7200
7/8	**521283**	10000
1	**521284**	12500
1-1/4	**521285**	18000

DOUBLE CLEVIS

Use with proof coil chain & high test chain.

- Forged, heat treated, tempered steel.
- Easy to install and remove.

Protected by BLU-KROME™ against rust & corrosion



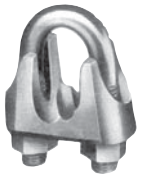
CHAIN SIZE	PART NUMBER	WORKING LOAD LIMIT (LBS.) †
1/4 or 5/16	**52179**	3900
3/8	**52180**	5400
7/16 or 1/2	**52181**	9200

WIRE ROPE CLIPS

MALLEABLE IRON

- Malleable iron casting meets ASTM A-47 specification.
- Clips meet specification FF-C-450, TYPE L, CLASS 2.
- Complete with hex nuts.

Protected by LUSTERPLATE™ against rust & corrosion



SIZE	PART NUMBER	QTY
1/8	**52145**	10
3/16	**52148**	10
1/4	**52149**	10
5/16	**52150**	10
3/8	**52151**	10
1/2	**52152**	2
5/8	**52153**	2
3/4	**52154**	1
7/8	**52155**	1
1	**52156**	1

FORGED CARBON STEEL

- Galvanized for added corrosion resistance.
- Meets specification FF-C-450,type I, class 1
- Complete with heavy hex nuts.



SIZE	PART NUMBER	QTY
1/8	**521232**	2
3/16	**521233**	2
1/4	**521234**	2
5/16	**521235**	2
3/8	**52157**	2
1/2	**52158**	2
5/8	**52159**	2
3/4	**52160**	1
7/8	**52161**	1
1	**52162**	1
1-1/8	**521236**	1

WIRE ROPE THIMBLES

- Made of hot rolled mild steel.
- Meets federal specification FF-T-276b, type II.
- Galvanized for added corrosion resistance.



SIZE	PART NUMBER	QTY
1/8	**52201**	6
3/16	**52202**	6
1/4	**52203**	6
5/16	**52204**	6
3/8	**52205**	6
1/2	**52206**	6
5/8	**52207**	6
3/4	**52208**	6
7/8	**52209**	6
1	**52210**	6

† **WARNING:** Do not exceed working load limit

WIRE ROPE, HDWE., CABLE ACC. and GRAB HOOKS

VINYL COATED WIRE ROPE (AIRCRAFT CABLE)

WIRE DIA.	COATED DIA.	CONST.	PART NUMBER	BREAKING STRENGTH (LBS.)
3/32	1/8	7 x 7	**407170**	920
1/8	3/16	7 x 7	**407171**	1700
3/16	1/4	7 x 19	**407172**	4200
1/4	5/16	7 x 19	**407173**	7000



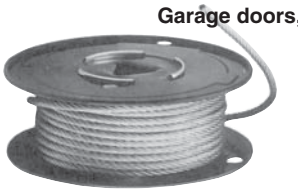
Garage doors, boats, farm, industry, construction, 1001 uses.

- 7 x 7 class - 7 strands. Contains 7 wires each - preformed.
- 7 x 19 class - 7 strands. Contains 19 wires each - preformed.
- Extra flexible - high quality.
- Galvanized to prevent rust.
- Vinyl coating is more resistant to abrasion and weathering.
- Easily cleaned.
- Sold by the foot - Custom cut to meet your requirements.

WIRE ROPE (AIRCRAFT CABLE)

DIA.	PART NUMBER	BREAKING STRENGTH (LBS.)
3/32	**407160**	1000
1/8	**407161**	2000
5/32	**407162**	2800
3/16	**407163**	4200
7/32	**407164**	5600

DIA.	PART NUMBER	BREAKING STRENGTH (LBS.)
1/4	**407165**	7000
9/32	**407166**	8000
5/16	**407167**	9800
3/8	**407168**	14400



Garage doors, boats, farm, industry, construction, 1001 uses.

- 7 x 19 class - 7 strands. Contains 19 wires each - preformed.
- Extra flexible - high quality.
- Galvanized to prevent rust.
- Sold by the foot - Custom cut to meet your requirements.

ANCHOR SHACKLES



- Bodies are drop forged carbon steel.
- Screw pins and round pins are alloy steel.

SCREW PIN

Meets Federal specification RR-C-271, TYPE IV, CLASS 1
Galvanized for added corrosion resistance.

SIZE	PART NUMBER	WORKING LOAD LIMIT (TONS)†
3/16	**521264**	1/3
1/4	**52192**	1/2
5/16	**52193**	3/4
3/8	**52194**	1
7/16	**52195**	1-1/2
1/2	**521265**	2
5/8	**521266**	3-1/4

SIZE	PART NUMBER	WORKING LOAD LIMIT (TONS)†
3/4	**52146**	4-3/4
7/8	**52147**	6-1/2
1	**521267**	8-1/2
1-1/8	**521268**	9-1/2
1-1/4	**521269**	12
1-1/2	**521270**	17

SLIP HOOKS

CLEVIS TYPE



- Drop forged steel.
- Heat treated carbon or alloy steel.
- Use clevis type w/high test or low test carbon chain.
- Eye type for use with low carbon chain only.
- NOT RECOMMENDED FOR OVERHEAD USE.

CHAIN SIZE	CARBON STEEL PART NUMBER	CARBON STEEL WORKING LOAD LIMIT † (LBS.)	ALLOY STEEL PART NUMBER	ALLOY STEEL WORKING LOAD LIMIT † (LBS.)
1/4	**52182**	2600	**521208***	4100
5/16	**52183**	3900	**521209***	5100
3/8	**52184**	5400	**521210***	7100
7/16	**---**	--	**521211**	10000
1/2	**52186**	9200	**521212**	13000
5/8	**521200**	11500	**521213**	20300

***Hooks have pre-drilled hole for latch kits on page A20-8.**

CLEVIS TYPE w/Latch



- Drop forged steel.
- Grade 43.
- Zinc plated.
- Designed to allow chain to slip through the hook.

CHAIN SIZE	MM	PART NUMBER (LBS.)	WORKING LOAD LIMIT † LB.	KG.
1/4	6	**521400**	2600	1179
5/16	8	**521401**	3900	1769
3/8	10	**521402**	5400	2449
1/2	13	**521403**	9200	4173

EYE TYPE



- Drop forged carbon or alloy steel.
- Meets design requirements for Federal specification RR-C-271.

CHAIN SIZE	PART NUMBER	WORKING LOAD LIMIT † (LBS.)
1/4	**521218**	4100
5/16	**521219**	5100
3/8	**521220**	7100
1/2	**521222**	12000

SNAP HOOKS W/ SAFETY LATCHES



- Heat treated drop forged carbon steel.
- Design factor 5 to 1.
- Used with proof coil chain.
- Galvanized for extra corrosion resistance.

HOOK SIZE	PART NUMBER	EYE SIZE	WORKING LOAD LIMIT (LBS.) †
7/16	**407216**	3/4	750
9/16	**407218**	1-1/8	1000

EYE HOIST HOOKS W/ SAFETY LATCH



- Heat treated drop forged alloy steel.
- Orange.
- Industry #24.
- Design factor 5 to 1.
- Used with proof coil chain.
- Working load limit 2 tons. †
- Suitable for overhead lifting.
- Eye size 1-1/8, hook size 1-1/32.

Part No. 407214

CLEVIS STYLE GRAB HOOK

CARBON STEEL



- Drop forged carbon steel.
- Not recommended for overhead use.

CHAIN SIZE	PART NUMBER	WORKING LOAD LIMIT † (LBS.)
1/4	**52121**	2600
5/16	**52122**	3900
3/8	**52123**	5400
1/2	**52125**	9200
5/8	**521216**	11500

ALLOY STEEL

Used with System 7 and 8 chain.



- Painted orange for easy identification.
- Stamped "ALLOY".

CHAIN SIZE	PART NUMBER	WORKING LOAD LIMIT † (LBS.)
1/4	**521225**	4100
5/16	**521226**	5100
3/8	**521227**	7100
7/16	**521228**	10000
1/2	**521229**	12000
5/8	**521230**	18100
3/4	**521231**	28300

A20

† **WARNING:** Do not exceed working load limit

TURNBUCKLES, EYE BOLTS and J-BOLTS

STEEL TURNBUCKLES

- Drop forged carbon steel.
- Galvanized for added corrosion resistance.

HOOK AND EYE

Meets Federal specifications FF-T-791, TYPE L, FORM L, CLASS 6



DIAMETER x TAKE-UP	PART NUMBER	WORKING LOAD LIMIT (LBS.)†
1/4 x 4	**521304**	400
5/16 x 4-1/2	**521305**	700
3/8 x 6	**521306**	1000
1/2 x 6	**521307**	1500
1/2 x 9	**521308**	1500
1/2 x 12	**521309**	1500

EYE AND EYE

Meets Federal specifications FF-T-791, TYPE L, FORM L, CLASS 4



DIAMETER x TAKE-UP	PART NUMBER	WORKING LOAD LIMIT (LBS.)†
5/16 x 4-1/2	**521287**	800
3/8 x 6	**521288**	1200
1/2 x 6	**521289**	2200
1/2 x 9	**521290**	2200
1/2 x 12	**521291**	2200
5/8 x 6	**521292**	3500
3/4 x 6	**521294**	5200

ALUMINUM TURNBUCKLES

- Aluminum bodies.
- Lusterplated steel hook and eyes.

HOOK AND EYE

Meets Federal specifications FF-T-791, TYPE L, FORM L, CLASS 6



DIAMETER x TAKE-UP	PART NUMBER	QTY
5/16 x 2-5/8	**521313**	5
3/8 x 3	**521314**	5
3/8 x 6	**521315**	5

LAG SCREW THREAD EYE BOLTS

- Gimlet point.
- Low carbon steel.



Protected by LUSTERPLATE™ against rust & corrosion

SIZE DIA. x LENGTH	PART NUMBER	QTY
3/16 x 3	**706628**	10
1/4 x 3-3/4	**706629**	10
1/4 x 5	**706630**	10
5/16 x 4	**706631**	10
5/16 x 5	**706632**	10
5/16 x 6	**706633**	10
3/8 x 4-1/2	**706634**	5
3/8 x 6	**706635**	5
3/8 x 8	**706636**	5
7/16 x 5-1/4	**706637**	5

SCREW EYES



TRADE SIZE	PART NUMBER	WIRE DIA. INCHES	OVERALL LENGTH INCHES	QTY
14	**521326**	.080	15/16	50
12	**521327**	.105	1-1/8	50
10	**521328**	.135	1-5/16	50
.158	**521329**	.158	1-9/16	50
6	**521330**	.192	1-13/16	25
4	**521331**	.225	2-1/16	25

FORGED EYE BOLTS

- Drop forged carbon steel.
- Galvanized for superior corrosion protection.
- USS coarse threads.



DIAMETER x TAKE-UP	PART NUMBER	WORKING LOAD LIMIT (LBS.)†	QTY
1/4-20 x 2	**706615**	550	2
1/4-20 x 4	**706616**	550	2
5/16-18 x 2-1/4	**706617**	850	2
5/16-18 x 4-1/4	**706618**	850	2
3/8-16 x 2-1/2	**706619**	1250	2
3/8-16 x 4-1/2	**706620**	1250	2
3/8-16 x 6	**706621**	1250	2
1/2-13 x 3-1/4	**706622**	2250	2
1/2-13 x 6	**706623**	2250	1
5/8-11 x 4	**706624**	3600	1
5/8-11 x 6	**706625**	3600	1
3/4-10 x 4-1/2	**706626**	5200	1
3/4-10 x 6	**706627**	5200	1

LIFTING EYE BOLTS

- 65000 psi minimum tensile strength.
- Meets ASTM A489 specs and ANSI B18.15.
- USS coarse threads.
- Heat treated C-1030 steel.
- DESIGNED FOR OVERHEAD LIFTING.

Protected by BLACK OXIDE FINISH™ against rust & corrosion



SIZE DIA. x LENGTH	PART NUMBER	RATED CAPACITY (LBS.)†	QTY
1/4 x 1	**706638**	500	2
5/16 x 1-1/8	**706639**	900	2
3/8 x 1-1/4	**706640**	1300	2
1/2 x 1-1/2	**706641**	2400	2
5/8 x 1-3/4	**706642**	4000	2
3/4 x 2	**706643**	5000	1
7/8 x 2-1/4	**706644**	7000	1
1 x 2-1/2	**706645**	9000	1

CAUTION: ANGULAR LIFTS SHOULD BE AVOIDED

BENT EYE BOLTS WITH HEX NUTS

- Low carbon steel.
- USS Coarse threads.



SIZE DIA. x LENGTH	PART NUMBER	QTY
1/4 x 2	**507120**	25
1/4 x 2-1/2	**507121**	25
1/4 x 3	**507122**	25
1/4 x 4	**507123**	25
5/16 x 3-1/4	**507124**	25
5/16 x 4	**507125**	25
5/16 x 5	**507128**	25
3/8 x 4	**507126**	25
3/8 x 6	**507127**	25

Sizes: 1/4" x 2" through 3/8" x 6"
Part No. 507005
27 pieces • 6 items
12047 plastic tray



507120 507123 507125
507122 507124 507126

Numbers in assortment

J-BOLTS WITH HEX NUTS

- Low carbon steel.
- USS Coarse threads.



SIZE DIAMETER x LENGTH	PART NUMBER	QTY
3/16 x 1-78	**706600**	10
7/32 x 2-1/8	**706601**	10
1/4 x 2-5/16	**706602**	10
1/4 x 4	**706603**	10
1/4 x 5	**706604**	10
1/4 x 6	**706605**	10
5/16 x 3	**706606**	10
5/16 x 5	**706608**	10
5/16 x 6	**706609**	10
5/16 x 7	**706610**	5
3/8 x 3-3/4	**706611**	10
3/8 x 5	**706612**	10
3/8 x 7	**706613**	5
1/2 x 6	**706614**	5

† **WARNING:** Do not exceed working load limit

A20

HOOKS, SNAPS and LATCH KITS

"INFINITY" S-HOOKS

More secure and easier to use than traditional"S" or "8"-hooks!

Connect chain, cable assemblies, & other components quickly and securely!

- Increases safety!
- Quick connector.
- Easy on & off.
- No tools needed.
- Secure.
- Tangle-free storage.
- Reusable.
- Save time & labor.

INFINITE POSSIBILITIES!!

PART NUMBER	WIRE DIAMETER (INCHES)	LENGTH (INCHES)	QTY
507119	.120	2.56	25



IT'S A SNAP

- Attach chain or other component
- "Snap" into place! Stays secure!
- "Snap" out to remove!



UNIVERSAL SAFETY LATCH KITS

Used on sling, eye, hoist and snap hooks.



- Universal kits fit Campbell as well as competitive hooks, including Crosby and Midland, that are drilled for latches.
- Spring spacer adapts latch to hooks with narrow cam.
- Bolt and nut permit fast, easy installation.

PART NUMBER	HOOK SIZE	INCH SIZE	QTY
521390	2-22	1/4	2
521391	3-23	5/16	2
521392	4-24	--	2
521393	5-25	3/8	2
521394	7-27	--	2

PART NUMBER	HOOK SIZE	INCH SIZE	QTY
521395	9-29	1/2	1
521396	11-31	5/8	1
521397	12-32	--	1
521398	34	--	1

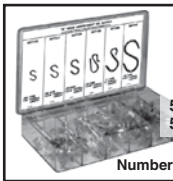
S HOOKS

- Low carbon steel.



* Style may vary. See picture in lidchart.

OVERALL LENGTH	PART NUMBER	WIRE DIA./GAUGE	QTY
3/4	**507129**	.091	25
7/8	**507135**	.093	25
1	**507130**	.120	25
1-1/16	**507136**	.080	25
1-3/32	**507137**	.105	25
1-1/4	**507131**	.148	25
1-5/16	**507138**	.120	25
1-1/2	**507132**	.177	25
1-9/16	**507139***	.135	25
1-3/4	**507133**	.192	25
2	**507140***	.177	25
2	**507134**	.250	25
2-1/4	**507142**	.250	25
2-1/2	**507143**	.307	25
2-3/4	**507141**	.188	25
3	**507148**	.307	10



Part No. 507004
105 pieces • 6 items
12047 plastic tray

507135	507138	507140
507137	507139	507141

Numbers in assortment

CEILING HOOKS

Light fixtures, suspended ceilings.
Used with wire rope, weldless chain, rubber rope, nylon rope.

- Low carbon steel wire.

TRADE SIZE	PART NUMBER	WIRE DIA. INCHES	OVERALL LENGTH INCHES	QTY
14	**521332**	.080	1-5/16	50
12	**521333**	.105	1-11/16	50
10	**521334**	.135	2-1/16	50
.158	**521335**	.158	2-9/16	50
6	**521336**	.192	3-3/8	25
4	**521337**	.225	3-7/8	25

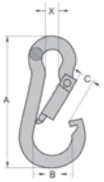
Protected by LUSTERPLATE™ against rust & corrosion



SNAP PEAR HOOKS

USE WITH LOW CARBON CHAIN ONLY.





- Low carbon steel.
- Fast, easy attachment for permanent or temporary connection.

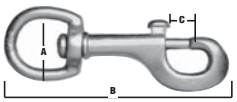
PART NO. BRITE ZINC	TRADE SIZE (INCHES)	DIAMETER (INCHES)	DIAMETER (MM)	DIMENSIONS (INCHES) A	B	C	X	WORKING LOAD LIMITS (LBS)	PKG
52240	1/4	0.225	6.0	2.362	0.689	0.295	0.276	260	10 /ctn
52241	5/16	0.305	8.0	3.150	0.945	0.413	0.413	500	10 /ctn
52242	3/8	0.345	9.0	3.543	1.063	0.492	0.433	550	10 /ctn

SNAPS

SWIVEL EYE BOLT SNAP

- Nickel plated steel.
- Stainless steel spring.

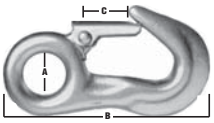
A EYE SIZE	PART NUMBER	B OVERALL LENGTH	C SNAP OPENING	QTY
1/2	**407175**	2-15/16	5/16	2
5/8	**407176**	3-1/2	3/8	2
3/4	**407177**	3-11/16	3/8	2
1	**407178**	4-1/4	1/2	2



FIXED EYE SNAP HOOK

- Nickel plated steel.

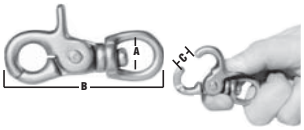
A EYE SIZE	PART NUMBER	B OVERALL LENGTH	C SNAP OPENING	QTY
5/8	**407187**	3-1/2	9/16	2



SWIVEL EYE TRIGGER SNAP

- Nickel plated steel.

A EYE SIZE	PART NUMBER	B OVERALL LENGTH	C SNAP OPENING	QTY
1/2	**407183**	2-1/2	3/8	2



DOUBLE END BOLT SNAP

- Nickel plated steel.
- Stainless steel spring.

A EYE SIZE	PART NUMBER	B OVERALL LENGTH	QTY
3/8	**407179**	4	2
7/16	**407180**	4-5/8	2



BRONZE QUICK SNAP SWIVEL EYE

- Excellent for outdoor use.
- Rust free.

A EYE SIZE	PART NUMBER	B OVERALL LENGTH	C SNAP OPENING	QTY
5/8	**407185**	3-5/16	5/16	2
3/4	**407186**	4-1/2	9/16	2



OPEN END BOLT SNAP

- Nickel plated cast malleable iron.
- Stainless steel spring.
- Eye can be closed with hammer.

A EYE SIZE	PART NUMBER	B OVERALL LENGTH	C SNAP OPENING	QTY
3/8	**407181**	3-1/2	13/32	2
1/2	**407182**	4	7/16	2



ROPE & ROPE HOOKS

NYLON ROPE

Used with pulleys, winches, tie-downs.

- Solid braided nylon.
- Color - natural.
- Will not mildew.

DIAMETER	PART NUMBER	EST. BREAK STRENGTH (LBS)*	SUGGESTED WORKING LOAD (LBS)*	QTY
3/16	**521363**	850	85-128	1000
1/4	**521364**	1200	120-180	500
5/16	**521365**	1775	178-266	175
3/8	**521366**	2100	210-315	150



POLYPROPYLENE ROPE

Used for barriers, tents, anchors, tie-downs, utility rope.

- Strong and lightweight. Resists mildew, chemicals & marine organisms.
- Floats.
- Color - transportation yellow.
- Diamond braided monofilament construction.



DIAMETER	PART NUMBER	EST. BREAK STRENGTH (LBS)*	SUGGESTED WORKING LOAD (LBS)*	QTY
3/8	**521367**	2000	200	500
1/2	**521368**	3000	300	500

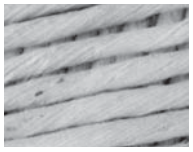
***Estimated break strengths and working loads only. Whenever life, limb, or property are involved, ropes should be thoroughly tested.**

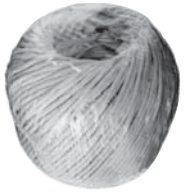
POLISHED COTTON TWINE

General purpose.

No. 60
1/2 lb ball
(approx 300 ft.)

Part No. 521369





CHALK & MASON TWINE

Chalk lines, mason lines, tying fish and net line, outline, canvas lacing.

No. 21
1/2 lb ball
(approx 400 ft.)

Part No. 521370





RUBBER ROPE

Make your own tie downs.

- Fast and easy - just cut desired length and fasten steel hook.
- Durable - manufactured of Dupont Neoprene®.
- Easily adjustable length.
- Stretchable - uniform tension prevents tarp damage.

RUBBER ROPE KIT

Contains 7/16" x 50' roll, 10 hooks

Part No. 918110

RUBBER ROPE

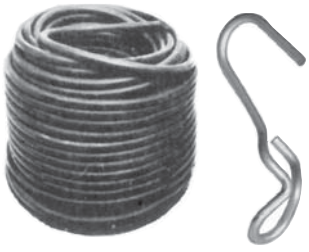
7/16" x 150' roll, hooks not included

Part No. 918111

EYE HOOKS

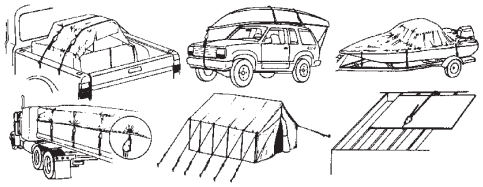
Lusterplated

Part No. 918112 50



ROPE RATCHET™

Firmly secures boxes, crates, tarps, pallets, and assorted cargo in place.



- Quickly secure items TIGHTLY, without slipping.
- Releases with thumb lever.
- No complicated knots to tie, un-tie.
- Will not stretch like elastic cords.
- Made of tough, weather resistant nylon for years of hard use Unaffected by weather.
- 4 different sizes available.
- Will work with comparable size rope or cord.
- Complete with hooks and rope.
- Easy to use, just hook ratchet and cord hook in place and pull free end of cord. Ratchet automatically locks cord in place so it will not slip back. To loosen just press the release lever.

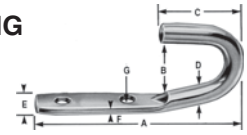


SIZE	PART NUMBER	MAX. LOAD
1/8 x 6 ft.	**521377**	75 lbs.
1/4 x 10 ft.	**521378**	150 lbs.
3/8 x 10 ft.	**521379**	250 lbs.
1/2 x 10 ft.	**521374**	500 lbs.

ROPE HOOKS

Protected by **LUSTERPLATE™** against rust & corrosion

ROPE BINDING

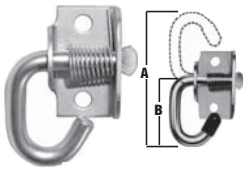


- Manufactured of high quality steel.
- Pre-drilled holes for easy mounting.

PART NUMBER	OVERALL LENGTH A	HOOK OPENING B	HOOK LENGTH C	WIRE SIZE D	WIDTH E	THKS F	HOLE DIA. G	QTY
418245	3-3/4	1	1-5/8	3/8	9/16	3/16	1/4	6
418246	4-7/8	1-1/8	1-3/4	3/8	19/32	13/64	5/16	6

SNAP-BACK

- Swings out of the way automatically when not in use.
- Full 180° pivot allows easy mounting, maximum efficiency, ease of use.
- Constructed of solid steel.



PART NUMBER	OVERALL LENGTH A	HOOK OPENING	HOOK LENGTH B	WIRE SIZE	HOLE DIA.	QTY
418247	2-3/4	3/4	1-3/8	5/16	1/4	3

RECESSED

- Pan recessed 3/8 to allow mounting direct to truck body or trailer body cross members.
- For use in 3/8 plywood.
- Zinc plated steel.
- 3 mounting holes for added strength.

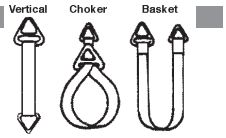
Part No. 418217 3



A20

NYLON SLINGS and ADJUSTABLE STRAPS

HEAVY DUTY INDUSTRIAL NYLON SLINGS



Used as vertical, choker and basket type hitches.

- Resistance to alkalis.
- Contains red warning yarns.
- Subject to damage by sharp edges.
- Meets OSHA regulations; 1910 .184 :ANSI: B-39

FLAT EYE SLINGS



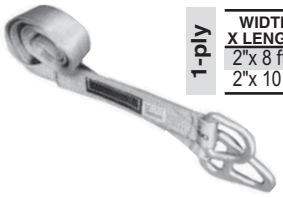
2-ply

WIDTH X LENGTH	PART NUMBER	RATED VERTICAL	CAPACITIES IN LBS. CHOKER	BASKET
2"x 3 ft.	**521342**	6400	4800	12800
2"x 6 ft.	**521343**	6400	4800	12800
2"x 8 ft.	**521344**	6400	4800	12800
2"x 10 ft.	**521345**	6400	4800	12800
3"x 8 ft.	**521346**	8600	6500	17200
3"x 10 ft.	**521347**	8600	6500	17200

1-ply

WIDTH X LENGTH	PART NUMBER	RATED VERTICAL	CAPACITIES IN LBS. CHOKER	BASKET
1"x 8 ft.	**521338**	1600	1200	3200
1"x 10ft.	**521339**	1600	1200	3200
2"x 8 ft.	**521340**	3200	2400	6400
2"x 10 ft.	**521341**	3200	2400	6400

TRIANGLE-CHOKER - STEEL ATTACHMENTS



1-ply

WIDTH X LENGTH	PART NUMBER	RATED VERTICAL	CAPACITIES IN LBS. CHOKER	BASKET
2"x 8 ft.	**521352**	3200	2400	6400
2"x 10 ft.	**521353**	3200	2400	6400

TWISTED EYE SLING



1-ply

WIDTH X LENGTH	PART NUMBER	RATED VERTICAL	CAPACITIES IN LBS. CHOKER	BASKET
1"x 8 ft.	**521348**	1600	1200	3200
1"x 10 ft.	**521349**	1600	1200	3200
2"x 8 ft.	**521350**	3200	2400	6400
2"x 10 ft.	**521351**	3200	2400	6400

ENDLESS

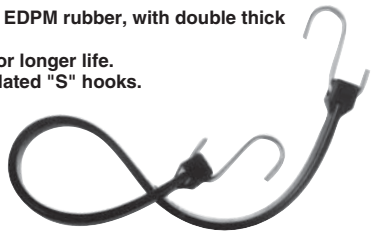


2-ply

WIDTH X LENGTH	PART NUMBER	RATED VERTICAL	CAPACITIES IN LBS. CHOKER	BASKET
2"x 3 ft.	**521354**	9600	7700	19200
2"x 6 ft.	**521355**	9600	7700	19200
2"x 10 ft.	**521356**	9600	7700	19200

HEAVY DUTY TARP STRAPS

- Heavy duty molded EDPM rubber, with double thick reinforced ends.
- Weather resistant for longer life.
- "Live" wire, lusterplated "S" hooks.



PART NUMBER	RUBBER LENGTH (INCHES)	STRETCHES (INCHES)	QTY
918101	9	19	10
918102	15	26	10
918103	20	34	10
918104	31	48	10
918105	41	65	10



Part No. 918100
14 pieces • 5 items

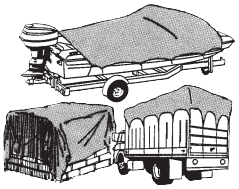
918101 **918104**
918102 **918105**
918103

Numbers in assortment

POLYETHYLENE TARPAULIN

Covers and protects motors, equipment, seed, fertilizers, dirt,construction materials, boats, recreational equipment, truck loads. Used by farms, nurseries, truck and fleet operations, marinas, construction companies, municipalities, schools, and RV's.

- 100% waterproof and mildew proof.
- Ultra-violet retardant.
- Strong woven 8 x 10 nylon strand grid per square inch.
- Tear resistant.
- Washable.
- Aluminum grommets, reinforced hemmed edges.



CUT SIZE	PART NUMBER
8' x 10'	**918125**
10' x 12'	**918126**
10' x 16'	**918127**
12' x 16'	**918128**

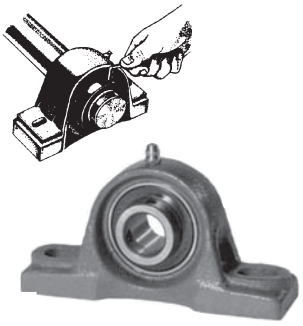
PILLOW BLOCKS and EQUIPMENT PINS

BALL BEARING PILLOW BLOCKS

Provides support & mounting versatility for power transmission shafts.

TECHNICAL DATA:

PART NUMBER	SHAFT DIA.	BOLT USED
407150	3/4	3/8
	20mm	10mm
407151	1	3/8
	25mm	10mm
407152	1-1/4	1/2
	35mm	14mm
407153	1-1/2	1/2
	40mm	14mm
407154	1-3/4	1/2
	45mm	14mm
407155	2	5/8
	55mm	16mm



LIFT ARM BUSHINGS

- **Allows use of unmatched equipment categories without changing lift arm pins..**



ID	PART NUMBER	QTY	OD	OVERALL LENGTH	CATEGORY
7/8	**606136**	2	1-1/8	1-3/4	2 - 1
1-1/8	**606137**	2	1-7/16	1-3/4	3 - 2

LIFT ARM PINS

- **Forged from high strength steel.**
- **Minimum yield strength 60000 psi.**

Protected by LUSTERPLATE™ against rust & corrosion



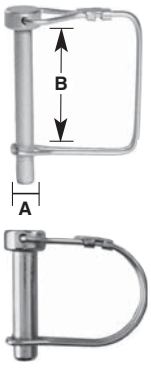
DIA.	PART NUMBER	QTY	THREAD	OVERALL LENGTH	CATEGORY
5/8	**606124**	2	5/8–18	4	0
7/8	**606125**	2	7/8–14	5-1/4	1
1-1/8	**606126**	2	1-1/8–12	6-1/4	2
1-1/8	**606127**	2	7/8–14	5-1/4	1 to 2
1-7/16	**606128**	1	1-1/8–12	6-1/2	2 to 3

PTO LOCK PINS

Power take off pins on farm equipment.

- **Quick connect and disconnect with a position lock.**
- **Minimum yield strength 50,000 psi.**

Protected by LUSTERPLATE™ against rust & corrosion



PIN DIA. (A)	USABLE LENGTH (B)	ROUND HANDLE PART NO.	SQUARE HANDLE PART NO.
1/4	1-3/8	**606140**	---
1/4	1-3/4	**606141**	---
1/4	2-1/4	---	**606129**
1/4	2-1/2	**606142**	**606130**
1/4	3	---	**606135**
1/4	3-1/2	---	**606138**
5/16	1-3/8	**606143**	---
5/16	1-3/4	**606144**	---
5/16	2-1/4	---	**606131**
5/16	2-1/2	---	**606132**
3/8	1-3/8	**606145**	---
3/8	1-3/4	**606146**	---
3/8	2-1/4	---	**606133**
3/8	2-1/2	**606147**	**606134**

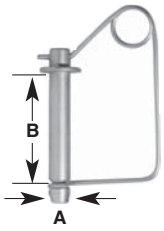
HITCH PINS

- **Manufactured of high strength heat treated, stress relieved alloy steel.**
- **Minimum yield strength 100,000 psi.**

Protected by LUSTERPLATE™ against rust & corrosion

SNAP LOCK HITCH PINS

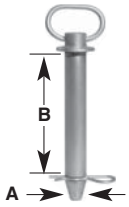
Stays locked.



DIA. (A)	PART NUMBER	USABLE LENGTH (B)
1/2	**606114**	3-1/2
5/8	**606115**	4
3/4	**606116**	4

HAIR PIN HITCH PINS

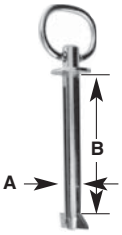
- **Large full size handle.**
- **Hair pin cotter included-provides positive lock.**



DIA. (A)	PART NUMBER	USABLE LENGTH (B)	RPL HAIRPIN
1/2	**606100**	3-1/2	51866
5/8	**606101**	4-1/2	51869
5/8	**606102**	6	51869
3/4	**606103**	4-1/2	51869
3/4	**606104**	6	51869
7/8	**606105**	4-1/2	51869
7/8	**606106**	6	51869
1	**606107**	4-1/2	51869
1	**606108**	6	51869

TENSION LOCK HITCH PINS

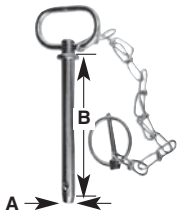
Spring holds tension lock where you put it.



DIA. (A)	PART NUMBER	USABLE LENGTH (B)	QTY
3/8	**606150**	2-3/4	2
1/2	**606151**	3-1/2	2
5/8	**606152**	3-1/2	2
3/4	**606153**	3-1/2	2
3/4	**606154**	6	2
13/16	**606155**	6-1/4	2
7/8	**606156**	3-1/2	2
7/8	**606157**	6	2
1	**606158**	3-1/2	2
1	**606159**	6	2

LYNCH PIN HITCH PINS

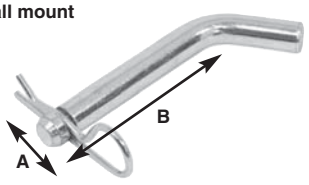
- **Includes Lynch pin.**



DIA. (A)	PART NUMBER	USABLE LENGTH (B)	QTY
1/2	**606160**	4	2
1/2	**606161**	5-3/4	2
5/8	**606162**	4	2
5/8	**606163**	5-3/4	2
3/4	**606164**	4	2
3/4	**606165**	6-1/4	2
7/8	**606166**	7	2
1	**606167**	7	2

BENT PULL PINS

- **Designed for securing a towing ball mount in Class III and IV receivers.**
- **Bright zinc finish.**
- **Sturdy steel construction.**
- **Weather resistant.**



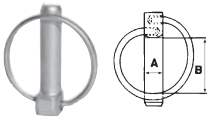
DIA. (A)	PART NUMBER	USABLE LENGTH (B)	QTY
5/8	**606168**	4	2

EQUIPMENT PINS, ROLLER CHAIN and CHAIN PLIERS

LYNCH PINS

- Forged for maximum strength - won't bend or break.
- Minimum yield strength 50,000 psi.
- Self locking ring allows the pin to be held securely in place.
- Ring provides easy grip for a quick removal.

Protected by LUSTERPLATE™ against rust & corrosion



STANDARD PINS

PIN DIA. (A)	USABLE LENGTH (B)	PART NO. W/O CHAIN	PART NO. W/CHAIN
3/16	1-1/4	**606120**	**606109**
1/4	1-1/4	**606121**	**606110**
5/16	1-1/4	**606123**	**606111**
7/16	1-3/8	**606122**	**606112**
7/16	1-9/16	**606118**	**---**





Part No. 501601
150 pieces • 9 items
12051 steel tray

51794	51863	606121
51796	51866	606122
51857	51869	606123

Numbers in assortment

HEAVY SERIES ROLLER CHAIN

- Pre-lubricated.
- Meets ANSI specifications.
- Interchange with ANSI chains already in use.
- Packed 10 feet per box.



ANSI NO.	PART NUMBER	PITCH P	AVERAGE ULTIMATE STRENGTH LBS
60H	**407131**	3/4	8500
80H	**407132**	1	14500
100H	**407133**	1-1/4	24000
120H	**407134**	1-1/2	34000

REPAIR LINKS

CONNECTING LINKS PART NUMBER	OFFSET LINKS PART NUMBER	QTY
407135	**407139**	2
407136	**407140**	2
407137	**407141**	2
407138	**407142**	1

DRIVE CHAIN

- Pre-lubricated.
- Meets ANSI specifications.
- Interchange with ANSI chains already in use.
- Packed 10 feet per box.



ANSI NO.	PART NUMBER	PITCH P	AVERAGE ULTIMATE STRENGTH LBS
A2040	**407188**	1	3700
A2050	**407189**	1-1/4	6100
A2060	**407190**	1-1/2	8500

REPAIR LINKS

CONNECTING LINKS PART NUMBER	OFFSET LINKS PART NUMBER	QTY
407191	**407194**	5
407192	**407195**	5
407193	**407196**	5

CHAIN BREAKER

Disconnects any chain quickly & easily.

- Takes chains apart without the use of hammers or punches.



FOR CHAINS	PART NUMBER
# 25 TO # 60	**407122**
# 60 TO # 100	**407123**
# 120 TO # 160	**407121**

SINGLE STRAND, RIVETED ROLLER CHAIN

For chain driven power transmissions, snowmobiles, motorcycles, bicycles, go-carts, aqua-cats, home snowplows, printing presses, mining, industrial, farm and agricultural equipment.

- Heat treated steel pre-lubricated, longer lasting.
- Meets ANSI specifications. Interchangeable with chains in use.
- Packed 10 feet per box. Includes connecting link.

Protected by LUSTERPLATE™ against rust & corrosion

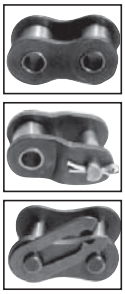


*Chain is rollerless. Dimension shown is bushing diameter.

ANSI NO.	PART NUMBER	PITCH P	AVERAGE ULTIMATE STRENGTH LBS.
*35	**407101**	3/8	2300
41	**407127**	1/2	2400
40	**407102**	1/2	3800
50	**407103**	5/8	6600
60	**407104**	3/4	9400
80	**407105**	1	15400
100	**407100**	1-1/4	24000

ROLLER CHAIN REPAIR PARTS

- Offset links, for odd numbered pitches.
- Spring clip connecting links for No. 60 and smaller chain.
- Cotter pin connecting links for No. 80 and larger chain.



ANSI NO.	ROLLER LINK PART NUMBER	QTY	OFFSET LINK PART NUMBER	QTY	CONNECTING LINK PART NUMBER	QTY
*35	**407106**	12	**407111**	6	**407116**	12
41	**407128**	12	**407129**	6	**407130**	12
40	**407107**	12	**407112**	6	**407117**	12
50	**407108**	12	**407113**	6	**407118**	12
60	**407109**	12	**407114**	6	**407119**	12
80	**407110**	6	**407115**	3	**407120**	12
100	**407126**	3	**407124**	2	**407125**	6



Part No. 407002
63 pieces • 21 items
12017 steel tray

407106	407111	407116	407124	407130
407107	407112	407117	407125	
407108	407113	407118	407126	
407109	407114	407119	407128	
407110	407115	407120	407129	

Numbers in assortment

METRIC ROLLER CHAIN SEE SECTION A16.

THE SYMBOL OF SERVICE
SOSMETAL PRODUCTS INC.
AUTOMOTIVE & INDUSTRIAL

BALL JOINTS and CLEVIS YOKES

CLEVIS SHOP ASSORTMENT

● **All the necessary pieces for complete assembly.**

THREAD INTERNAL & EXTERNAL SAE	1/4-28	5/16-24	3/8-24	1/2-20
Spherical bearings ball joint	**52171**	**52172**	**52173**	**52163**
Non-adjust spring loaded ball joint	**52165**	**52166**	---	---
Clevis yoke ends	**52174**	**52175**	**52176**	**52178**
Clevis pin	**52112**	**52113**	**52115**	**52118**
Hitch pin cotter	**51791 (.080 x 1-9/16)**			



Part No. 501451
56 pieces • 15 items
12071 steel tray

51791	**52118**	**52171**	**52175**
52112	**52163**	**52172**	**52176**
52113	**52165**	**52173**	**52178**
52115	**52166**	**52174**	

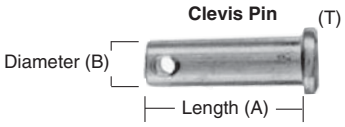
Numbers in assortment





CLEVIS YOKE ENDS

● **Drop forged.** ● **Adjustable.** ● **Lusterplated.**





TAP SIZE (T)	PART NUMBER	LENGTH (A)	HOLE DIA. (B)	RECOMMENDED* CLEVIS PIN SIZE	CLEVIS PIN PART NUMBER
1/4-28	**52174**	2	1/4	1/4 x 1	**521127**
5/16-24	**52175**	2-1/4	5/16	5/16 x 1	**52113**
3/8-24	**52176**	2-1/2	3/8	3/8 x 1-1/8	**52115**
7/16-20	**52177**	2-7/8	7/16	7/16 x 1-1/4	**521136**
1/2-20	**52178**	3	1/2	1/2 x 1-1/2	**52118**
5/8-18	**52199**	4-15/16	5/8	5/8 x 1-3/4	**521144**
3/4-16	**52120†**	6-1/16	3/4	3/4 x 2	**521146**

*** Not included † Plain finish**

BALL JOINT ASSEMBLIES

Used for throttle linkage applications on all types of vehicles and equipment.

● **SAE threads.** ● **Male & female threads same size.**
● **Right hand threads.**

SPHERICAL BEARING BALL JOINT

THREAD SIZE	PART NUMBER
1/4-28	**52171**
5/16-24	**52172**
3/8-24	**52173**
1/2-20	**52163**



NON-ADJUSTABLE SPRING LOADED BALL JOINT

THREAD SIZE	PART NUMBER
1/4-28	**52165**
5/16-24	**52166**



ROD END BALL JOINTS



– MALE THREADS –

PART NUMBER	THREAD SIZE	THREAD
52250	1/4-28	R
52251	1/4-28	L
52252	5/16-24	R
52253	5/16-24	L
52254	3/8-24	R
52255	3/8-24	L
52256	1/2-20	R
52257	1/2-20	L



– FEMALE THREADS –

PART NUMBER	THREAD SIZE	THREAD
52258	1/4-28	R
52259	1/4-28	L
52260	5/16-24	R
52261	5/16-24	L
52262	3/8-24	R
52263	3/8-24	L
52264	1/2-20	R
52265	1/2-20	L

Bearing Raceway - Locked in by annular groove-trunion design. Made of fiber reinforced nylon.
Spherical Ball - Precision made from selected low carbon steel-case hardened - file hard. Plated plus dichromate treated for corrosion resistance.
Outer Member (Housing) - Low carbon steel, plated plus dichromate treated for corrosion resistance.

SEE NEXT PAGE: For a master assortment for golf courses, as well as landscape & farm equipment maintenance.

AGRICULTURAL EQUIPMENT MAINTENANCE

AGRICULTURAL EQUIPMENT MAINTENANCE ASSORTMENT

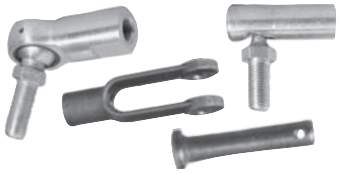
Complete coverage for specialty products most often needed in the maintenance and repair of equipment used by golf courses, landscapers & in agriculture.



Includes: 4 assortments, slide rack & stand
Part No. 501764

TO COVER YOUR MAINTENANCE NEEDS, THIS ASSORTMENT CONTAINS:

CLEVIS SHOP ASSORTMENT
Ball joint assemblies, rod end, ball joints & clevis yoke ends
Part No. 501451



SEAMLESS COPPER STARTER LUGS
Popular sizes for 8 ga. thru 1 ga.
Part No. 210748



RETAINING RINGS & E-CLIPS
31 sizes of e-rings and internal & external retaining rings
Part No. 501389



ABRASIVES & GRINDING
Contains all you need to do any type of grinding or surface preparation
Part No. 501662

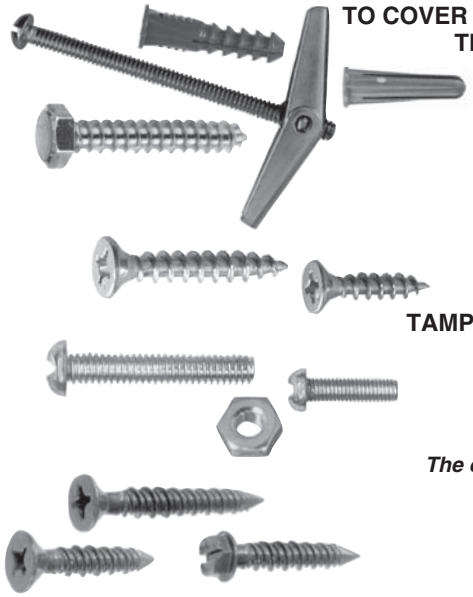


ANCHORS

FACILITY MAINTENANCE ASSORTMENT

Complete coverage for specialty maintenance needs in schools, hospitals, office complexes, apartments and hotels.

- **A perfect add on to basic coverage provided by standard fasteners and electrical hardware.**



TO COVER YOUR MAINTENANCE NEEDS, THIS ASSORTMENT CONTAINS:

WALL ANCHORS
Solutions for every situation
Part No. 501759

SPAX SCREWS
Self-drilling in almost all materials
Part No. 501686M

TAMPERPROOF MACHINE SCREWS
Stops vandalism & loss
Part No. 501642

TAPCON® FASTENERS
The only masonry anchor that cuts into concrete, brick & cement block
Part No. 501580

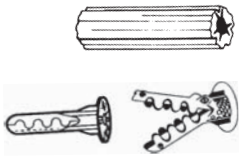


Includes: 4 assortments, slide rack & stand
Part No. 501763

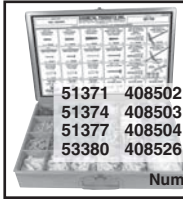
WALL ANCHOR ASSORTMENT

Used in plastic, wallboard, wood, masonry, concrete block, metal & tile.

- **New expanded coverage.**
- **Includes nylon screw & ribbed plastic anchors, vinyl screw anchors, toggle bolts, Super Togglers®, Rawl Zip-It™ anchors, E-Z togglers, Alligator® anchors, metal screws and lag screws.**
- **Your complete anchor solution in a single tray - all popular styles and sizes.**







Part No. 501759
600 pieces • 24 items
12017 steel tray

51371	408502	505871	507102	507147	507385
51374	408503	505880	507103	507200	507386
51377	408504	505887	507145	507208	507387
53380	408526	505893	507146	507209	507392

Numbers in assortment

A21

ANCHORS

NYLON SCREW ANCHORS



- Easier and faster to install.
- Long life, less inventory.
- 6 areas of positive contact.
- Maximum lengthwise sure-hold grip. Won't turn in hole.
- Excellent vertical holding power, to 450 lbs.
- Use indoors or outdoors.
- When using a Rawl Plug, length requirements are the work thickness plus the anchor length.

SIZE RAWL PLUG ONLY	PART NUMBER	DRILL SIZE	QTY
6-8 x 3/45	**408501**	3/16	100
8-10 x 7/8	**408502**	3/16	100
10-12 x 1	**408503**	1/4	100
14-16 x 1-1/2	**408504**	5/16	50

ANCHOR KITS

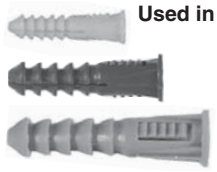


For installing signs, shelves, cabinets, pictures, conduit straps in plaster, wallboard, wood and masonry.

- Kits contain all you need anchors, screws and one masonry drill bit in a plastic tray.
- Combination style slotted or phillips pan head sheet metal screws.

KIT PART NUMBER	KIT CONTAINS ANCHOR SIZE	QTY	SCREW SIZE	QTY	MASONRY BIT
408505	6-8 x 3/4	100	6 x 1	100	3/16
	(408501)		(505864)		(813658)
408506	8-10 x 7/8	100	8 x 1	100	3/16
	(408502)		(505871)		(813658)
408507	10-12 x 1	100	10 x 1	100	1/4
	(408503)		(505880)		(813659)
408508	14-16 x 1-3/8	50	14 x 1-1/4	50	5/16
	(408504)		(505893)		(813660)

RIBBED PLASTIC ANCHORS

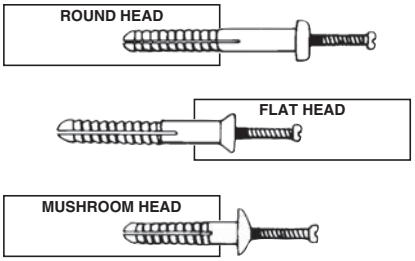


Used in plaster, wood, wallboard, sheet rock, drywall, brick block, concrete, etc.

- Serrated Tabs on each side expand to prevent rotation.
- Tabs also provide additional holding strength.
- Ribbed body prevents anchor pull-out.
- Manufactured from polypropelene.
- Used with wood screws, sheet metal screws, or drywall screws (order separately).

PART NUMBER	QTY	SCREW SIZE	ANCHOR LENGTH	DRILL SIZE
408525	100	4-6-8	7/8	3/16
408526	50	8-10-12	1-1/4	1/4
408527	50	12-14-16	1-1/2	5/16

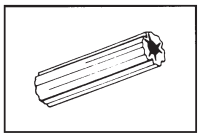
SCREW & ANCHOR KITS

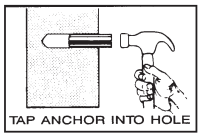


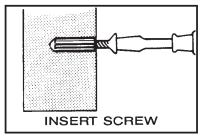
- Easily removable and reusable.
- Vibration and shock proof.
- Resists chemicals, alkalies and fungus.
- 3 head styles cover all industrial and maintenance applications.

ANCHOR SIZE (INCHES)	PART NUMBER	DRILL SIZE (INCHES)	HOLDING POWER (LBS.)	STYLE HEAD	QTY
3/16 x 1	**51311**	3/16	249	Round	100
3/16 x 1-1/2	**51312**	3/16	297	Round	100
1/4 x 1	**51313**	1/4	261	Round	100
1/4 x 1-1/2	**51314**	1/4	320	Round	100
3/16 x 1	**51315**	3/16	249	Flat	100
1/4 x 1	**51316**	1/4	261	Flat	100
1/4 x 1-1/2	**51317**	1/4	320	Flat	100
3/16 x 1	**51318**	3/16	237	Mushroom	100
1/4 x 3/4	**51319**	1/4	212	Mushroom	100
1/4 x 1	**51320**	1/4	261	Mushroom	100

VINYL SCREW ANCHORS







Color coded by diameter to eliminate confusion

SCREW SIZE	LENGTH (INCHES)	PART NUMBER	DRILL SIZE COLOR	SAFE WORK PLASTER	CONCRETE	LOAD/ LBS.*	QTY
1-2-3	1	**51365**	Yellow	5/32	1/8	62	100
4-5-6	1	**51366**	White	13/64	3/156	85	100
7-8-9	1	**51367**	Red	15/64	1/4	136	100
	1-1/2	**51368**	Red	15/64	1/4	136	100
10-11-12	1	**51369**	Green	9/32	1/4	223	100
& 3/16	1-1/4	**51370**	Green	9/32	1/4	223	100
	1-1/2	**51371**	Green	9/32	1/4	223	100
	2	**51372**	Green	9/32	1/4	223	100
13-14-15	1	**51373**	Blue	5/16	5/16	267	100
& 1/4 Lag	1-1/2	**51374**	Blue	5/16	5/16	267	100
	2	**51375**	Blue	5/16	5/16	267	100
	2-1/4	**51376**	Blue	5/16	5/16	267	100

SCREW SIZE	LENGTH (INCHES)	PART NUMBER	DRILL SIZE COLOR	SAFE WORK PLASTER	CONCRETE	LOAD/ LBS.*	QTY
16-18 & 5/16	1-1/2	**51377**	Orange	--	3/8	392	100
Lag	2	**51378**	Orange	--	3/8	392	100
	2-1/2	**51379**	Orange	--	3/8	392	100
20-22-24	2	**51380**	Gray	--	7/16	537	50
& 3/8 Lag	2-1/2	**51381**	Gray	--	7/16	537	50
	3	**51382**	Gray	--	7/16	537	50
7/16 &	2-1/2	**51383**	Black	--	5/8	658	25
1/2 Lag	3-1/2	**51384**	Black	--	5/8	658	25

***Tested holding power is ten times "Safe Working Load".**

OUR *UNI-TAP® and HOLLOW WALL ANCHORS*

UNI-TAP®

A unique nylon fastener that can be used in a variety of substrates. UNI-TAP® eliminates ice build-up, a common occurrence on the head of metal fasteners in refrigerated trucks and equipment.

- **Low cost, tamper resistant, vibration resistant, non-corrosive, sanitary, FDA approved.**
- **Withstands temperatures from -60° F to 425° F.**
- **High shear and tensile strength. Can withstand the impact of hammer installation and still hold firmly in place.**

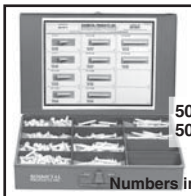
To Install: Drill a .281 size hole (K or 9/32 drill bit) Insert ***UNI-TAP®***

UNI-TAP® WORKS IN:

- **Wood**
- **Brick**
- **Metal**
- **Concrete**
- **Plastic**
- **Foam Insulation**
- **Block**
- **Plexi-glass**
- **Sanitary Wall Systems**

USE *UNI-TAP®* FOR:

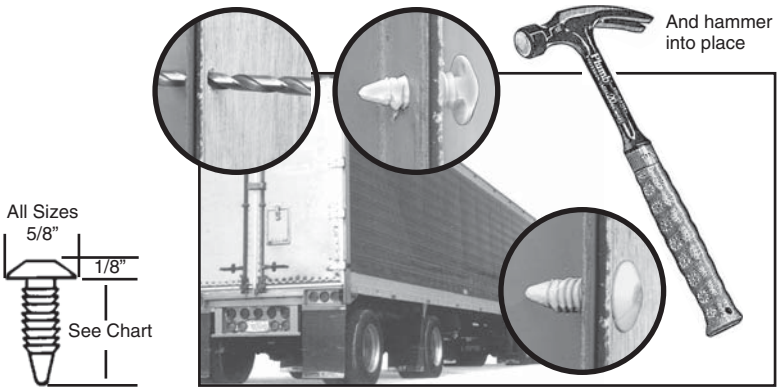
- **Trailer liners, Truck panels, Refrigerated trucks, Reefers, Cold storage facilities, Food processing plants, Restaurants, Food preparation facilities**
- **Electrical control panels and boxes**
- **Telecommunications**
- **Building and housing construction, wall and roof insulation**
- **Plumbing and heating installations**
- **Display signs**



Part No. 501641
180 pieces • 5 items
12061 steel tray

507395 507397 507399
507396 507398

Numbers in assortment



PART NUMBER	SIZE	GRIP RANGE	HOLLOW MATERIAL SHEAR (LBS.)	PULL OUT CEMENT BLOCK (LBS.)	PULL OUT HOLLOW WALL (LBS.)	HEAD STYLE	QTY
507395	1/4x1	3/16 to 1/2	250	150	130	Truss	100
507396	1/4x1-5/8	3/8 to 1-1/8	253	158	130	Truss	100
507397	1/4x2-1/8	7/8 to 1-5/8	274	154	130	Truss	50
507398	1/4x2-5/8	1-3/8 to 2-1/8	238	163	130	Truss	50
507399	1/4x3-1/8	1-7/8 to 2-5/8	228	150	130	Truss	50

TOGGLER® TOGGLE BOLTS

When the application is critical use Toggler® Toggle Bolts, the strongest anchor available.

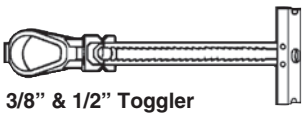
Toggler® Toggle Bolts for maximum strength & precision alignment in:

- Hollow Block
- Cinder Block
- Concrete Block
- Cement Board
- Hollow Brick
- Stucco
- Plaster
- Boat Decks
- Drywall
- Paneling
- Fiberglass
- Composite Panels

- **Easy to use - pre-installs without bolt.**
- **Strongest toggle bolt available - size for size.**
- **Accurate - rugged pre-installation mechanism centers metal channel in small hole, before bolt insertion.**
- **Quick - can be used with a screw gun.**
- **Cost effective - turn 2 person job into 1 person job.**
- **Get job done faster - save 6 minutes per anchor compared with old-fashioned methods.**
- **Convenient - enables removal of bolt/fixture without anchor falling behind wall.**
- **Most reliable - will not damage or break through wall even when vibrated.**
- **Ideal for heavy loads in hollow walls, ceilings and floors.**
- **Grip range 3/8" to 3-5/8" wall thickness.**
- **Toggle is zinc plated, straps and face plate are plastic.**
- **Screw length = 1/2" + wall + fixture thickness.**
- **Screws not included.**

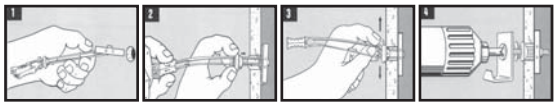


3/16" & 1/4" Snap Toggle



3/8" & 1/2" Toggler

Four easy steps to total anchoring security!



Drill appropriate sized hole. Hold metal channel flat alongside plastic straps and slide channel through hole.

With one hand, pull ring or hold ends of straps between thumb & forefinger. Pull toward you until metal channel rests flush behind wall. Slide plastic cap along straps until flange of cap is flush with wall.

Place thumb between plastic straps. Push side ti side snapping off straps flush with wall.

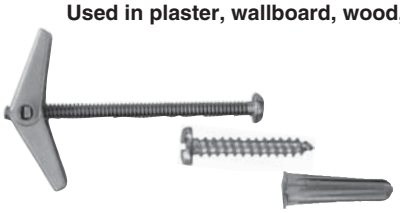
Insert bolt through item to be attached and tighten until flush with fixture. Minimum clearance behind wall: 1-7/8".

PART NUMBER	QTY	SIZE	TENSILE PULL-OUT VALUES: LBS. AND (KG) 5/8" (16mm) DRYWALL	CONCRETE BLOCK	1/2" (13mm) STEEL PLATE	HOLE SIZE	GRIP RANGE
507388	10	3/16-24	356 (162)	714 (325)	918 (417)	1/2	3/8 - 3-5/8
507389	10	1/4-20	306 (139)	925 (420)	1,283 (583)	1/2	
507390	5	3/8-16	576 (262)	1,167 (530)	1,425 (648)	3/4	3/8 - 2-1/2
507391	5	1/2-13	N/A	2,038 (926)	2,392 (1,087)	3/4	

Tests are ultimate load, industry safety standards recommend 1/4 of the values for actual application. Age and condition of wall material will cause tensile values to vary.

LIGHT & MEDIUM DUTY ANCHORS

Used in plaster, wallboard, wood, masonry, concrete block, metal, and tile.



- **Includes: nylon anchors, sheet metal screws, toggle wings and bolts.**



Part No. 501599
520 pieces • 15 items
12051 steel tray (with dividers)

27111 408501 507101 507106
27119 408502 507102 507116
27128 408503 507103 507117
27146 408504 507105

Numbers in assortment

HOLLOW WALL ANCHORS

TOGGLE WINGS & BOLTS

Ideal for use in hollow walls, ceilings, plaster, tile, wood, concrete block, metal.

- Automatic spring-action toggles.
- Exclusive tensioning spring prevents loosening by vibration or shock.
- Round head fully threaded bolts.

Protected by LUSTERPLATE™ against rust & corrosion

TOGGLE BOLTS

SIZE	DRILL SIZE	PART NUMBER	QTY
1/8 x 2	3/8	**507116**	50
1/8 x 3	3/8	**507101**	50
1/8 x 4	3/8	**507117**	50
3/16 x 3	1/2	**507102**	50
3/16 x 4	1/2	**507103**	40
3/16 x 6	1/2	**507104**	40
1/4 x 3	5/8	**507105**	40
1/4 x 4	5/8	**507106**	40
1/4 x 6	5/8	**507107**	30
3/8 x 4	7/8	**507108**	20
3/8 x 6	7/8	**507109**	20

TOGGLE WINGS ONLY

SIZE	PART NUMBER	QTY
1/8 (6-32)	**507110**	25
3/16 (10-24)	**507111**	25
1/4-20	**507112**	25
5/16-18	**507113**	10
3/8-16	**507114**	10
1/2-13	**507115**	5





Part No. 507001
45 pieces • 6 items
12042 plastic tray

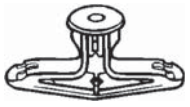
507102 507106 507108
507104 507107 507109

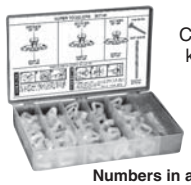
Numbers in assortment

SUPER TOGGLER® (TOGGLER™)

Used in drywall, wood, concrete, paneling, masonry, tile, and hollow doors.

PART NUMBER	GRIP RANGE (INCHES)	ACCEPTS SCREW SIZES	QTY
507145	1/8-1/4	6 to #14	50
507146	3/8-1/2	6 to #14	50
507147	5/8-3/4	6 to #14	50





Part No. 507144
Contains a 5/16" drill, keydriver & anchors.
79 pieces • 5 items
12047 plastic tray

507145 507147
507146 814319

Numbers in assortment

- Works almost anywhere.
- One piece assembly.
- Will not rust. Cannot overtighten.
- Use with wood or sheet metal screws.
- Screws can be removed without removing anchor.
- All sizes install in a 5/16" diameter hole.
- Can be installed with a screw gun.

WALL GRIPS

Securely fastens mirrors, pictures, cabinets, curtains, drapes, bathroom fixtures to hollow walls of plaster, wallboard gypsum or cinderblock.

SIZE (INCHES)	BODY (INCHES)	PART NUMBER	DRILL SIZE (INCHES)	WALL THICKNESS (INCHES)	QTY
1/8-XS	1/4	**507232**	5/16	0-1/4	25
1/8-S	1/4	**507226**	5/16	1/8-1/2	25
1/8-L	1/4	**507227**	5/16	5/8-7/8	25
3/16-S	3/8	**507228**	7/16	1/8-5/8	25
3/16-L	3/8	**507229**	7/16	5/8-1-1/4	25
1/4-S	7/16	**507230**	1/2	1/8-5/8	25
1/4-L	7/16	**507231**	1/2	5/8-1-1/4	25





Part No. 507225
25 pieces • 5 items
12034 plastic tray

507226 507229
507227 507230
507228

Numbers in assortment

- Fixtures can be removed or replaced without disturbing the wall grip.

"WALL DOG"™ ANCHORS

The Wall-Dog™ is the industry's first all steel one-piece screw anchor, which features high-profile threads for easy fastening into wallboard and other masonry base materials. It is deep cutting and when removed the Wall-Dog leaves a much smaller hole than toggles or other systems. For fastening into wallboard or wood, no pre-drilling is required. Fastening into concrete, hollow or grout filled block, brick and plaster requires a pre-drilled 3/16"ANSI hole.

- Installs in wallboard, plywood, concrete, hollow or grout filled block, brick and plaster.
- Patented design provides for smooth entry, clean cutting and a powerful hold.
- Thread design prevents spinning and stripping.
- Heat treated point penetrates metal and wood studs.
- Two finished heads, oval & pan.
- Two colors, chrome and white head.
- Self-drills own small hole in 1/2" & 5/8" thick wallboard.
- Installs quickly and easily with a Phillips® screwdriver.
- Case hardened steel.
- 3/16" diameter x 1-1/4" long.
- Corkscrew like threads provide a smooth entry and powerful hold.

PART NUMBER OVAL HEAD	PAN HEAD	HEAD COLOR	QTY
507421	**507423**	Chrome	25
507422	**507424**	White	25





Part No. 507401
3/16" masonry drill bit
101 pieces • 5 items
12047 plastic tray

507421 507424
507422 813658
507423

Numbers in assortment

MASTER GRIPS ASSORTMENT

Includes: both styles of Hollow Wall Grips.



Part No. 501600
195 pieces • 9 items
12051 steel tray

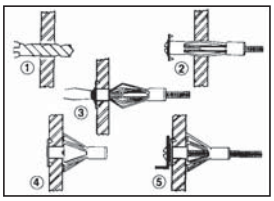
507226 507229 507232
507227 507230 507236
507228 507231 507238

Numbers in assortment



DRIVE GRIPS

Securely fastens mirrors, pictures, cabinets, curtains, drapes, bathroom fixtures to hollow walls of plaster, wallboard gypsum or cinderblock.



- Fixtures can be removed or replaced without disturbing the wall grip.
- No pre-drilling.

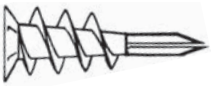


SIZE (INCHES)	PART NUMBER	WALL THICKNESS (INCHES)	QTY
1/8-DS	**507236**	1/8 to 1/2	25
1/8-DL	**507238**	1/8 to 3/4	25

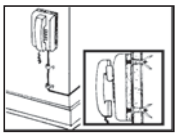
HOLLOW WALL and SOLID WALL ANCHORS

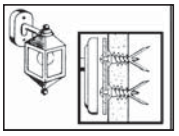
RAWL ZIP-IT™ ANCHORS

Anchors lightweight electrical fixtures to wallboard without pre-drilling.



- Fast and easy installation – No pre-drilling.
- High holding power – Screw is removable.
- Nylon is electrically non-conductive for safe installation.
- Nylon anchors will not cut hidden cables.
- Zip-It' Drills its own hole & drives into wallboard in one motion.
- Use with sheet metal or drywall screws.
- Available in Du Pont ZYTEL, Nylon or Zinc.





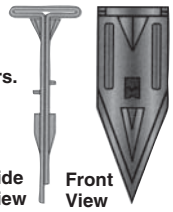
U.S. and foreign Patents Pending.

PART NUMBER	WALLBOARD THICKNESS (INCHES)	TYPE OF MATERIAL	SCREW SIZE	QTY
507208	3/8 to 5/8	Nylon	No. 6	25
507200	3/8 to 1	Nylon	No. 8	25
507209	3/8 to 1	Steel/Zinc	No. 8	25

RAWL LEGS™ ANCHORS

Anchors lightweight electrical fixtures, phones and accessories to wallboard without pre-drilling.

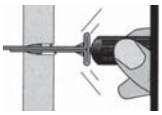
- Fast and easy installation and removal.
- Steel zinc plated.
- Once removed, anchor leaves a small slit in wallboard versus gaping holes left by other anchors.
- Insertion of screw engages preformed tabs in each leg to expand outwards into base of material.
- Use with No. 6 or 8 screw.
- Pierce point for easy insertion.
- Square flat head sits flush against surface.



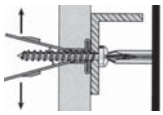
Part No. 507224 25

Installation Procedures

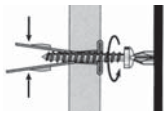
(Minimum screw length is 3/4" plus fixture thickness).



Place tip of anchor against face of wallboard and tap in with hammer until the flange is sealed flush against wallboard.



Locate the fixture and insert a #6 or #8 sheet metal screw through the fixture hole into the installed anchor. Tighten the screw until the fixture is securely seated against the base material & the anchor is fully expanded.



To remove:
Remove the screw and take down the fixture, then insert the screw into the anchor one turn. Pull on the screw to slide the anchor out of the slit in the face of the wallboard.

UTILITY HOOK

For hanging pictures, mirrors, plaques, degrees, permits, and licenses.

- Sturdy metal construction.
- Can be used with an anchor, using screws from #6-32 to 1/4" diameter.



Part No. 507249 25

* Will be deleted when supplies are exhausted.

E-Z TOGGLE

Electrical fixtures, cabinets, mirrors, signs, shelving, heating and air conditioning, plumbing fixtures, telecommunication equipment, smoke detectors, curtain rods and closet organizers.

- Self drilling - no hole preparation necessary; pre-drills own hole in gypsum wallboard/drywall.
- Faster than toggle bolts.
- Replaces plastic plugs and ordinary toggles.
- Heavy duty - strong enough to use in ceiling.
- Deep thread design provides strong grip in 3/8", 1/2" and 5/8" gypsum wallboard/drywall.
- Comes with #8 x 2-1/8 pan head Phillipsscrews.
- Installs quickly with a #2 phillips screwdriver.
- Zinc plated anchors & screws.

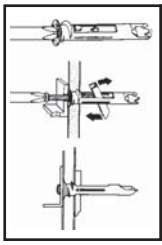


Part No. 507392 10

PERFORMANCE DATA

DRYWALL THICKNESS	PULLOUT AVG. LB.	SHEAR AVG. LB.
3/8	70	200
1/2	85	230
5/8	150	300

E-Z INSTALLATION



1. Place #2 phillips screwdriver into recess of E-Z Toggle. Press into drywall while turning the anchor clockwise until it is sealed flush with wall and arrows on head are parallel to stud.
2. Place fixture in position over installed E-Z Toggle. Insert screw and push through E-Z Toggle to engage clamp.
3. Continue turning screw until tight. The clamp will move back against the drywall as the screw is turned.

ALLIGATOR® SOLID WALL ANCHORS

ANCHOR DIAMETER	PART NUMBER	QTY	USE SCREW SIZE
3/16	**507385**	25	#4 - #10
1/4	**507386**	25	#6 - #14
5/16	**507387**	25	#6 - 5/16

The grip that won't let go. Alligator anchors are ideal for use in a wide variety of materials

- Concrete
- Masonry
- Stucco
- Brick
- Ceramic Tile
- Flakeboard
- Cinder Block
- Plaster
- Aerated Concrete
- Wood
- Stone
- Drywall

TENSILE TEST RESULTS
(Ultimate results in pounds in 4,000 psi concrete)

ANCHOR DIAMETER	ALLIGATOR	NAIL-IN ANCHOR	MASONRY SCREW	METAL SLEEVE ANCHOR
3/16	2,316	200	600	--
1/4	2,633	265	1,240	1,300
5/16	3,083	--	--	1,700

Toggler Alligator Anchor Applications

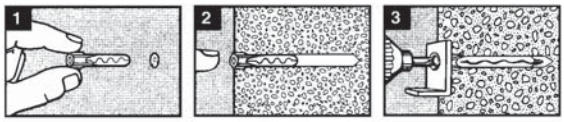
Electrical Equipment	Brackets	Door Jambs	Lighting Fixtures
Handrails	Shelving	Antenna	Window Frames
Telephone Equipment	Alarms	Framing	Circuit Breakers
Plumbing Fixtures	Cabinets	Partitions	Stonefront Gates
Fire Extinguishers	Awnings	Signs	RTA Furniture



Replaces Conventional Metal Anchors

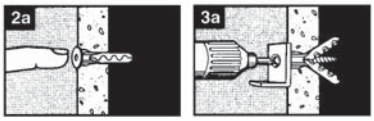
- Fast -Install through the fixture with a screw gun.
- Versatile - works in any building material.
- Works with different screw sizes for highest holding power without cracking wall.
- Stronger than metal anchors 2 times the diameter.
- "Molding" action bonds anchor to wall.
- Vibration-proof - specially formulated corrosion-proof polymer absorbs shock.
- Use wood screws, sheet metal, or lag screws.
- Anti-rotation fins hold anchor in place. No other anchor has this feature.

Easy installation with a screwdriver or a screw gun



Drill hole same dia. as anchor. Push in anchor and tap flush. Insert screw and tighten.

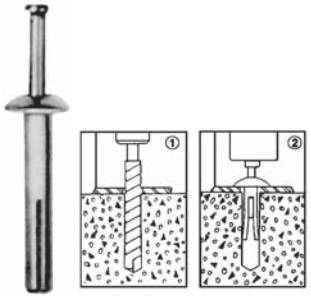
Anti-rotation fins prevent spinning while Alligator anchor extrudes along screw in solid walls or locks open in hollow walls.



MASONRY ANCHORS

RAWL ZAMAC NAILIN

Use in concrete, block, brick or stone.



- **Body is made of Zinc (Zamac #7) with plated steel nail to resist corrosion.**
- **Tamperproof.**
- **One piece assembly.**
- **No layout or hole-spotting required.**
- **GSA Specification, FF-S-325, Group V, Type 2, Class 3.**
- **Mushroom Head.**

SIZE (INCHES)	PART NUMBER	PULLOUT LOAD TESTS* DRILL SIZE (INCHES)	EMBED. DEPTH (INCHES)	TENSION LOAD (LBS)	QTY
1/4 x 1-1/2	**314102**	1/4	1-3/8	1,150	50
1/4 x 2	**314103**	1/4	1-7/8	1,300	50

***NOTE: Test done in concrete having minimum compressive strength of 4,100 PSI.**

TAPCON® FASTENERS

The only masonry anchor that cuts into concrete, brick and cement block.

- **Blue Stalgard coating for rust protection.**
- **Replaces expansion anchors, powder-actuated fasteners, plugs and screws.**
- **Exceptional pull-out strength - as strong or stronger than any anchor its size.**
- **Two step operation: drill hole and drive the anchor; save time and money.**
- **Tapcon, anchors are reversible - easily removed to adjust for shimming or leveling.**



SLOTTED HEX



PHILLIPS FLAT



TAPCON® ANCHORS SUPERIOR DESIGN

HEAD - Slotted hex waher head and Phillips flat head styles available.

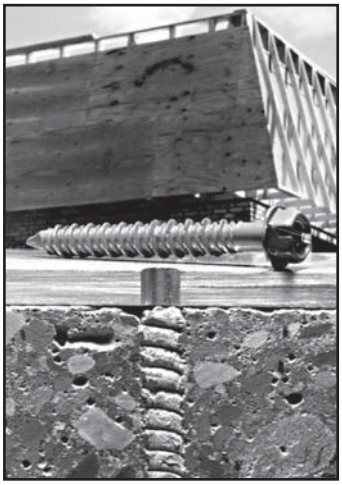
THREADS - Specially notched high-low design taps threads into concrete. High threads cut deeply, easily into masonry. Low threads provide stability as anchor is driven.

POINT - Guides the anchor directly into the pre-drilled hole. The nail design allows the fastener to drill into wood.

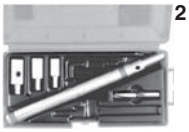
PART NUMBER SLOTTED HEX	QTY	PART NUMBER PHILLIPS FLAT	QTY	SIZE (INCHES)	DRILL SIZE (INCHES)	USE DRILL NO.*
507356	25	**507363**	25	3/16 x 1-1/4	5/32 x 3-1/2	**507375**
507357	25	**507364**	25	3/16 x 1-3/4	5/32 x 3-1/2	**507375**
507358	25	**507365**	25	3/16 x 2-1/4	5/32 x 4-1/2	**507376**
507359	25	**507366**	25	3/16 x 2-3/4	5/32 x 4-1/2	**507376**
507360	25	**507367**	25	3/16 x 3-1/4	5/32 x 5-1/2	**507377**
507361	25	**507368**	25	3/16 x 3-3/4	5/32 x 5-1/2	**507377**
507362	25	**507369**	25	3/16 x 4	5/32 x 5-1/2	**507377**
507336	25	**507340**	25	1/4 x 1-1/4	3/16 x 3-1/2	**507344**
507337	25	**507341**	25	1/4 x 1-3/4	3/16 x 3-1/2	**507344**
507338	25	**507342**	25	1/4 x 2-1/4	3/16 x 4-1/2	**507345**
507339	25	**507343**	25	1/4 x 2-3/4	3/16 x 4-1/2	**507345**
507371	25	**507372**	25	1/4 x 3-1/4	3/16 x 5-1/2	**507348**
507354	25	**507373**	25	1/4 x 3-3/4	3/16 x 5-1/2	**507348**
507355	25	**507374**	25	1/4 x 4	3/16 x 5-1/2	**507348**



***NOTE: To use Tapcon fasteners, you must pre-drill hole with special carbide tipped masonry drills listed above.**



ASSORTMENTS AVAILABLE!



2 Step Installation Tool Kit
Part No. 507346
Drill the hole and drive the anchor with the same tool.



Master Assortment
Part No. 501580
230 pieces • 10 items
12051 steel tray

507336	507338	507340	507342	507354
507337	507339	507341	507343	507355

Numbers in assortment



Master Assortment w/ Tools
Part No. 501581
199 pieces • 14 items
12051 steel tray
Includes drills, screws and installation kit.

507336	507339	507342	507345	507354
507337	507340	507343	507346	507355
507338	507341	507344	507348	

Numbers in assortment

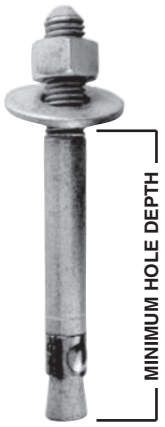
MASONRY ANCHORS

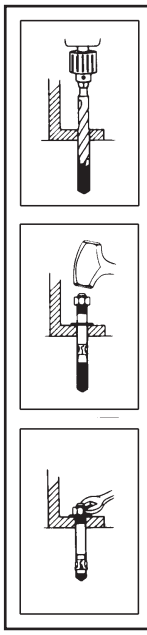
MAXI-STUD MASONRY ANCHORS

Developed for use where maximum holding power is required.

- Anchorage occurs at the bottom of the hole assuring a complete 360° contact.
- Special lance design provides non-rotational grip regardless of oversize hole conditions.
- Thread diameter = Hole diameter.
- No Hole-Spotting, No layout, No excessive hole drilling.
- Exclusive apertures instantly expand the stainless steel collar on first turn of the nut.
- Vibration proof holding power equal to the full value of the bolt or the concrete.

PART NUMBER	SIZE	THREAD LENGTH	HOLE SIZE	MINIMUM DEPTH	QTY
51340	1/4 x 1-3/4	3/4	1/4	1-1/8	100
51341	1/4 x 2-1/4	3/4	1/4	1-1/8	100
51342	1/4 x 3-1/4	3/4	1/4	1-1/8	100
51343	3/8 x 2-1/4	7/8	3/8	1-5/8	50
51344	3/8 x 2-3/4	1-1/8	3/8	1-5/8	50
51345	3/8 x 3	1-1/8	3/8	1-5/8	50
51346	3/8 x 5	1-1/8	3/8	1-5/8	50
51347	1/2 x 2-3/4	1-1/8	1/2	2-1/4	25
51348	1/2 x 3-3/4	1-1/4	1/2	2-1/4	25
51349	1/2 x 5-1/2	1-1/4	1/2	2-1/4	25
51350	5/8 x 3-1/2	1-1/2	5/8	2-3/4	20
51351	5/8 x 4-1/2	1-1/2	5/8	2-3/4	20
51352	5/8 x 6	1-1/2	5/8	2-3/4	20
51353	5/8 x 8-1/2	1-1/2	5/8	2-3/4	20
51354	3/4 x 4-1/4	1-1/2	3/4	3-1/4	10
51355	3/4 x 5-1/2	1-1/2	3/4	3-1/4	10
51356	3/4 x 7	1-1/2	3/4	3-1/4	10
51357	3/4 x 8-1/2	1-1/2	3/4	3-1/4	10





TECHNICAL INFORMATION

AVERAGE PULLOUT & SHEAR STRENGTH MEASUREMENTS					
RECOMMENDED SAFE WORKING LOADS IN 3500 PSI CONCRETE			RECOMMENDED SAFE WORKING LOADS IN 2000 PSI CONCRETE		ULTIMATE AVERAGE HOLDING POWER IN 5000 PSI CONCRETE
DIA	TENSION	SHEAR	TENSION	SHEAR	TENSION
1/4"	695	460	235	325	2800
3/8"	960	1215	800	850	5100
1/2"	1710	2335	950	1875	7500
5/8"	2150	3500	1550	3000	9500
3/4"	3375	5250	2100	4175	14000

TITEN™ HEAVY DUTY THREADED ANCHORS

The Cutting Edge In Anchors

Used in concrete, grout filled concrete block, and solid block.

- Cut removal hassles: Easy to remove, ideal for temporary anchoring.
- Cut inspection hassles: No need to verify setting or installation torque, anchor is head-stamped with length for easy inspection.
- Higher load capacity & vibration resistance: Threads along the length of the anchor transfer the load to the base material. Ratchet teeth on the bottom of the hex-washer head keep the anchor from loosening in vibratory conditions.
- Specialized heat treating process: Creates superior surface hardness at the tip to facilitate cutting, while at the same time not compromising ductility within the anchor body.
- Less spacing and edge distance required: The anchor does not exert expansion forces on the base material.
- Easy post-installation inspection: The head is stamped with the manufacturers "≠" sign and the anchor length in inches.
- Installs with 50% less torque: Testing shows that when compared with a major competitor, the Titen HD requires 50% less torque to be installed in concrete. The serrated teeth on the lead threads facilitate cutting, allowing the remainder of the threads to follow with very little friction. This enables the user to install the anchor using wrenches or cordless tools.
- Hex washer head: Requires no separate washer and provides a clean installed appearance.
- Removable: Ideal for temporary anchoring (e.g. formwork, bracing) or applications where fixtures may need to be moved. Re-use of the anchor to achieve listed load values is not recommended.
- Made from carbon steel zinc plated.
- Recommended for use in dry interior applications.
- Ideal for anchoring racking, conveyers, and dock bumpers.
- Cut installation time: Drive it and you're done. No setting or torquing required.
- Cut drill bit inventory: Requires NO SPECIAL DRILL BITS. Installs in standard sized holes.
- Cut down on tools: Just a socket or impact wrench is all you need for installation once the hole is drilled.

PART NUMBER	SIZE DIA. & LENGTH (INCHES)	DRILL BIT DIA.	WRENCH SIZE	QTY
507451	3/8 x 2-1/2*	3/8	9/16	10
507452	3/8 x 3	3/8	9/16	10
507453	3/8 x 4	3/8	9/16	10
507456	1/2 x 3	1/2	3/4	10
507457	1/2 x 4	1/2	3/4	10
507458	1/2 x 5	1/2	3/4	10
507459	1/2 x 6	1/2	3/4	10
507461	5/8 x 4	5/8	15/16	10
507462	5/8 x 5	5/8	15/16	10
507463	5/8 x 6	5/8	15/16	10

*** To be discontinued when stock is depleted.**









MASONRY ANCHORS

STUD BOLT ANCHORS

Designed for medium and heavy fastening in solid material.

- **The anchor is equal in strength to the bolt and or material in which it is installed.**
- **Pre-assembled and ready to use.**
- **Drilled hole and anchor diameter are the same.**
- **Eliminates hole layout time.**
- **No special tool required.**



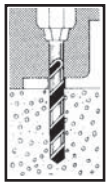
– SLOTTED FLAT HEAD STYLE –

HOLE SIZE (INCHES)	ANCHOR LENGTH (INCHES)	PART NUMBER	QTY
1/4	2	**507294**	25
1/4	3	**507295**	20
1/4	4	**507296**	20

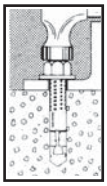


– HEX NUT STYLE –

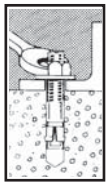
HOLE SIZE (INCHES)	ANCHOR LENGTH (INCHES)	PART NUMBER	QTY
3/8	1-7/8	**507276**	25
3/8	3	**507277**	25
1/2	2-1/4	**507278**	25
1/2	3	**507279**	25
5/8	2-1/4	**507280**	10
5/8	3	**507281**	10



Drill hole in concrete. Maximum depth of drilled hole could be minimum recommended depth.



Drive stud bolt anchor into drilled hole through fixture so that nut is flush with fixture.



Tighten nut until wrench resistance is felt. Anchorage is complete.

MACHINE SCREW ANCHORS

- **A popular expansion shield made of lead sleeve and threaded metal cone of rustproof alloy.**
- **Cannot be installed incorrectly.**
- **In solid masonry, lead sleeve expands into irregularities of holes.**
- **For use with machine screws and bolts.**





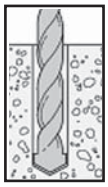
– MACHINE SCREW ANCHORS – SIZE (INCHES)	LENGTH (INCHES)	PART NUMBER	QTY
10-24	11/16	**507240**	12
1/4-20	7/8	**507241**	12
3/8-16	1-5/16	**507242**	12
1/2-13	1-9/16	**507243**	12

– SETTING TOOLS – SIZE (INCHES)	PART NUMBER
10-24	**507244**
1/4-20	**507245**
3/8-16	**507246**
1/2-13	**507247**

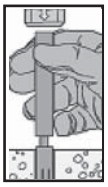
DROP-IN ANCHORS

Designed for flush mount applications in solid base materials.

- **Internally threaded.**
- **Deformation controlled expansion anchor.**
- **Preassembled expander plug.**
- **Carbon steel.**
- **Positive setting.**
- **Use drill diameter same as size as hole diameter.**



Drill hole.



Insert anchor tap with hammer. Use setting tool to drive expander plug.



Place fixture over anchor. Insert and tighten fastener.

Protected by LUSTERPLATE™ against rust & corrosion

– ANCHOR –



– TOOL –

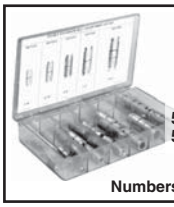


PART NUMBER	QTY	ANCHOR SIZE I.D.xTHREADxLENGTH	HOLE SIZE	EMBEDMENT DEPTH	MAX. LOAD LBS.	SETTING TOOL NUMBER
507475	20	1/4-20 x 1	3/8	1	460	**507480**
507476	20	3/8-16 x 1-1/2	1/2	1-1/2	990	**507481**
507477	10	1/2-13 x 2	5/8	2	1525	**507482**
507478	10	5/8-11 x 2-1/2	7/8	2-1/2	2170	**507483**
507479	5	3/4-10 x 3-1/8	1	3	2690	**507484**

DOUBLE EXPANSION ANCHORS



SIZE (INCHES)	ANCHOR LENGTH (INCHES)	PART NUMBER	HOLE SIZE (INCHES)	HOLDING POWER (LBS.)	QTY
1/4	1-3/8	**507251**	1/2	200	10
5/16	1-3/4	**507252**	5/8	300	10
3/8	2-1/16	**507253**	3/4	450	10
1/2	2-1/2	**507254**	7/8	1,000	6
5/8	3	**507255**	1	1,500	6
3/4	4	**507256**	1-1/4	2,000	6



Part No. 507250
23 pieces • 5 items
12047 plastic tray

507251 **507253** **507255**
507252 **507254**

Numbers in assortment

- **Increasing holding power of wall materials.**
- **Heavy duty expansion shield which distributes load on the full length of side casting.**
- **For use with machine bolts.**

LAG SCREW SHIELDS

Provides secure anchorage of lag screws in mortar, stone and other types of solid masonry.





- **A precision die-cast expansion shield of rustproof alloy.**
- **Heavy external corrugations assure powerful gripping action.**

SIZE (INCHES)	ANCHOR LENGTH (INCHES)	"SHORT" PART NUMBER	HOLE SIZE (INCHES)	QTY
1/4	1	**507261**	1/2	20
5/16	1-1/4	**507262**	1/2	20
3/8	1-3/4	**507263**	5/8	20
1/2	2	**507264**	3/4	20

SIZE (INCHES)	ANCHOR LENGTH (INCHES)	"LONG" PART NUMBER	HOLE SIZE (INCHES)	QTY
1/4	1-1/2	**507266**	1/2	20
5/16	1-3/4	**507267**	1/2	20
3/8	2-7/16	**507268**	5/8	20
1/2	3-1/2	**507269**	3/4	20



Long Lag Sheilds
Part No. 507265
24 pieces • 4 items
12047 plastic tray

507266 **507268**
507267 **507269**

Numbers in assortment

B - FITTINGS/HYDRAULICS/HOSE













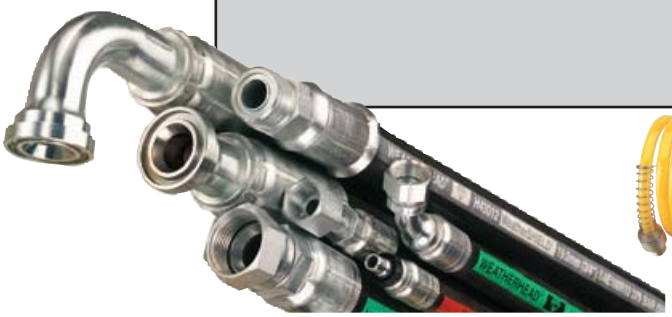




B10	PIPE FITTINGS	B10
B11	PNEUMATIC ACCESSORIES	B11
B12	HOSE CLAMPS	B12
B13	BRASS FITTINGS	B13
B14	O-RINGS	B14
B15	LUBRICATION FITTINGS	B15
B29	*HYDRAULICS BY WEATHERHEAD	B29

Weatherhead Brand Hydraulic Hose and Fittings. Order using the ***Weatherhead*** stock numbers. We ship the same day!











B-FITTINGS/HYDRAULICS/HOSE

B10-PIPE FITTINGS

Ball Valves B10-8
Copper Sweat Fittings B10-7
Gate Valves B10-8
Malleable Iron Pipe Fittings B10-1-2
Schedule 40 Black B10-1-2
Schedule 40 Galvanized B10-1-2
Schedule 80 Black B10-2-3
PVC Schedule 40 Pipe Fittings B10-5
PVC Schedule 80 Pipe Fittings B10-6
Stainless Steel 304 Pipe Fittings . .B10-3-4
Sweat Fittings B10-7
Valves B10-8

B11-PNEUMATIC ACCESSORIS

Air Hose Connectors B11-9
Air Hose Fittings B11-9
Air Hoses B11-1
Air Line Chucks B11-3
Air Line Couplers B11-5-9
ARO 210 . . . . . .B11-7
Brass Push Lock B11-7
Double Shut Off B11-8
Industrial B11-6-7
Lincoln Long Stem B11-8
Milton Style B11-5-6
Tru-Flate B11-7
Air Line Filter B11-2
Air Line Gauge B11-2
Replacement Parts B11-2
Air Line Nipples B11-6-8
Air Line Plugs B11-5-6
Air Line Regulator B11-2
Ball Swivel Air Hose
Connectors & Fittings B11-9
Blow Guns B11-3-4A
Pocket B11-3
Chucks B11-3
Couplers B11-5-9
Cross Reference B11-10
Safety B11-9
Universal B11-8
Dust Caps & Plugs B11-9
Hose Wrap B11-1
Hydraulic Quick Couplers B11-9
Inflator Gauge B11-2
Nipples B11-6-8
Non-Kink Air Hose B11-1
Non-Marking Couplers B11-8
Perma Hose B11-1
Plugs B11-5-6
Pocket Blo-Guns B11-3
Polyurethane Air Hose B11-1
Pressure Gauge B11-2
Quick Couplers B11-9
Cross Reference B11-10
Quick Disconnect Couplers B11-8
Regulator B11-2
Self Coiling Air Hose B11-1
Universal Couplers B11-8
Whip Hose B11-1

B12-HOSE CLAMPS

Constant Torque Hose Clamps B12-2
Ear Clamps (2") B12-3
Hi-Torque Heavy Duty
Liner Hose Clamps B12-2
Hose Ferrules B12-4
Crimping Tool B12-4
Lined Hose Clamps B12-2
Make-A-Clamp B12-3
Micro Clamps B12-2
Norma Torro® Hose Clamps
(European Style) B12-3
Pincers (Plier Tools) B12-4
Pliers B12-4
Self-Adjusting B12-3
Spring Action B12-4
Stainless Steel 100%
(Band - Screw - Drive) B12-1
Standard Hose Clamps B12-1
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NOTES

SCHEDULE 40 MALLEABLE IRON PIPE FITTINGS

SCHEDULE 40 BLACK & GALVANIZED MALLEABLE IRON PIPE FITTINGS

Use for piping systems. For air, gas, oil, water, steam, boilers, trucks, solvents, hydraulics and odd jobs.

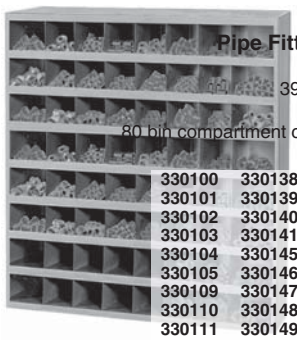
- **Made in U.S.A.**
- **150 lbs. continuous pressure rating.**
- **Chamfered threads for easier assembly.**
- **Meets schedule 40 specifications.**

Federal Specifications:

Elbows, tees and reducers: WW-P-521
Caps, plugs and bushings: WW-P-471
Unions: WW-U-531

American Standard Specifications:

ANSI B16.3



Malleable Iron Pipe Fitting Assortment
Part No. 501468
391 pieces • 54 items
Sizes 1/8 thru 1"
80 bin compartment combination cabinet
(2) #12021 40 bins

330100	330138	330163	330221
330101	330139	330165	330223
330102	330140	330172	330231
330103	330141	330173	330233
330104	330145	330174	330240
330105	330146	330176	330242
330109	330147	330179	330249
330110	330148	330181	330251
330111	330149	330212	330259
330112	330150	330213	330260
330113	330154	330214	330267
330114	330156	330215	330268
330136	330158	330216	
330137	330159	330217	

Assortment photo for illustration purposes only. Actual contents may vary.

Numbers in assortment



Malleable Iron Pipe Fitting Steel Tray Assortment
Part No. 501467
57 pieces • 24 items
12017 steel tray

330100	330119	330145	330157	330213
330101	330127	330146	330158	330221
330109	330128	330154	330174	330222
330110	330136	330155	330209	330231
330118	330137	330156	330212	

Numbers in assortment

PIPE NIPPLES ON NEXT PAPE

GROUND JOINT UNIONS



PART NUMBER BLACK	PART NUMBER GALVANIZED	SIZE (INCHES)
330187	330387	1/8
330188	330388	1/4
330189	330389	3/8
330190	330390	1/2
330191	330391	3/4
330192	330392	1
330193	330393	1-1/4
330194	330394	1-1/2
330195	330395	2

SQUARE HEAD PLUGS



*Steel

PART NUMBER BLACK	PART NUMBER GALVANIZED	SIZE (INCHES)
330212	330412	1/8*
330213	330413	1/4*
330214	330414	3/8*
330215	330415	1/2
330216	330416	3/4
330217	330417	1
330218	330418	1-1/4
330219	330419	1-1/2
330220	330420	2

CAPS



*Steel

PART NUMBER BLACK	PART NUMBER GALVANIZED	SIZE (INCHES)
330196	330396	1/8*
330197	330397	1/4*
330198	330398	3/8*
330199	330399	1/2
330200	330400	3/4
330201	330401	1
330202	330402	1-1/4
330203	330403	1-1/2
330204	330404	2

STREET TEES



(Black)

PART NUMBER	SIZE (INCHES)
330209	1/4
330210	3/8
330211	1/2

ALLOY STEEL SOCKET HEAD PLUGS



(Black)

PART NUMBER	SIZE (INCHES)
330205	1/8
330206	1/4
330207	3/8
330208	1/2

90° ELBOWS



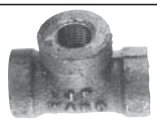
PART NUMBER BLACK	PART NUMBER GALVANIZED	SIZE (INCHES)
330100	330300	1/8
330101	330301	1/4
330102	330302	3/8
330103	330303	1/2
330104	330304	3/4
330105	330305	1
330106	330306	1-1/4
330107	330307	1-1/2
330108	330308	2

45° ELBOWS



PART NUMBER BLACK	PART NUMBER GALVANIZED	SIZE (INCHES)
330118	330318	1/8
330119	330319	1/4
330120	330320	3/8
330121	330321	1/2
330122	330322	3/4
330123	330323	1
330124	330324	1-1/4
330125	330325	1-1/2
330126	330326	2

TEES



PART NUMBER BLACK	PART NUMBER GALVANIZED	SIZE (INCHES)
330145	330345	1/8
330146	330346	1/4
330147	330347	3/8
330148	330348	1/2
330149	330349	3/4
330150	330350	1
330151	330351	1-1/4
330152	330352	1-1/2
330153	330353	2

REDUCERS



PART NUMBER BLACK	PART NUMBER GALVANIZED	SIZE (INCHES)
330172	330372	1/4 x 1/8
330173	330373	3/8 x 1/8
330174	330374	3/8 x 1/4
330175	330375	1/2 x 1/4
330176	330376	1/2 x 3/8
330177	330377	3/4 x 1/4
330178	330378	3/4 x 3/8
330179	330379	3/4 x 1/2
330180	330380	1 x 1/2
330181	330381	1 x 3/4
330182	330382	1-1/4 x 3/4
330183	330383	1-1/4 x 1
330184	330384	1-1/2 x 1-1/4
330185	330385	2 x 1-1/4
330186	330386	2 x 1-1/2

90° STREET ELBOWS



PART NUMBER BLACK	PART NUMBER GALVANIZED	SIZE (INCHES)
330109	330309	1/8
330110	330310	1/4
330111	330311	3/8
330112	330312	1/2
330113	330313	3/4
330114	330314	1
330115	330315	1-1/4
330116	330316	1-1/2
330117	330317	2

45° STREET ELBOWS



PART NUMBER BLACK	PART NUMBER GALVANIZED	SIZE (INCHES)
330127	330327	1/8
330128	330328	1/4
330129	330329	3/8
330130	330330	1/2
330131	330331	3/4
330132	330332	1
330133	330333	1-1/4
330134	330334	1-1/2
330135	330335	2

STEEL COUPLINGS



PART NUMBER BLACK	PART NUMBER GALVANIZED	SIZE (INCHES)
330136	330336	1/8
330137	330337	1/4
330138	330338	3/8
330139	330339	1/2
330140	330340	3/4
330141	330341	1
330142	330343	1-1/4
330143	330343	1-1/2
330144	330344	2

HEX BUSHINGS



*Steel

PART NUMBER BLACK	PART NUMBER GALVANIZED	SIZE (INCHES)
330154	330354	1/4 x 1/8*
330155	330355	3/8 x 1/8*
330156	330356	3/8 x 1/4*
330157	330357	1/2 x 1/8*
330158	330358	1/2 x 1/4*
330159	330359	1/2 x 3/8*
330160	330360	3/4 x 1/8
330161	330361	3/4 x 1/4
330162	330362	3/4 x 3/8
330163	330363	3/4 x 1/2
330164	330364	1 x 1/2
330165	330365	1 x 3/4
330166	330366	1-1/4 x 3/4
330167	330367	1-1/4 x 1
330168	330368	1-1/2 x 3/4
330169	330369	1-1/2 x 1
330170	330370	1-1/2 x 1-1/4
330171	330371	2 x 1-1/2

SCHEDULE 40 & 80 MALLEABLE IRON PIPE FITTINGS

SCHEDULE 40 BLACK & GALVANIZED MALLEABLE IRON PIPE FITTINGS

PIPE NIPPLES



- Welded steel.
- Federal specifications WWP-404D ASTM spec A-53F.

PART NUMBER BLACK	PART NUMBER GALVANIZED	SIZE M x F (INCHES)
330221	330421	1/8 x Close
330222	330422	1/8 x 1-1/2
330223	330423	1/8 x 2
330224	330424	1/8 x 2-1/2
330225	330425	1/8 x 3
330226	330426	1/8 x 3-1/2
330227	330427	1/8 x 4
330228	330428	1/8 x 4-1/2
330229	330429	1/8 x 5
330230	330430	1/8 x 5-1/2
330231	330431	1/4 x Close
330232	330432	1/4 x 1-1/2
330233	330433	1/4 x 2
330234	330434	1/4 x 2-1/2

PART NUMBER BLACK	PART NUMBER GALVANIZED	SIZE M x F (INCHES)
330235	330435	1/4 x 3
330236	330436	1/4 x 3-1/2
330237	330437	1/4 x 4
330238	330438	1/4 x 5
330239	330439	1/4 x 6
330240	330440	3/8 x Close
330241	330441	3/8 x 1-1/2
330242	330442	3/8 x 2
330243	330443	3/8 x 2-1/2
330244	330444	3/8 x 3
330245	330445	3/8 x 3-1/2
330246	330446	3/8 x 4
330247	330447	3/8 x 5
330248	330448	3/8 x 6

PART NUMBER BLACK	PART NUMBER GALVANIZED	SIZE M x F (INCHES)
330249	330449	1/2 x Close
330250	330450	1/2 x 1-1/2
330251	330451	1/2 x 2
330252	330451	1/2 x 2-1/2
330253	330453	1/2 x 3
330254	330454	1/2 x 3-1/2
330255	330455	1/2 x 4
330256	330456	1/2 x 4-1/2
330257	330457	1/2 x 5
330258	330458	1/2 x 6
330259	330459	3/4 x Close
330260	330460	3/4 x 2
330261	330461	3/4 x 2-1/2
330262	330462	3/4 x 3
330263	330463	3/4 x 3-1/2
330264	330464	3/4 x 4
330265	330465	3/4 x 5
330266	330466	3/4 x 6
330267	330467	1 x Close
330268	330468	1 x 2

PART NUMBER BLACK	PART NUMBER GALVANIZED	SIZE M x F (INCHES)
330269	330469	1 x 3
330270	330470	1 x 4
330271	330471	1 x 5
330272	330472	1 x 6
330273	330473	1-1/4 x Close
330274	330474	1-1/4 x 3
330275	330475	1-1/4 x 4
330276	330476	1-1/4 x 5
330277	330477	1-1/4 x 6
330278	330478	1-1/2 x Close
330279	330479	1-1/2 x 3
330280	330480	1-1/2 x 4
330281	330481	1-1/2 x 5
330282	330482	1-1/2 x 6
330283	330483	2 x Close
330284	330484	2 x 3
330285	330485	2 x 4
330286	330486	2 x 5
330287	330487	2 x 6

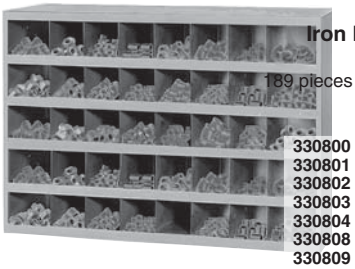
SCHEDULE 80 BLACK MALLEABLE IRON PIPE FITTINGS

Use for piping systems. For air, gas, oil, water, steam, boilers, trucks, solvents, hydraulics and odd jobs.

- Made in U.S.A.
- 300 lbs. continuous pressure rating.
- Chamfered threads for easier assembly.
- Meets schedule 80 specifications.

American Standard Specifications:

ANSI B16.3 and B16.39 unions

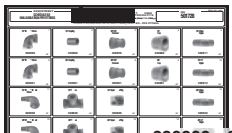


Schedule 80 Malleable Iron Pipe Fitting Assortment
Part No. 501727
189 pieces • 39 items • Sizes 1/4 thru 1"
40 bin cabinet #12021

330800	330830	330859	330913
330801	330831	330861	330922
330802	330832	330864	330924
330803	330833	330866	330933
330804	330834	330888	330935
330808	330838	330889	330944
330809	330839	330890	330946
330810	330840	330891	330955
330811	330841	330892	330956
330812	330842	330911	

Assortment photo for illustration purposes only. Actual contents may vary.

Numbers in assortment



Malleable Iron Pipe Fitting Steel Tray Assortment
Part No. 501728
48 pieces • 18 items
12071 steel tray

330800	330830	330859	330888	330922
330801	330831	330861	330889	330924
330808	330838	330880	330911	
330809	330839	330881	330913	

Numbers in assortment

90° ELBOWS



PART NUMBER	SIZE (INCHES)
330800	1/4
330801	3/8
330802	1/2
330803	3/4
330804	1
330805	1-1/4
330806	1-1/2
330807	2

90° STREET ELBOWS



PART NUMBER	SIZE (INCHES)
330808	1/4
330809	3/8
330810	1/2
330811	3/4
330812	1
330813	1-1/4
330814	1-1/2
330815	2

45° ELBOWS



PART NUMBER	SIZE (INCHES)
330816	1/4
330817	3/8
330818	1/2
330819	3/4
330820	1
330821	1-1/4
330822	1-1/2
330823	2

45° STREET ELBOWS



PART NUMBER	SIZE (INCHES)
330824	1/2
330825	3/4
330826	1
330827	1-1/4
330828	1-1/2
330829	2

TEES



PART NUMBER	SIZE (INCHES)
330838	1/4
330839	3/8
330840	1/2
330841	3/4
330842	1
330843	1-1/4
330844	1-1/2
330845	2

COUPLINGS



PART NUMBER	SIZE (INCHES)
330830	1/4
330831	3/8
330832	1/2
330833	3/4
330834	1
330835	1-1/4
330836	1-1/2
330837	2

SQUARE HEAD PLUGS



Forged Steel

PART NUMBER	SIZE (INCHES)
330888	1/4
330889	3/8
330890	1/2
330891	3/4
330892	1
330893	1-1/4
330894	1-1/2
330895	2

CAPS



PART NUMBER	SIZE (INCHES)
330880	1/4
330881	3/8
330882	1/2
330883	3/4
330884	1
330885	1-1/4
330886	1-1/2
330887	2

GROUND JOINT UNIONS



PART NUMBER	SIZE (INCHES)
330872	1/4
330873	3/8
330874	1/2
330875	3/4
330876	1
330877	1-1/4
330878	1-1/2
330879	2

SCHEDULE 80 & 304 STAINLESS STEEL PIPE FITTINGS

SCHEDULE 80 BLACK MALLEABLE IRON PIPE FITTINGS

HEX BUSHINGS

Forged Steel



PART NUMBER	SIZE (INCHES)
330846	1/2 x 1/4
330847	1/2 x 3/8
330848	3/4 x 1/4
330849	3/4 x 3/8
330850	3/4 x 1/2
330851	1 x 1/2
330852	1 x 3/4
330853	1-1/4 x 3/4
330854	1-1/4 x 1
330855	1-1/2 x 3/4
330856	1-1/2 x 1
330857	1-1/2 x 1-1/4
330858	2 x 1-1/2

REDUCERS



PART NUMBER	SIZE (INCHES)
330859	3/8 x 1/4
330860	1/2 x 1/4
330861	1/2 x 3/8
330862	3/4 x 1/4
330863	3/4 x 3/8
330864	3/4 x 1/2
330865	1 x 1/2
330866	1 x 3/4
330867	1-1/4 x 3/4
330868	1-1/4 x 1
330869	1-1/2 x 1-1/4
330870	2 x 1-1/4
330871	2 x 1-1/2

PIPE NIPPLES

- Welded steel.
- Meets ASTM spec A-53F schedule 80.



PART NUMBER	SIZE (INCHES)
330900	1/8 x Close
330901	1/8 x 1-1/2
330902	1/8 x 2
330903	1/8 x 2-1/2
330904	1/8 x 3
330905	1/8 x 3-1/2
330906	1/8 x 4
330907	1/8 x 4-1/2
330908	1/8 x 5
330909	1/8 x 5-1/2
330910	1/8 x 6
330911	1/4 x Close
330912	1/4 x 1-1/2
330913	1/4 x 2
330914	1/4 x 2-1/2
330915	1/4 x 3
330916	1/4 x 3-1/2
330917	1/4 x 4
330918	1/4 x 4-1/2
330941	1/2 x 5
330942	1/2 x 5-1/2
330943	1/2 x 6
330919	1/4 x 5
330920	1/4 x 5-1/2
330921	1/4 x 6
330922	3/8 x Close
330923	3/8 x 1-1/2
330924	3/8 x 2
330925	3/8 x 2-1/2
330926	3/8 x 3
330927	3/8 x 3-1/2
330928	3/8 x 4
330929	3/8 x 4-1/2
330930	3/8 x 5
330931	3/8 x 5-1/2
330932	3/8 x 6
330933	1/2 x Close
330934	1/2 x 1-1/2
330935	1/2 x 2
330936	1/2 x 2-1/2
330937	1/2 x 3
330938	1/2 x 3-1/2
330939	1/2 x 4
330940	1/2 x 4-1/2
330944	3/4 x Close
330945	3/4 x 1-1/2
330946	3/4 x 2
330947	3/4 x 2-1/2
330948	3/4 x 3
330949	3/4 x 3-1/2
330950	3/4 x 4
330951	3/4 x 4-1/2
330952	3/4 x 5
330953	3/4 x 5-1/2
330954	3/4 x 6
330955	1 x Close
330956	1 x 2
330957	1 x 2-1/2
330958	1 x 3
330959	1 x 3-1/2
330960	1 x 4
330961	1 x 4-1/2
330962	1 x 5
330963	1 x 5-1/2
330964	1 x 6
330965	1-1/4 x Close
330966	1-1/4 x 2
330967	1-1/4 x 2-1/2
330968	1-1/4 x 3
330969	1-1/4 x 3-1/2
330970	1-1/4 x 4
330971	1-1/4 x 4-1/2
330972	1-1/4 x 5
330973	1-1/4 x 5-1/2
330974	1-1/4 x 6
330975	1-1/2 x Close
330976	1-1/2 x 2
330977	1-1/2 x 2-1/2
330978	1-1/2 x 3
330979	1-1/2 x 3-1/2
330980	1-1/2 x 4
330981	1-1/2 x 4-1/2
330982	1-1/2 x 5
330983	1-1/2 x 5-1/2
330984	1-1/2 x 6
330985	2 x Close
330986	2 x 2-1/2
330987	2 x 3
330988	2 x 3-1/2
330989	2 x 4
330990	2 x 4-1/2
330991	2 x 5
330992	2 x 5-1/2
330993	2 x 6

304 STAINLESS STEEL PIPE FITTINGS

Use for piping systems. For air, gas, oil, water, steam, boilers, trucks, solvents, hydraulics and odd jobs.

- **150 lbs. continuous pressure rating.**
- **Chamfered threads for easier assembly.**
- **Screw Type.**

American Standard Specifications:

ASTM-A351



Assortment photo for illustration purposes only. Actual contents may vary.

304 Stainless Steel Pipe Fitting Assortment
Part No. 501694
169 pieces • 54 items • Sizes 1/8 thru 1"
80 bin compartment combination cabinet (2) #12021 40 bins

330500	330514	330549	330576	330631
330501	330536	330550	330579	330633
330502	330537	330554	330581	330640
330503	330538	330556	330612	330642
330504	330539	330558	330613	330649
330505	330540	330559	330614	330651
330509	330541	330563	330615	330659
330510	330545	330565	330616	330660
330511	330546	330572	330617	330667
330512	330547	330573	330621	330668
330513	330548	330574	330623	

Numbers in assortment



304 Stainless Steel Pipe Fitting Steel Tray Assortment
Part No. 501693
54 pieces • 22 items
12017 steel tray

330500	330519	330554	330572	330622
330501	330536	330555	330574	330631
330509	330537	330556	330612	
330510	330545	330558	330613	
330518	330546	330559	330621	

Numbers in assortment

90° ELBOWS



PART NUMBER	SIZE (INCHES)
330500	1/8
330501	1/4
330502	3/8
330503	1/2
330504	3/4
330505	1
330506	1-1/4
330507	1-1/2
330508	2

90° STREET ELBOWS



PART NUMBER	SIZE (INCHES)
330509	1/8
330510	1/4
330511	3/8
330512	1/2
330513	3/4
330514	1
330515	1-1/4
330516	1-1/2
330517	2

45° ELBOWS



PART NUMBER	SIZE (INCHES)
330518	1/8
330519	1/4
330520	3/8
330521	1/2
330522	3/4
330523	1
330524	1-1/4
330525	1-1/2
330526	2

CAPS



PART NUMBER	SIZE (INCHES)
330596	1/8
330597	1/4
330598	3/8
330599	1/2
330600	3/4
330601	1
330602	1-1/4
330603	1-1/2
330604	2

TEES



PART NUMBER	SIZE (INCHES)
330545	1/8
330546	1/4
330547	3/8
330548	1/2
330549	3/4
330550	1
330551	1-1/4
330552	1-1/2
330553	2

COUPLINGS



PART NUMBER	SIZE (INCHES)
330536	1/8
330537	1/4
330538	3/8
330539	1/2
330540	3/4
330541	1
330542	1-1/4
330543	1-1/2
330544	2

304 STAINLESS STEEL PIPE FITTINGS

304 STAINLESS STEEL PIPE FITTINGS

PIPE NIPPLES



- 304 stainless steel.
- Material conforms to ASTM-A312-83.
- Threading conforms to USAS-B12.1-1968.
- 150 lbs. rated.

PART NUMBER	SIZE (INCHES)
330621	1/8 x Close
330622	1/8 x 1-1/2
330623	1/8 x 2
330624	1/8 x 2-1/2
330625	1/8 x 3
330626	1/8 x 3-1/2
330627	1/8 x 4
330628	1/8 x 4-1/2
330629	1/8 x 5
330630	1/8 x 5-1/2
330631	1/4 x Close
330632	1/4 x 1-1/2
330633	1/4 x 2
330634	1/4 x 2-1/2
330635	1/4 x 3
330636	1/4 x 3-1/2
330637	1/4 x 4
330638	1/4 x 5
330639	1/4 x 6
330640	3/8 x Close
330641	3/8 x 1-1/2
330642	3/8 x 2
330643	3/8 x 2-1/2
330644	3/8 x 3
330645	3/8 x 3-1/2
330646	3/8 x 4
330647	3/8 x 5
330648	3/8 x 6
330649	1/2 x Close
330650	1/2 x 1-1/2
330651	1/2 x 2
330652	1/2 x 2-1/2
330653	1/2 x 3
330654	1/2 x 3-1/2
330655	1/2 x 4
330656	1/2 x 4-1/2
330657	1/2 x 5
330658	1/2 x 6
330659	3/4 x Close
330660	3/4 x 2
330661	3/4 x 2-1/2
330662	3/4 x 3
330663	3/4 x 3-1/2
330664	3/4 x 4
330665	3/4 x 5
330666	3/4 x 6
330667	1 x Close
330668	1 x 2
330669	1 x 3
330670	1 x 4
330671	1 x 5
330672	1 x 6
330673	1-1/4 x Close
330674	1-1/4 x 3
330675	1-1/4 x 4
330676	1-1/4 x 5
330677	1-1/4 x 6
330678	1-1/2 x Close
330679	1-1/2 x 3
330680	1-1/2 x 4
330681	1-1/2 x 5
330682	1-1/2 x 6
330683	2 x Close
330684	2 x 3
330685	2 x 4
330686	2 x 5
330687	2 x 6

HEX BUSHINGS



PART NUMBER	SIZE (INCHES)
330554	1/4 x 1/8
330555	3/8 x 1/8
330556	3/8 x 1/4
330558	1/2 x 1/4
330559	1/2 x 3/8
330560	3/4 x 1/8
330561	3/4 x 1/4
330562	3/4 x 3/8
330563	3/4 x 1/2
330564	1 x 1/2
330565	1 x 3/4
330566	1-1/4 x 3/4
330567	1-1/4 x 1
330568	1-1/2 x 3/4
330569	1-1/2 x 1
330570	1-1/2 x 1-1/4
330571	2 x 1-1/2

REDUCERS



PART NUMBER	SIZE (INCHES)
330572	1/4 x 1/8
330573	3/8 x 1/8
330574	3/8 x 1/4
330575	1/2 x 1/4
330576	1/2 x 3/8
330577	3/4 x 1/4
330578	3/4 x 3/8
330579	3/4 x 1/2
330580	1 x 1/2
330581	1 x 3/4
330582	1-1/4 x 3/4
330583	1-1/4 x 1
330584	1-1/2 x 1-1/4
330585	2 x 1-1/4
330586	2 x 1-1/2

SOCKET HEAD PLUG



PART NUMBER	SIZE (INCHES)
330605	1/8
330606	1/4
330607	3/8
330608	1/2

SQUARE HEAD PLUGS



PART NUMBER	SIZE (INCHES)
330612	1/8
330613	1/4
330614	3/8
330615	1/2
330616	3/4
330617	1
330618	1-1/4
330619	1-1/2
330620	2

GROUND JOINT UNIONS



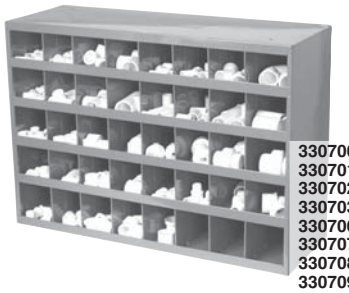
PART NUMBER	SIZE (INCHES)
330587	1/8
330588	1/4
330589	3/8
330590	1/2
330591	3/4
330592	1
330593	1-1/4
330594	1-1/2
330595	2

PVC SCHEDULE 40 PIPE FITTINGS

PVC SCHEDULE 40 PIPE FITTINGS

Used in chemical processing, water distribution, deionized water lines, drainage and irrigation systems.

- PVC is a polyvinylchloride Type 1, Grade 1.
- Meets ASTM D-2466 and D-1784 specifications.
- Maximum temperature 140°F.
- NSF certified for potable water applications.
- Outstanding chemical resistance to nearly all acids,alkalis, alcohols, halogens, and many other corrosive materials.
- Less moisture condensation, reduced heat loss, more uniform fluid temperature than metallics.
- Used in many industrial, commercial, residential and institutional applications.
- Joined by solvent cementing.
- White in color.
- Not recommended for use in air or compressed gases.
- Burst pressure 220 PSI.



Assortment photo for illustration purposes only. Actual contents may vary.

PVC Schedule 40 Pipe Fitting Assortment
Part No. 501703
183 pieces • 37 items
40 bin cabinet #12021

330700	330714	330730	330744
330701	330715	330731	330745
330702	330718	330732	330748
330703	330719	330733	330749
330706	330720	330736	330750
330707	330721	330737	330751
330708	330724	330738	
330709	330725	330739	
330712	330726	330742	
330713	330727	330743	

Numbers in assortment

TEES

Slip x Slip x Slip



PART NUMBER	SIZE (INCHES)	QTY
330712	1/2	10
330713	3/4	10
330714	1	5
330715	1-1/4	5
330716	1-1/2	2
330717	2	2

COUPLINGS

Slip x Slip



PART NUMBER	SIZE (INCHES)	QTY
330718	1/2	10
330719	3/4	10
330720	1	10
330721	1-1/4	5
330722	1-1/2	5
330723	2	5

UNIONS

Slip x Slip



PART NUMBER	SIZE (INCHES)	QTY
330730	1/2	2
330731	3/4	2
330732	1	2
330733	1-1/4	1
330734	1-1/2	1
330735	2	1

CAPS



PART NUMBER	SIZE (INCHES)	QTY
330724	1/2	10
330725	3/4	10
330726	1	10
330727	1-1/4	5
330728	1-1/2	5
330729	2	5

FEMALE ADAPTERS

Slip x Female Pipe Thread



PART NUMBER	SIZE (INCHES)	QTY
330736	1/2	10
330737	3/4	10
330738	1	10
330739	1-1/4	5
330740	1-1/2	5
330741	2	5

90° ELBOWS

Slip x Slip



PART NUMBER	SIZE (INCHES)	QTY
330700	1/2	10
330701	3/4	10
330702	1	5
330703	1-1/4	5
330704	1-1/2	2
330705	2	2

45° ELBOWS

Slip x Slip



PART NUMBER	SIZE (INCHES)	QTY
330706	1/2	5
330707	3/4	5
330708	1	5
330709	1-1/4	5
330710	1-1/2	2
330711	2	2

MALE ADAPTERS

Slip x Male Pipe Thread



PART NUMBER	SIZE (INCHES)	QTY
330742	1/2	10
330743	3/4	10
330744	1	10
330745	1-1/4	5
330746	1-1/2	5
330747	2	5

BUSHINGS

Slip x Slip



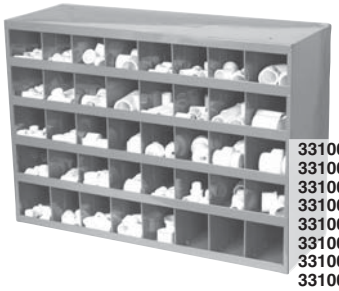
PART NUMBER	SIZE (INCHES)	QTY
330748	3/4 x 1/2	10
330749	1 x 3/4	5
330750	1-1/4 x 1	5
330751	1-1/2 x 1	5
330752	1-1/2 x 1-1/4	5
330753	2 x 1-1/2	5

PVC SCHEDULE 80 PIPE FITTINGS

PVC SCHEDULE 80 PIPE FITTINGS

Used in chemical processing, water distribution, deionized water lines, drainage and irrigation systems.

- Formulated with UV screens for long term outdoor exposure.
- PVC is a polyvinylchloride Type 1, Grade 1.
- Meets ASTM D-2466 and D-1784 specifications.
- Maximum temperature 140°F.
- NSF certified for potable water applications.
- Outstanding chemical resistance to nearly all acids,alkalis, alcohols, salt solutions, halogens, & many other corrosive materials.
- Less moisture condensation, reduced heat loss, more uniform fluid temperature than metallics.
- Used in many industrial, commercial, residential and institutional applications.
- Joined by solvent cementing.
- Grey in color.
- Not recommended for use in air or compressed gases.
- Burst pressure 320 PSI.



Assortment photo for illustration purposes only. Actual contents may vary.

PVC Schedule 80 Pipe Fitting Assortment
Part No. 501732
106 pieces • 37 items
40 bin cabinet #12021

331000	331014	331030	331044
331001	331015	331031	331045
331002	331018	331032	331048
331003	331019	331033	331049
331006	331020	331036	331050
331007	331021	331037	331051
331008	331024	331038	331052
331009	331025	331039	
331012	331026	331042	
331013	331027	331043	

Numbers in assortment

TEES
Slip x Slip x Slip



PART NUMBER	SIZE (INCHES)
331012	1/2
331013	3/4
331014	1
331015	1-1/4
331016	1-1/2
331017	2

COUPLINGS
Slip x Slip



PART NUMBER	SIZE (INCHES)
331018	1/2
331019	3/4
331020	1
331021	1-1/4
331022	1-1/2
331023	2

90° ELBOWS
Slip x Slip



PART NUMBER	SIZE (INCHES)
331000	1/2
331001	3/4
331002	1
331003	1-1/4
331004	1-1/2
331005	2

UNIONS
Slip x Slip



PART NUMBER	SIZE (INCHES)
331030	1/2
331031	3/4
331032	1
331033	1-1/4
331034	1-1/2
331035	2

CAPS



PART NUMBER	SIZE (INCHES)
331024	1/2
331025	3/4
331026	1
331027	1-1/4
331028	1-1/2
331029	2

45° ELBOWS



PART NUMBER	SIZE (INCHES)
331006	1/2
331007	3/4
331008	1
331009	1-1/4
331010	1-1/2
331011	2

TEES
Slip x Male Pipe Thread



PART NUMBER	SIZE (INCHES)
331042	1/2
331043	3/4
331044	1
331045	1-1/4
331046	1-1/2
331047	2

BUSHINGS
Slip x Slip



PART NUMBER	SIZE (INCHES)
331048	3/4 x 1/2
331049	1 x 3/4
331050	1-1/4 x 1
331051	1-1/2 x 1
331052	1-1/2 x 1-1/4
331053	2 x 1-1/2

FEMALE ADAPTERS
Slip x Female Pipe Thread



PART NUMBER	SIZE (INCHES)
331036	1/2
331037	3/4
331038	1
331039	1-1/4
331040	1-1/2
331041	2

COPPER SWEAT FITTINGS

COPPER SWEAT FITTINGS

NPT (National Pipe Thread)

- Manufactured from high quality copper.
- Meets ANSI B-16.22 specifications.
- Pressure ratings equal to copper tubing, chamfered edges.

FLUSH BUSHINGS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360375	1/4x1/8	5
4360380	3/8x1/8	5
4360385	3/8x1/4	5
4360395	1/2x1/4	5
4360400	1/2x3/8	5
4360405	3/4x3/8	5
4360410	3/4x1/2	2
4360415	1x3/8	2
4360420	1x1/2	2
4360425	1x3/4	2

REDUCER BUSHINGS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360411	3/4x1/2	5
4360426	1x3/4	2
4360441	1-1/4x1	2
4360460	1-1/2x1-1/4	2
4360466	2x3/4	1
4360471	2x1	1
4360476	2x1-1/4	1
4360478	2x1-1/2	1

CAPS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360548	1/8	10
4360550	1/4	10
4360555	3/8	10
4360560	1/2	25
4360565	3/4	10
4360570	1	5
4360575	1-1/4	5
4360580	1-1/2	2
4360585	2	1

MALE ADAPTERS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360140	1/8	2
4360145	1/4	2
4360150	3/8	5
4360155	1/2	5
4360160	3/4	5
4360165	1	2
4360170	1-1/4	1
4360175	1-1/2	1
4360180	2	1

FEMALE ADAPTERS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360005	1/8	2
4360010	1/4	2
4360015	3/8	2
4360020	1/2	5
4360025	3/4	5
4360030	1	1
4360035	1-1/4	1
4360040	1-1/2	1
4360045	2	1

UNIONS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4362235	3/8	1
4362240	1/2	2
4362245	3/4	2
4362250	1	1
4362255	1-1/4	1
4362260	1-1/2	1
4362265	2	1

COUPLINGS with STOPS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360660	1/8	25
4360665	1/4	25
4360670	3/8	10
4360675	1/2	20
4360680	3/4	10
4360685	1	5
4360690	1-1/4	2
4360695	1-1/2	2
4360700	2	1

FEMALE TEES



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4362160	1/2	2
4362165	3/4	1
4362170	1	1

90° FITTING ELBOWS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4361245	3/8	5
4361250	1/2	5
4361255	3/4	5
4361260	1	1
4361265	1-1/4	1
4361270	1-1/2	1
4361275	2	1

45° FITTING ELBOWS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360990	3/8	2
4361000	1/2	5
4361005	3/4	5
4361010	1	1
4361015	1-1/4	1
4361020	1-1/2	1
4361025	2	1

TEES



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4361675	1/8	2
4361680	1/4	2
4361685	3/8	5
4361690	1/2	10
4361760	1/2x1/2x3/8	2
4361761	1/2x1/2x3/4	2
4361695	3/4	5
4361780	3/4x1/2x1/2	5
4361785	3/4x1/2x3/4	5
4361788	3/4x3/4x3/8	5
4361790	3/4x3/4x1/2	5
4361700	1	1
4361795	1x1/2x1/2	1
4361800	1x1/2x3/4	1
4361802	1x1/2x1	1
4361810	1x3/4x1/2	1
4361820	1x3/4x1	1
4361830	1x1x1/2	1
4361835	1x1x3/4	1
4361705	1-1/4	1
4361895	1-1/4x1-1/4x3/4	1
4361900	1-1/4x1-1/4x1	1
4361710	1-1/2	1
4361715	2	1

STRAPS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4250160	3/8	25
4250165	1/2	25
4250173	3/4	25
4250175	1	25

90° ELBOWS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4361040	1/4	5
4361045	3/8	5
4361050	1/2	10
4361055	3/4	5
4361060	1	2
4361065	1-1/4	1
4361070	1-1/2	1
4361075	2	1

45° ELBOWS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360935	1/4	2
4360940	3/8	2
4360945	1/2	5
4360950	3/4	5
4360955	1	1
4360960	1-1/4	1
4360965	1-1/2	1
4360970	2	1

FEMALE 90° ELBOWS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4361295	1/2	2
4361300	3/4	2

MALE 90° ELBOWS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4361430	1/2	2
4361435	3/4	2

REDUCING COUPLINGS without STOPS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360605	3/8	5
4360610	1/2	10
4360615	3/4	5
4360620	1	5

PLUGS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4361585	3/8	1
4361590	1/2	1
4361595	3/4	1

MALE FITTING ADAPTERS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360335	3/8	2
4360340	1/2	2
4360345	3/4	2
4360350	1	1
4360355	1-1/4	1
4360360	1-1/2	1
4360365	2	1

FEMALE FITTING ADAPTERS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360295	3/8	2
4360300	1/2	2
4360305	3/4	2
4360310	1	1
4360315	1-1/4	1
4360320	1-1/2	1
4360325	2	1

REDUCING COUPLINGS with STOPS



PART NUMBER	NPT/ TUBE SIZE (INCHES)	QTY
4360725	1/4x1/8	2
4360730	3/8x1/8	2
4360735	3/8x1/4	10
4360740	1/2x1/4	10
4360745	1/2x3/8	10
4360750	3/4x1/4	5
4360755	3/4x3/8	5
4360760	3/4x1/2	5
4360765	1x3/8	2
4360770	1x1/2	2
4360775	1x3/4	2
4360780	1-1/4x1/2	2
4360785	1-1/4x3/4	2
4360790	1-1/4x1	2
4360795	1-1/2x1/2	1
4360800	1-1/2x3/4	1
4360805	1-1/2x1	1
4360810	1-1/2x1-1/4	1
4360815	2x1/2	1
4360820	2x3/4	1
4360825	2x1	1
4360830	2x1-1/4	1
4360835	2x1-1/2	1

VALVES

BALL VALVES - BRONZE

For water, oil or gaslines in mines, factories, apartment complexes, farms, hospitals, nursing homes, hotels, office buildings, prisons.

- 2-piece, bronze construction.
- Hard chrome plated ball - for smooth operation.
- Durafill seats (80%PTFE, 10% glass fiber, 10% carbon/graphite mix) provide positive seal & durability.
- Bottom loaded stem & packing nut threaded to body - provide extra margin of safety.
- 600 PSI water, oil & gas, 150 PSI steam.
- Vinyl coated handle - protects hand in high temperature application.
- Female pipe thread - NPTF.



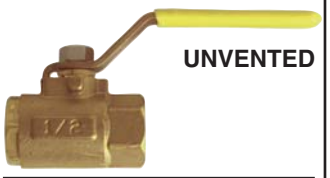
PART NUMBER	NPTF (INCHES)
508370	1/4-18
508371	3/8-18
508372	1/2-14
508373	3/4-14
508374	1-11-1/2
508364	1-1/4-11-1/2
508365	1-1/2-11-1/2
508366	2-11-1/2
508367	2-1/2-8
508368	3-8
508369	4-8

BALL VALVES - BRASS

For use as fuel line shutoffs for gasoline and diesel powered over the highway, off highway, and construction equipment vehicles. Water and air service lines on capital equipment and plant design plumbing that require total shutoff capability.

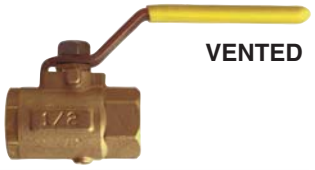
- Forged brass bodies.
- PTFE seats and seals, provide resistance to chemical corrosion.
- Blow-out proof stem.
- Chrome plated brass ball.
- Specially designed handle for increased turning leverage for ease of opening and closing.
- Female pipe thread NPT.
- 600 PSI water, oil & gas, 150 PSI. steam.
- 400°F.
- Vacuum, 29 inches of mercury.
- Vented up to 250 P.S.I. for vented valves.
- Locking handles use s 5/16" diameter shackle padlock.

UNVENTED



PART NUMBER WITHOUT LOCKING HANDLE	PART NUMBER WITH LOCKING HANDLE	PIPE THREAD SIZE (NPTF) (INCHES)
508750	508763	1/4-18
508751	508764	3/8-18
508752	508765	1/2-14
508753	508766	3/4-14
508754	508767	1-11-1/2
508755	508768	1-1/4-11-1/2
508756	508769	1-1/2-11-1/2
508757	508770	2-11-1/2

VENTED



PART NUMBER WITHOUT LOCKING HANDLE	PART NUMBER WITH LOCKING HANDLE	PIPE THREAD SIZE (NPTF) (INCHES)
508758	508771	1/4-18
508759	508772	3/8-18
508760	508773	1/2-14
508761	508774	3/4-14
508762	508775	1-11-1/2

FULL PORT BALL VALVES - BRASS

For use as shutoffs for highway, off highway, and construction equipment vehicles. Water and air service lines on capital equipment and plant design plumbing that require total shutoff capability.

- Forged brass.
- Full follow design assures maximum system efficiency.
- PTFE seats provides resistance to chemical corrosion.
- Two Viton o-rings at the stem provide maximum safety with no maintenance.
- Blow-out proof system.
- Chrome plated brass ball.
- Specifically designed handle enables increased turning leverage for ease of opening and closing.
- Female pipe thread (NPTF) ports.
- 600 PSI, saturated steam 150 PSI.
- 0°F - 350°F.
- Vacuum, 29 inches of mercury.



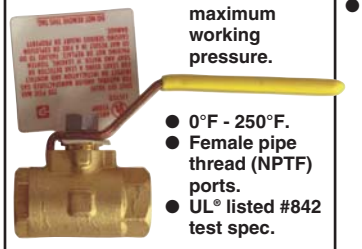
PART NUMBER	PIPE THREAD SIZE (NPTF)
508776	1/4-18
508777	3/8-18
508778	1/2-14
508779	3/4-14*
508780	1-11.5*
508781	1-1/4-11.5
508782	1-1/2-11.5
508783	2-11.5

*UL® listed

UL® BALL VALVES - BRASS

These are hand operated ball valves, intended for use as a gas line service valve suitable for flammable liquids (YRBX), LP gas (YSDT), and compressed gas (YQNZ).

- Forged brass construction.
- Handles stamped UL® and 250 P.S.I.G.
- 250 P.S.I.G. maximum working pressure.



- 0°F - 250°F.
- Female pipe thread (NPTF) ports.
- UL® listed #842 test spec.

PART NUMBER	PIPE THREAD SIZE (NPTF)
508784	1/4-18
508785	3/8-18
508786	1/2-14
508787	3/4-14
508788	1-11.5

MINI BALL VALVES - BRASS

For use on water and air service lines on capital equipment and plant design plumbing that requires total shutoff capability.

- Ideal for confined and hard-to-reach applications.
- Chrome plated extruded brass construction.
- Blow-out proof stem.
- Hard chrome plate ball.
- PTFE seats.
- Viton stem seals.
- Temperature range 0°F to 200°F.
- Working pressure 450 P.S.I. max. depending on temperature being used.
- Female pipe threads - NPTF.



BLACK LEVER HANDLE



YELLOW COMPACT HANDLE

PART NUMBER LEVER HANDLE	PART NUMBER COMPACT HANDLE	PIPE THREAD SIZE (INCHES)
508789	508793	1/8-27
508790	508794	1/4-18
508791	508795	3/8-18
508792	508796	1/2-14

GATE VALVES - BRONZE

- Heavy duty bronze construction.
- Stem and packing nut made from brass rod.
- Cast iron handles.
- Valves are air-tested in open and closed position under water to insure leakproof casting and tight closure.
- Female pipe threads.
- Used for cold water, oil & gas.
- 200 P.S.I. water, oil & gas, 125 P.S.I. steam.



PART NUMBER	NPTF SIZE (INCHES)
508354	3/8-18
508355	1/2-14
508362	3/4-14
508363	1-11-1/2

AIR HOSES

PERMA HOSE

The ultimate, premium air hose

- Nylon reinforced neoprene won't swell from oil contact (inside or outside) like regular EPDM air hose.
- Use where air tools are lubricated through the line, or where the cover comes in contact with oil.
- 1/4" NPT male brass fittings with spring guards on each end. Full 3/8" I.D. bore fittings.
- 3/8" I.D. bore, 23/32" O.D. 300 lbs. w/p, 1200 lbs. burst.



PART NUMBER	LENGTH
109110	3/8 I.D. x 25'
109111	3/8 I.D. x 50'

NYLON RECOIL AIR HOSE

- Bright yellow for safe visibility.
- Instantly recoils for easy storage
- Male fittings with spring guards.
- Live swivel on one end.

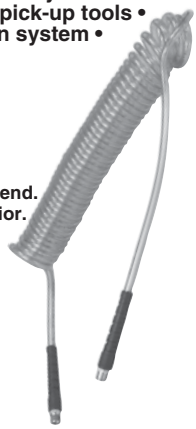


PART NUMBER	LENGTH	W/P	NPT MALE FITTING
113138	1/4 I.D. x 25'	170 PSI	1/4
113139	3/8 I.D. x 25'	170 PSI	3/8

FLEXCOIL® POLYURETHANE SELF COILING AIR HOSE

• Auto repair • automotive assembly • blow gun users • • nut runners • robotics • textile plants • • aerospace manufacturers • assembly stations • air ratchets • • machine shops • mobile equipment • nailing & stapling • • boat building • car lube shops • car wash systems • • impact wrenches • tire shops • vacuum pick-up tools • • water purification • water washdown system •

- Toughest recoil hose available.
- Working pressure: 125 psi @ 75°F.
- Outstanding coil memory.
- Highly link and abrasion resistant.
- Straight tails provide built in whip hose.
- Resistant to most oils and fuels.
- Male pipe fittings swivel one end and rigid other end.
- Transparent blue allows inspection of hose interior.
- Compact - smaller coiled O.D. than nylon.
- Outlast nylon hose 10-1.



PART NUMBER	TUBING I.D. x O.D.	LENGTH	COILED O.D.	NPT MALE FITTING
113180	1/4 x 3/8	15'	2-1/2	1/4
113181	1/4 x 3/8	25'	2-1/2	1/4
113182	3/8 x 9/16	15'	4-1/8	3/8
113183	3/8 x 9/16	25'	4-1/8	3/8

NINJA WRAP - HOSE PROTECTION WRAP

Eliminate costly downtime!

— EXTENDS THE LIFE OF EXPENSIVE HOSES —

- Simple, economical solution.
- Easy installation in minutes.
- No special tools needed.
- One size wrap - fits all!
- Use on any diameter hose.
- No need to remove hoses.
- Flexible, tough self-adhesive neoprene wrap.
- Protects against wear, cuts and abrasions.
- Repairs pinhole leaks in hydraulic hoses.
- Resists oil, gasoilne, alkalis, acids & sunlight.
- Weathers well, good resistance to flames & abrasions.
- Prevents hose to hose abrasions.



AS EASY AS 1-2-3!
Clean • Wrap • Secure

(Secure with RUBBER AMALGAMATING WRAP, Part No. 812241)

PART NUMBER	LENGTH
418325	6 feet
418326	10 feet
418327	25 feet

5 FOOT WHIP HOSE WITH SWIVEL FITTING

Swivel feature helps to prolong hose life. Prevents hose twisting and kinking.

- 1/4" x 5 feet.
- 1/4" NPT Swivel male x 1/4".
- NPT female .
- 200 P.S.I. working pressure.



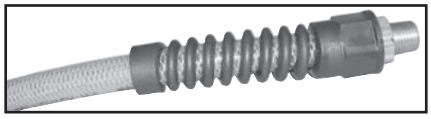
Part No. 213232

FLEXEEL® REINFORCED POLYURETHANE STRAIGHT AIR HOSE

Temperature Range -40° F to +65°

- Offers an excellent alternative to much bilkier rubber and plastic hoses.
- Extremely lightweight and tough, it is ideal for either outdoor contractor use or indoor industrial use.
- Retains its flexibility even in cold environments.
- The reinforced construction eliminates the possibility of having the various layers separate due to constant expansion and contraction during pulsating operations, such as with staple or nail guns.





PART NUMBER	LENGTH	FITTING	HOSE I.D.	HOSE O.D.	WORKING PRESSURE @ 70 °F
113184	25'	1/4 MPT	3/8	9/16	200 PSI
113185	50'	1/4 MPT	3/8	9/16	200 PSI

NON - KINK AIR HOSE

- Three sizes and two pressure ratings for all air hose applications.
- Red rubber cover resists oil, grease, and weathering.
- Reinforced for maximum performance under extreme operating conditions.
- Applications include pneumatic tools and paint spraying.
- Male brass couplings on each end.

2 Braid
(3/8" & 1/2" Hose)

1 Braid
(1/4" Hose)



HOSE SIZE	PART NUMBER	BRASS COUPLING	WORKING PRESSURE	LENGTH
1/4" ID x 1/2" OD	**10901**	1/4" m x m NPT	1 Braid-200 lbs.PSI	25 ft.
3/8" ID x 23/32" OD	**10915**	1/4" m x m NPT	2 Braid-250 lbs.PSI	25 ft.
3/8" ID x 7/8" OD	**10916**	1/4" m x m NPT	2 Braid-250 lbs.PSI	50 ft.
1/2" ID x 7/8" OD	**10940**	1/2" m x m NPT	2 Braid-250 lbs.PSI	25 ft.
1/2" ID x 7/8" OD	**10941**	1/2" m x m NPT	2 Braid-250 lbs.PSI	50 ft.

FILTERS, REGULATORS, GAUGES

IN-LINE WATER SEPARATOR AND AIR FILTER



- Removes water and foreign particles from compressed air stream.
- Attaches directly to paint spray gun or air tool.
- Reservoir accumulates water on a daily basis.
- Filter can be removed and cleaned periodically.
- 1/4" female (outlet).

Part No. 213235

1/4" STANDARD AIR LINE REGULATOR



- For General Purpose applications.
- Ideal where pressure must be held constant.

Part No. 113761

1/4" STANDARD AIR LINE FILTER



- 2 stage filtration - cyclone separation & residual filtration.
- Removes impurities such as scale, dirt & moisture.
- Clear transparent bowl permits inspection at a glance.
- Plastic bowl and metal guard.

Part No. 113757

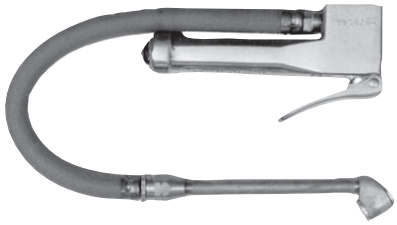
2" PRESSURE GAUGE 1/4" BACK



- Unbreakable lens.
- Corrosion resistant.
- For air, oil, gas & water service.

Part No. 113756

INFLATOR GAUGE (Bayonet Type)

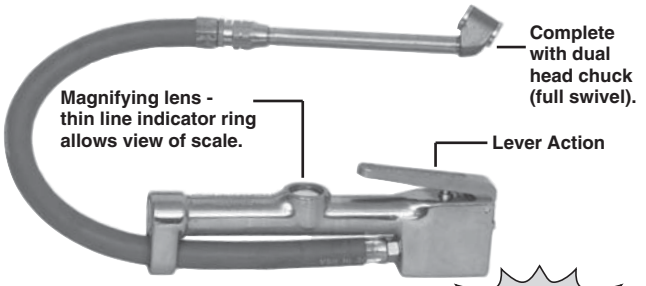


Part No. 813167

Reads from 10 lbs. to 120 lbs, graduations. Complete with dual head chuck. Nylon indicator bar with large black letters is easy to read and will not rust or corrode.

BAYONET AIRLINE GAUGE

The FIRST Single Replacement Cartridge Airline Gauge VALVE and GAUGE are Combined in
ONE REPLACEMENT CARTRIDGE
Measures from 10lbs. to 200 lbs. in 2 lb. increments!



Part No. 813165

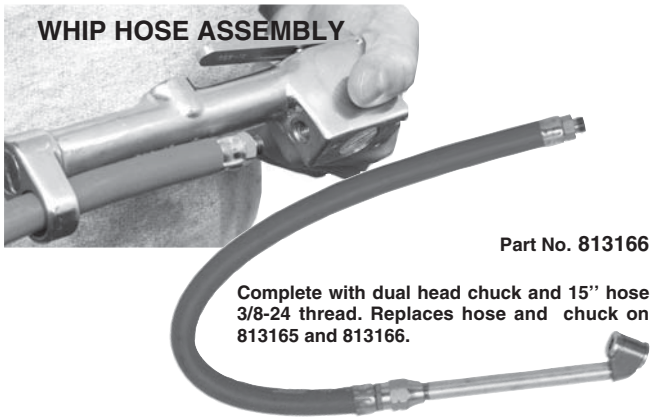
MADE IN USA

LIMITED WARRANTY

This product is covered by a limited warranty for **repair only** for 1 year from date of purchase. This is the manufacturer's policy and only applies to units that are defective in materials or workmanship. Units that have been **abused** or are beyond the 1 year warranty **may not** be returned for repair. With proper care this item will provide long and trouble free service.

REPLACEMENT PARTS

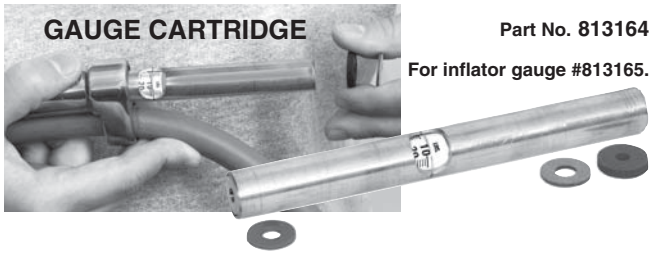
WHIP HOSE ASSEMBLY



Part No. 813166

Complete with dual head chuck and 15'' hose 3/8-24 thread. Replaces hose and chuck on 813165 and 813166.

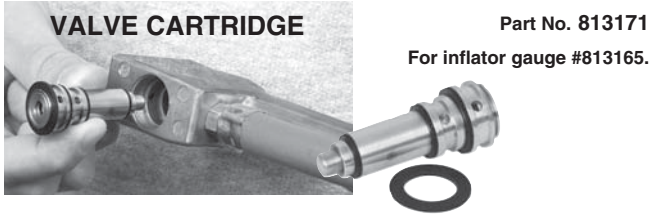
GAUGE CARTRIDGE



Part No. 813164

For inflator gauge #813165.

VALVE CARTRIDGE



Part No. 813171

For inflator gauge #813165.

AIR-LINE CHUCKS, BLOW GUNS

E-Z GRIP CHUCK FOR DIRECT AIRLINES

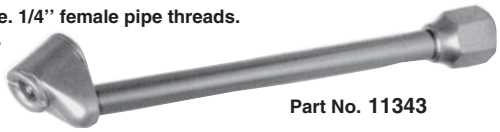
Works like ''Quick Coupler''. Snaps onto any standard tire valve and stays put until released. Built-in shut-off valve for use in air supply lines that come directly from the compressor with no other valve in line. Not for use with inflator gauges. 1/4'' female pipe threads.



Part No. 11325

DUAL FOOT CHUCK

For 1/4'' I.D. Hose. 1/4'' female pipe threads. No shutoff valve.



Part No. 11343

SNAP-ON CHUCK FOR DIRECT AIRLINES

Snap-on clip holds chuck to any standard tire valve. Built-in shut-off valve for use in air supply lines that come directly from the compressor with no other valves in line. Not for use with inflator gauges. 1/4'' female pipe threads.



Part No. 11319

CHUCK REPAIR WASHER

Rubber replacement washer for Snap-on Chuck No. 11319.



Part No. 11327

BALL FOOT CHUCK

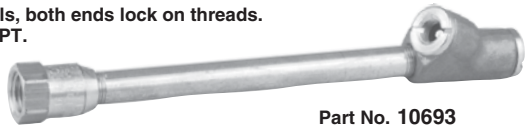
For 1/4'' I.D. Hose. 1/4'' female pipe threads. No shutoff valve.



Part No. 11344

DUAL HEAD STRAIGHT FOOT, CHUCK

For inner duals, both ends lock on threads. 1/4'' female NPT.



Part No. 10693

SAFETY BLOW GUN

Conforms to OSHA standards. Tamper proof nozzle. 1/4'' NPT female inlet.



Part No. 113750

SAFETY BLOW GUN

Same as 113750 but with 6'' extension.



Part No. 113751

SAFETY BLOW GUN

Same as 113750 but with 10'' extension.



Part No. 113752

RUBBER TIPPED BLOW GUN

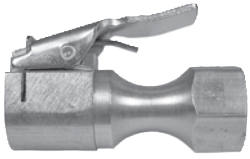
Provides leakproof connection between gun and fluid line. Tip will not damage molds.



Part No. 113753

STRAIGHT LOCK-ON, CHUCK

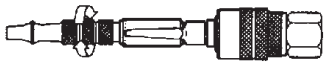
U.S. style chuck. 1/4'' FPT.



Part No. 11908

E-Z GRIP ADJUSTABLE POCKET BLO-GUN

- **Fully adjustable two-finger air control adjusts from a mere whisper to full volume air flow.**
- **Pocket clip keeps Blo-gun handy. No need to stop to look for conventional style.**
- **Knurled tip allows secure handling at all times, even with oily or greasy hands.**
- **4 sizes fit over 90% of 1/4'' basic size couplers.**





Part No. 213480
Fits All M-Style
Or Any Industrial
Interchange Coupler



Part No. 213481
Fits All A-Style
Or Any ARO(#210)
Style Coupler



Part No. 213482
Fits All T-Style
Or Any Tru-Flate
Or Parker-Hannifin Style



Part No. 213483
Fits All L-Style
Or Any
Lincoln Coupler

BLOW GUNS

READY JET® INLINE BLOW GUN

"Handiest tool in the shop - always there, ready to use."

USING OUR READY JETS

Ready Jets fit permanently between the air hose and the coupler. The Ready Jet Inline Blow gun is a sealed unit and is virtually trouble free. The button is brass for a quality product. The valve seal is a neoprene o-ring which is impervious to water, oil, etc.



- Save time, energy, & money.
- Always there, ready to use.
- Small, compact, & handy.
- Fits permanently between air hose & coupler.
- Never gets lost or misplaced.
- Natural angle for easy use.
- Durable and weighs only 2 oz.'s
- Precision machined for a quality tool.
- Deliver more air.
- Made in America.
- Female 1/4 NPT.
- Made of aircraft aluminum for toughness and light weight.
- Accepts 1/4" MPT fittings.

RUBBER TIPPED INLINE BLOW GUN

- Non-scratch tip.
- Inlet and outlet pressure the same.
- To meet OSHA requirements airline pressure must be reduced to 30 psi.



Part No. 113740

REPLACEMENT RUBBER TIP



Part No. 113742

SAFETY INLINE BLOW GUN

- Meets OSHA requirements with special relief hole in nozzle which limits pressure to 30 psi when dead ended and used on air line of 150 psi or less.



Part No. 113741

REPLACEMENT SAFETY TIP



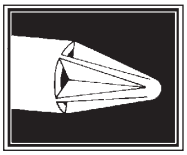
Part No. 113743

THE STAR TIP BLOW GUN

A variable-flow blow gun featuring a nozzle that complies with OSHA requirements.

"Star-tip" nozzle offers many safety features not found in other blow gun tips:

- Ultra slim nozzle reduces noise level.
- Thinner tip, along with a special bent tube, for hard-to-reach places.
- "Star-tip" design allows full air flow through six separate outlets and still complies with OSHA requirements. Reduces noise levels when used with compressed air.



New "star-tip" nozzle is a powerful, yet quiet, performer.



Part No. 113773

Six outlet tip offers an even distribution of air.

- Female 1/4 NPT.
- Built-in silencer tip ensures low noise level, 79 dBA.
- Low air consumption, 5 CFM.
- Unique valve design allows a fully variable flow.
- Comfortable handling by using latest ergonomic design.
- High tensile materials for tough handling.



Part No. 113772

PINPOINT AIR CONCENTRATOR TIP
Mount on STAR TIP BLOW GUN for concentrated, direct, pinpoint air flow for cleaning carburetor passages, orifices, pressurizing transmission valve bodies, etc.

MULTIFLOW

The Professional's Must-Have Air & Fluid Gun

Whether the job calls for cleaning with air or with fluid, drying or cooling, MultiFLOW - Air & Fluid Gun provides power on demand when and where it's needed.



Part No. 113771

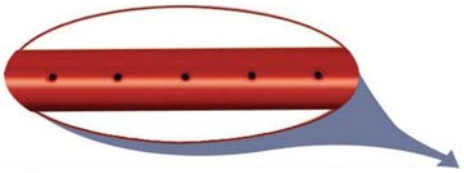


- Female 1/4 NPT.
- Cleans with air or fluids.
- Offers unmatched blowing force.
- Provides adjustable flow control.
- Reduces hose whip and noise.
- Prevents occupational injuries with non-slip grip.
- Withstands tough handling.

BLOW GUNS

AIRCOMB®

Filter & Radiator Cleaner - a New Type of Blow Gun



5X's the Air Volume

Special multi-port nozzle maximizes air pressure and volume at a 90° angle. Thoroughly cleans air filters, condensers, and radiators from the inside out.

PART NO.	LENGTH (IN.)	COLOR
113767	12	Blue
113768	24	Red
113769	36	Yellow
113770	48	Green





Features & Benefits:
- Focused high-pressure output
- Long reach 90° airflow
- Accesses hard-to-reach areas
- Great for all air filters, radiators & condensors
- Extends filter life
- Available in four sizes

Industries:
- Agriculture
- Construction
- Automotive
- Industrial
- Stationary Power
- and others



Safe On All Filters - Won't Punch Holes!

AIR TOOLS / AIR-LINE COUPLERS & PLUGS

PSS111517

MILTON M-STYLE COLOR FIT - COUPLER AND PLUG KIT



14 Piece M-Style Red Anodized Aluminum & Heavy Duty Steel Sleeve

KIT Part No. 100700 includes:
6 Male Plugs • 4 Female Plugs
2 Male Couplers • 2 Female Couplers
(not sold individually)

1/4" NPT SIZE

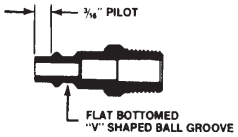
- **Use color to distinguish between air lines.**
- **Easily match coupler & plugs.**
- **No more guessing (red-to-red).**
- **Eliminate the risk of mixing a lubricated line with a dry air line.**
- **Distinguish high pressure verses low pressure lines.**
- **No more cross contamination between different air lines.**
- **Compatible with all traditional Milton M-Style and Competitors Couplers & Plugs.**

AIR TOOLS / AIR-LINE COUPLERS & PLUGS

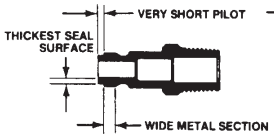
HOW TO IDENTIFY INTERCHANGE DESIGNS

Interchangeability of pneumatic couplings is determined by NIPPLE DESIGN. Learn to identify the basic nipple types & coupler and nipple interchange will become easy. There are (7) different designs currently used in the automotive market. (4) of these (7) cover 97% of all quick couplings used today. We provides complete interchange to the (4) primary designs. The three designs NOT covered are shown at the bottom of the page.

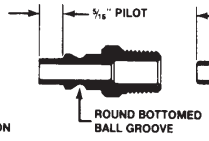
INDUSTRIAL / MILTON



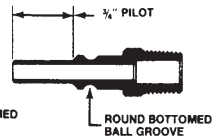
TRU-FLATE



ARO

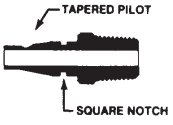


LINCOLN

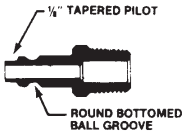


OTHER DESIGNS

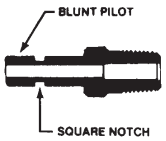
SCHRADER STANDARD



DIAMOND "U"



GRACO



HOW TO INTERCHANGE COUPLERS AND NIPPLES

1. **The Design Selection**
   Like name designs, no matter which manufacturer, are inter-changeable. NOTE: One DESIGN will NOT interchange with another design.
2. **The Size Selection**
   There are three BODY SERIES sizes— Standard 1/4" and Heavy Duty 3/8" and 1/2". To interchange, the coupler and nipple must have the same body size.
3. **Thread Size**
   To check size of pipe thread fittings, refer to catalog page B13-2.

HOW TO DETERMINE BODY SIZE/ COUPLER SIZE/BASIC SIZE

Coupler size is important, since too small a coupling can act as a restriction in the air line, reducing both the pressure and volume of air reaching the end of the hose. It is generally recommended that the body size of the coupler be matched to the I.D. of the hose being used. Thus 1/4" I.D. hose should be fitted with 1/4" I.D. couplings. Generally speaking, 3/16" I.D. hose should be fitted with 1/4" couplings, while 5/16" I.D. hose may be fitted with either 1/4" or 3/8" couplings, depending on the volume and pressure required at the end of the hose. 1/2" I.D. hose should be fitted with 1/2" couplings.

- **Maximum Inlet Pressure: 300PSI**
- **Maximum Temperature: 250°F**
- **Seals: Buna-N**

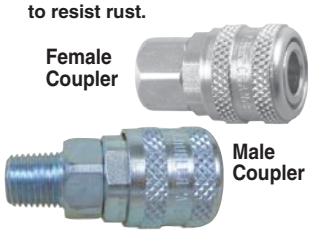
WARNING: COUPLERS IN THIS SECTION ARE FOR USE WITH SHOP AIR ONLY.

INDUSTRIAL / MILTON DESIGN

This design has been adopted by many coupler manufacturers, including Milton, Hansen, Aro, Lincoln, and Schrader. It will work with either "sleeve" type or "push" type couplers. No matter what the coupler looks like, if it mates with this nipple, it is an "Industrial / Milton Interchange" design. It can be identified by its 3/16" pilot and its flat-bottomed, "V"-shaped ball groove.

MILTON A-STYLE "210" STYLE SERIES

- **Coupler is push type.**
- **Coupler bodies are steel plated to resist rust.**
- **Air flow: 34 SCFM**
- **Plugs are case hardened steel plated to resist rust.**

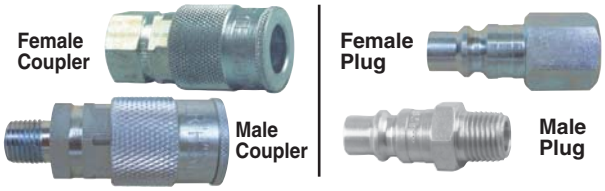


1/4" BASIC SIZE

	COUPLERS		PLUGS	
CONNECTION	PART NUMBER	QTY	PART NUMBER	QTY
1/4 NPT Female	**100775**	5	**100778**	10
1/4 NPT Male	**100776**	1	**100777**	10

MILTON H-STYLE INDUSTRIAL INTERCHANGE SERIES

- **Coupler bodies are steel plated to resist rust.**
- **Air flow: 67 SCFM**
- **Plugs are case hardened steel plated to resist rust.**

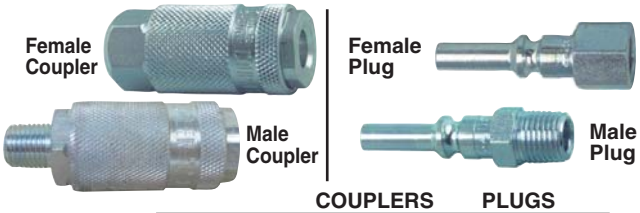


3/8" BASIC SIZE

	COUPLERS		PLUGS	
CONNECTION	PART NUMBER	QTY	PART NUMBER	QTY
1/4 NPT Male	**101834**	1	**101839**	1
3/8 NPT Female	**101835**	1	**101838**	1
3/8 NPT Male	**101836**	1	**101837**	1

MILTON L-STYLE LINCOLN INTERCHANGE SERIES

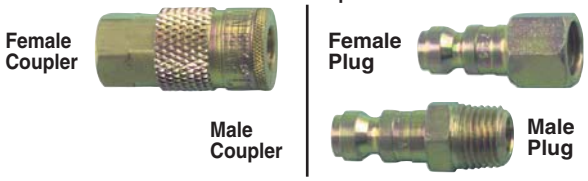
- **Coupler is push type.**
- **Coupler bodies are steel plated to resist rust.**
- **Air flow: 32 SCFM**
- **Plugs are case hardened steel plated to resist rust.**



	COUPLERS		PLUGS	
CONNECTION	PART NUMBER	QTY	PART NUMBER	QTY
1/4 NPT Female	**100790**	5	**100792**	10
1/4 NPT Male	**100794**	1	**100791**	10

MILTON T-TRU-FLATE/PARKER INTERCHANGE SERIES

- **Coupler bodies are brass.**
- **Air flow: 40 SCFM**
- **Plugs are case hardened steel plated to resist rust.**



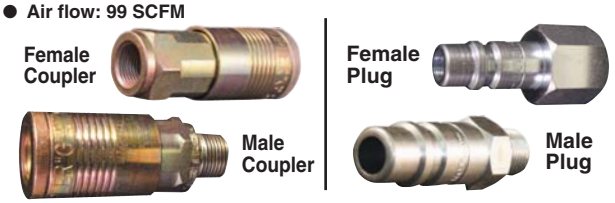
1/4" BASIC SIZE

	COUPLERS		PLUGS	
CONNECTION	PART NUMBER	QTY	PART NUMBER	QTY
1/4 NPT Female	**100785**	5	**100784**	10
1/4 NPT Male	**100786**	5	**100783**	10

AIR-LINE COUPLERS & PLUGS

MILTON G-STYLE INDUSTRIAL INTERCHANGE SERIES

- Coupler bodies are steel plated to resist rust.
- Air flow: 99 SCFM
- Plugs are case hardened steel plated to resist rust.

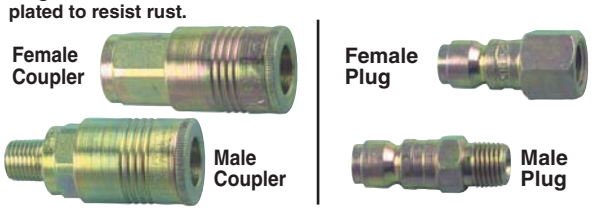


1/2" BASIC SIZE

	COUPLERS		PLUGS	
CONNECTION	PART NUMBER	QTY	PART NUMBER	QTY
3/8 NPT Female	101813	5	101860	10
3/8 NPT Male	101814	5	101859	10
1/2 NPT Female	101815	5	101858	10
1/2 NPT Male	101816	5	101857	10

MILTON P-STYLE TRU-FLATE/PARKER INTERCHANGE SERIES

- Coupler bodies are HD steel.
- Plugs are case hardened steel plated to resist rust.
- Bodies have 8 locking balls.
- Air flow: 68 SCFM



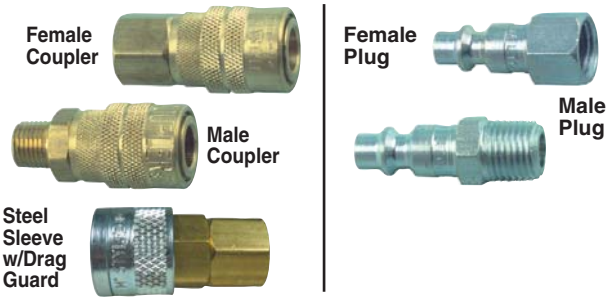
3/8" BASIC SIZE

	COUPLERS		PLUGS	
CONNECTION	PART NUMBER	QTY	PART NUMBER	QTY
1/4 NPT Female	101803	5	101810	10
1/4 NPT Male	101804	5	101809	10
3/8 NPT Female	101805	5	101808	10
3/8 NPT Male	101806	5	101807	10

MILTON M-STYLE INDUSTRIAL INTERCHANGE SERIES

Milton M-style "kwik-change" couplers and plugs will interchange with all manufacturers who comply with the dimensional requirements of military specification MIL-C-4109.

- Coupler bodies are brass with brass sleeves.
- Plugs are case hardened steel plated to resist rust.
- Air flow: 40 SCFM



1/4" BASIC SIZE

	COUPLERS		PLUGS	
CONNECTION	PART NUMBER	QTY	PART NUMBER	QTY
1/4 NPT Female	100715	5	100728	10
1/4 NPT Male	100716	5	100727	10

STEEL SLEEVE w/DRAG GUARD

CONNECTION	PART NUMBER	QTY
1/4 NPT Female	100755	5

INDUSTRIAL INTERCHANGE

FEATURES
Full opening tubular valve design permits maximum flow while protecting and supporting the seal. A built-in sleeve guard minimizes accidental disconnect.

APPLICATION
Industrial Interchange Quick Couplings are designed for air, water and other low pressure fluid systems and are used throughout industry. Most common is the connection of air tools to compressed air supplies. They are noted for their high flow capacity, reliability, compact size and rugged design.

INTERCHANGEABILITY
Quick Couplings are completely interchangeable with push-type couplings and with similar "Industrial interchange" couplings manufactured by Hansen, Foster, ARO, Brecco, Dyna-Quip, Hoffman, Lincoln and others that conform to MILC-4109 dimensional specifications.

FEMALE PIPE THREAD

COUPLERS



PART NO.	SIZE (IN.)	TYPE	FITS
108606	1/4	FPT	1/4" Hose
108670	3/8	FPT	1/4" Hose
108607	3/8	FPT	3/8" Hose
108608	1/2	FPT	1/2" Hose

MALE PIPE THREAD

COUPLERS



PART NO.	SIZE (IN.)	TYPE	FITS
108609	1/4	MPT	1/4" Hose
108671	3/8	MPT	1/4" Hose
108610	3/8	MPT	3/8" Hose
108611	1/2	MPT	1/2" Hose

STANDARD HOSE BARB

COUPLER



PART NO.	SIZE (IN.)	TYPE	FITS
108612	1/4	Couplers	1/4" Hose

FEMALE PIPE THREAD

NIPPLES



PART NO.	SIZE (IN.)	TYPE	FITS
108656	1/4	FPT	1/4" Couplers
108672	3/8	FPT	1/4" Couplers
108657	3/8	FPT	3/8" Couplers
108658	1/2	FPT	1/2" Couplers

MALE PIPE THREAD

NIPPLES



PART NO.	SIZE (IN.)	TYPE	FITS
108659	1/4	MPT	1/4" Couplers
108673	3/8	MPT	1/4" Couplers
108660	3/8	MPT	3/8" Couplers
108661	1/2	MPT	1/2" Couplers

STANDARD HOSE BARB

NIPPLE



PART NO.	SIZE (IN.)	TYPE	FITS
108662	1/4	Nipple	1/4" Couplers

AIR-LINE COUPLERS

INDUSTRIAL INTERCHANGE BRASS PUSH LOCK

FEATURES
Push-type design allows one hand connection with the nipple, provided the coupler half is rigidly mounted. Featured are solid brass coupler bodies with full opening steel tubular valves that provide high air flow and 360° seal support.

APPLICATION
Push-Type Quick Couplings are designed for air, water and other low pressure fluid systems and are used throughout industry. Most common is the connection of air tools to the compressed air supplies. They are noted for their high flow capacity, reliability, compact size and rugged design.

INTERCHANGEABILITY
Completely interchangeable with industrial interchange couplings and with similar "Industrial Interchange" couplings manufactured by Hansen, Foster, Dyna-Quip and others that conform to MILC-4109 dimensional specifications.

FEMALE PIPE THREAD

COUPLER



PART NO.	SIZE (IN.)	TYPE	FITS
108613	1/4	FPT	1/4" Hose

FEMALE PIPE THREAD

NIPPLE



PART NO.	SIZE (IN.)	TYPE	FITS
108656	1/4	FPT	1/4" Couplers

MALE PIPE THREAD

COUPLER



PART NO.	SIZE (IN.)	TYPE	FITS
108614	1/4	MPT	1/4" Hose

MALE PIPE THREAD

NIPPLE



PART NO.	SIZE (IN.)	TYPE	FITS
108659	1/4	MPT	1/4" Couplers

TRU-FLATE

FEATURES
Couplings feature full-opening tubular valves for maximum flow while protecting and supporting the seal. A protective sleeve guard minimizes accidental disconnection.

APPLICATION
Tru-Flate Couplings are the original Tru-Flate design that is widely accepted in the automotive aftermarket. They feature a large diameter nipple bore and wider sealing area for longer valve seal life and improved flow rate. The most common application is the connection of air tools to compressed air supplies.

INTERCHANGEABILITY
Tru-Flate Couplers may be used only with Tru-Flate design nipples.

This design is easily recognized because it has the shortest nipple pilot in the industry; however, it has the widest metal section between the ball groove and the pilot. In addition, the sealing surface on the end of the nipple is wider than other "interchange" designs. This design provides better sealing characteristics and longer seal life.

FEMALE PIPE THREAD

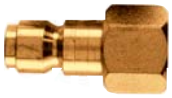
COUPLERS



PART NO.	SIZE (IN.)	TYPE	FITS
108600	1/4	FPT	1/4" Hose
108601	3/8	FPT	3/8" Hose
108602	1/2	FPT	1/2" Hose

FEMALE PIPE THREAD

NIPPLES



PART NO.	SIZE (IN.)	TYPE	FITS
108650	1/4	FPT	1/4" Couplers
108651	3/8	FPT	3/8" Couplers
108652	1/2	FPT	1/2" Couplers

MALE PIPE THREAD

COUPLERS



PART NO.	SIZE (IN.)	TYPE	FITS
108603	1/4	MPT	1/4" Hose
108604	3/8	MPT	3/8" Hose
108605	1/2	MPT	1/2" Hose

MALE PIPE THREAD

NIPPLES



PART NO.	SIZE (IN.)	TYPE	FITS
108653	1/4	MPT	1/4" Couplers
108654	3/8	MPT	3/8" Couplers
108655	1/2	MPT	1/2" Couplers

ARO 210 INTERCHANGE

FEATURES
ARO Series couplings feature tubular valve in a coupler body that interchanges only with ARO 210 design couplers and nipples. Couplings are available only in 1/4" body size.

APPLICATIONS
ARO 210 Quick couplings are designed for air, water & other low pressure fluid systems.

This design is characteristic of the ARO 210 series, and requires a coupler of proper matching design. Although similar in appearance to the "Industrial / Milton Interchange" design, it can be easily distinguished because its pilot is 1/8" longer and its ball groove is nearly round.

FEMALE PIPE THREAD

COUPLER



PART NO.	SIZE (IN.)	TYPE	FITS
108615	1/4	FPT	1/4" Hose

FEMALE PIPE THREAD

NIPPLE



PART NO.	SIZE (IN.)	TYPE	FITS
108665	1/4	FPT	1/4" Couplers

MALE PIPE THREAD

COUPLER



PART NO.	SIZE (IN.)	TYPE	FITS
108616	1/4	MPT	1/4" Hose

MALE PIPE THREAD

NIPPLE



PART NO.	SIZE (IN.)	TYPE	FITS
108666	1/4	MPT	1/4" Couplers

AIR-LINE COUPLERS

DOUBLE SHUT-OFF BRASS SLEEVE

APPLICATION

Couplings incorporate valves in both the body and nipple halfs to prevent fluid loss when the coupling is disconnected. These couplings are normally referred to as "Hydraulic Couplings" but they are used extensively with other media where fluid loss on disconnect is objectionable.

FEMALE PIPE THREAD

COUPLER



PART NO.	SIZE (IN.)	TYPE	FITS
108617	3/8	FPT	3/8" Hose

FEMALE PIPE THREAD

NIPPLE



PART NO.	SIZE (IN.)	TYPE	FITS
108667	3/8	FPT	3/8" Coupler

LINCOLN LONG STEM

APPLICATION

Lincoln Long Stem Series Couplings interchange with Lincoln's "Long Stem" series couplings. Couplings feature a full opening tubular cage for maximum flow and built-in sleeve guard to minimize accidental disconnect. Available only in 1/4" body size.

The "Lincoln Long-Stem" design is the most easily identified design. The long 3/4" pilot is so distinctive it cannot be confused with the other designs. It will only mate with couplers of matching design.

FEMALE PIPE THREAD

COUPLER



PART NO.	SIZE (IN.)	TYPE	FITS
108618	1/4	FPT	1/4" Hose

FEMALE PIPE THREAD

NIPPLE



PART NO.	SIZE (IN.)	TYPE	FITS
108668	1/4	FPT	1/4" Coupler

MALE PIPE THREAD

COUPLER



PART NO.	SIZE (IN.)	TYPE	FITS
108619	1/4	MPT	1/4" Hose

MALE PIPE THREAD

NIPPLE



PART NO.	SIZE (IN.)	TYPE	FITS
108669	1/4	MPT	1/4" Coupler

E-Z MATE QUICK-DISCONNECT COUPLERS

Used with standard or industrial interchange design nipples for: air, water and other low pressure fluid systems not exceeding 300 PSI.

- **Vent allows connection or disconnections at "zero" PSI.**
- **Minimizes hazardous hose whip.**
- **Valve sleeve allows air to be turned on and off with fingertips.**
- **O-Ring seal assures bubble tight seal.**
- **Built in sleeve-lok locks the valve sleeve to help prevent accidental disconnects.**
- **Female pipe thread.**

PIPE THREAD SIZE	PART NUMBER	BODY SIZE I.D.
1/4 - 18	**108675**	1/4
3/8 - 18	**108676**	3/8
1/2 - 14	**108677**	1/2
3/4 - 14	**108678**	3/4



UNIVERSAL COUPLERS

One coupler fits: Tru-flate, ARO, or industrial interchange 1/4 nipples.

- **150 PSI pressure rating.**
- **Temperature range - 40°F to +250°F.**
- **All brass body and sleeve.**
- **Push to connect style makes coupling quick and easy.**
- **Takes the guess work out of identifying various interchanges.**
- **Reduces inventory requirements, only 1 coupler needed for the 3 most popular 1/4" interchanges.**

Part No. 108679
1/4" Female NPT
1/4 Body Size I.D.

Part No. 108680
1/4" Male NPT
1/4 Body Size I.D.



NON-MARKING COUPLERS

Used with industrial interchange design nipples. For air, water, and other low pressure fluid systems.

- **Non-marking-polyamide construction.**
- **Lightweight - easy to use.**
- **Push to connect - locking fingers are made of polyacetate.**
- **Durable - constructed of stainless steel springs, balls and pins.**
- **Allows trapped pressure to be vented prior to disconnection.**
- **300 lbs. maximum pressure.**
- **Temperature range: 5° to 180°F.**
- **Meets ISO 4414 specification.**
- **National pipe thread.**

Female



FEMALE PIPE THREAD

BODY SIZE	THREAD SIZE NPTF	PART NUMBER
1/4	1/4-18	**108691**
1/4	3/8-18	**108692**
3/8	1/4-18	**108693**
3/8	3/8-18	**108694**
3/8	1/2-14	**108695**

Male



MALE PIPE THREAD

BODY SIZE	THREAD SIZE NPTM	PART NUMBER
1/4	1/4-18	**108696**
1/4	3/8-18	**108697**
3/8	1/4-18	**108698**
3/8	3/8-18	**108699**

AIR-LINE COUPLERS

5-IN-1 SAFETY EXHAUST COUPLERS

PSS102117

One coupler does it all!

- Connects under zero pressure.
- Designed to remain connected to the plug until air is completely bled off.
- Reduces injury to personnel and equipment from a whipping hose.
- Eliminates the guess work of matching interchanges.



Part No. 108682
1/4" FPT

Accepts all major interchanges

- Industrial
- ARO
- Automotive (Tru-Flate)
- Euro (Megaflow)
- Lincoln



Part No. 108683
1/4" MPT

NOTE: For high-vibration applications, we strongly recommend the use of a lead-in hose to lengthen the life of the coupler.

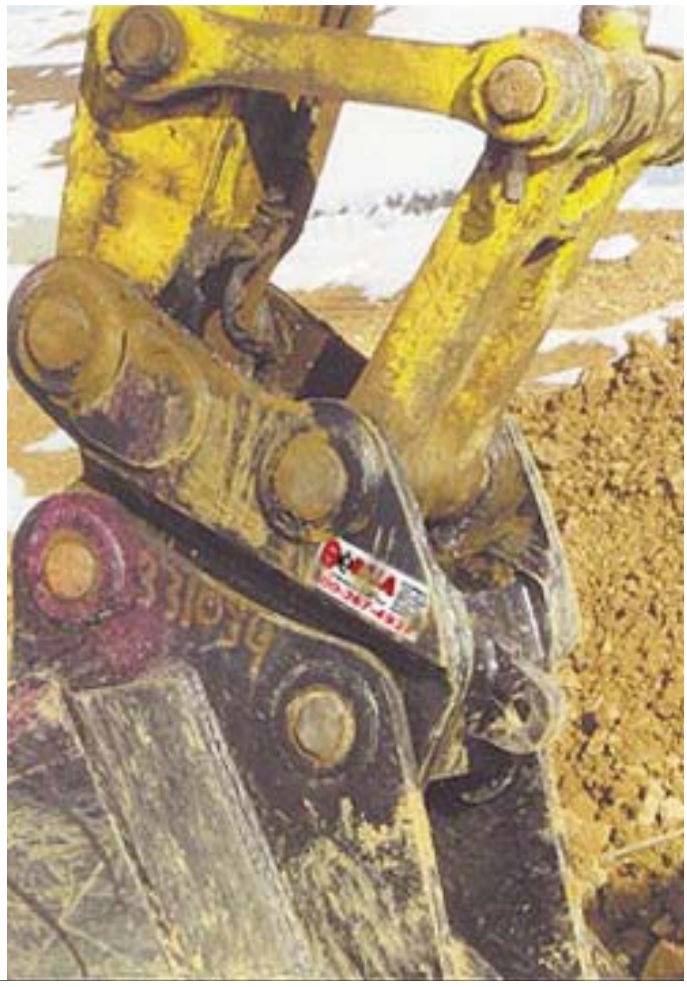
B SECTION FITTINGS/ HYDRAULICS & HOSE

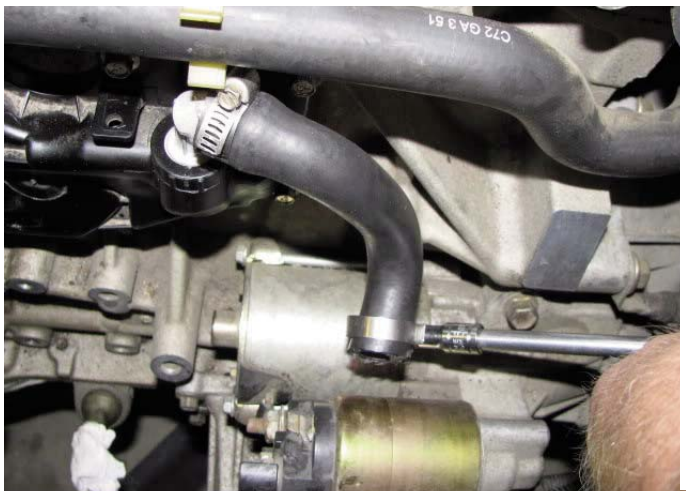












AIR-LINE / HYDRAULIC QUICK COUPLERS

SAFETY COUPLERS

Allows 360° rotation of pneumatic tools.

1/4" BODY SIZE - FEMALE NPT

Put safety first by making dangerous hose whips a thing of the past, all with the push of a button.

Use for: Air tools, blow guns, or anywhere compressed air is used.

- Vents the air circuit & prevents injury.
- Prevents leakage, saves money on energy usage.
- May be used with existing plugs of the same profile type.
- Connect & disconnect with one hand.
- High impact composite material, will not scratch surfaces.
- Superior nitrile o-ring design.
- One push of a button, rapid & effortless use.
- Anti-static & lightweight.

PSS011211

Part No. 100697
Industrial Series
Same style as Milton 715
Replaces our
Part No.'s 100715 & 108606
BLUE button



Part No. 100699
ARO 210 Series
Same style as Milton 775
Replaces our
Part No.'s 100775 & 108615
YELLOW button



Part No. 100698
Tru-Flate Style
Same style as Milton 785
Replaces our
Part No.'s 100785 & 100600
RED button



Just one push of the button first releases air line pressure, then releases the fitting.

HYDRAULIC QUICK COUPLING DUST CAPS AND PLUGS

Used to protect hydraulic couplers and nipples.

- Keeps mating surface clean and free of contamination.
- Protects critical mating elements of the coupling halves when disconnected.
- Damaged nipples make coupling unusable.
- HD Rubber (Geolast) for durability and flexibility.
- No hydraulic quick coupling purchase is complete without a dust cap and plug.
- Dust plug: used on coupler (female side). Dust cap: used on nipple (male side).



Dust Cap



Dust Plug

BODY / HOSE SIZE	DUST PLUG PART NUMBER	QTY	DUST CAP PART NUMBER	QTY
1/4	**108640**	5	**108645**	5
3/8	**108641**	5	**108646**	5
1/2	**108642**	5	**108647**	5
3/4	**108643**	5	**108648**	5
1	**108644**	5	**108649**	5

BALL SWIVEL AIR HOSE CONNECTORS & FITTINGS

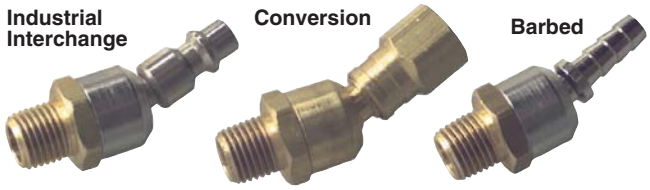
Used between tool and air supply hose.

- Eliminates kinking and twisting.
- Increase tool maneuverability - increased production capacity.
- Minimizes user fatigue - increases worker safety.
- Extend the life of hose - minimizes cost.
- Lightweight - connector portion is plated hardened steel, fitting is brass.
- No additional fittings needed.
- 360° rotation.
- Provides a 20 - 25% greater bend angle.
- Ball swivels provide a more natural range of motion.

Industrial Interchange

Conversion

Barbed

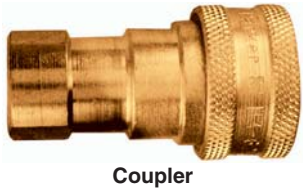


SIZE	PART NUMBER	DESCRIPTION (COUPLER STYLE)
1/4 Body x 1/4 MPT	**108630**	Industrial Interchange Connector
1/4 Body x 1/4 MPT	**108631**	Tru-Flate Connector
1/4 Body x 1/4 MPT	**108632**	ARO Connector
1/4 FPT x 1/4 MPT	**108633**	Conversion Fitting
1/4 Barb x 1/4 MPT	**108634**	Barbed Fitting
5/16 Barb x 1/4 MPT	**108635**	Barbed Fitting
3/8 Barb x 1/4 MPT	**108636**	Barbed Fitting

HYDRAULIC QUICK COUPLINGS

Used to connect and disconnect fluid transfer lines primarily used with hydraulic fluid, chemicals, water, steam, and some gases.

- Double shut-off minimizes fluid loss.
- Coupler and nipple both have shut-off valves to ensure automatic opening and closing.
- Ideal for frequently connected and disconnected lines.
- Meets dimensional requirements for Series B in ISO 7241-1.
- Buna-N-seals w/Teflon back up rings.
- Hardened steel provides maximum resistance to damage from hydraulic and mechanical shock.
- Industrial interchange design.
- Used on construction equipment, machinery, snow plows, dump trucks, refuse hauling.
- Temperature range: -40° to +250°F.



Coupler



Nipple

		COUPLERS		NIPPLES		
BODY/HOSE SIZE	THREAD SIZE NPTF	PART NUMBER	PARKER NUMBER	PART NUMBER	PARKER NUMBER	WORKING PRESSURE
1/4	1/4-18	**108620**	H2-62	**108685**	H2-63	5,000
3/8	3/8-18	**108617**	H3-62	**108667**	H3-63	4,000
1/2	1/2-14	**108621**	H4-62	**108686**	H4-63	4,000
3/4	3/4-14	**108622**	H6-62	**108687**	H6-63	2,500
1	1-11-1/2	**108623**	H8-62	**108688**	H8-63	2,000

QUICK COUPLINGS CROSS REFERENCE

QUICK COUPLINGS CROSS REFERENCE

Part Number	Acme	Dill	Amflo	ARO	Balkamp NAPA	Camel	Coilhose	Foster	Hansen	Lincoln	Milton	Parker	Schrader	TRW	Tru-flate
100776	--	--	C37, C45	210-210	--	61-527, 61-581	--	--	--	--	776	B-50	--	--	13-324/325
100794	--	--	C27	LNCM22-000	90-645	61-486	--	--	--	--	794	--	--	--	13-424/425
101803	A944B	D15-C	C8	TFCF32-000	90-686	61-476	592	--	--	--	1803	15C	3521	670065	13-610/611
101804	--	--	C7	TFCM32-000	90-684	61-478	--	--	--	--	1804	--	--	--	13-602
101809	A944N	D-0E	CP7	TFPM32-000	90-685	61-480	5903	--	--	--	1809	0E	3519	670059	12-602/603
101810	A945N	--	CP8	TFPF32-000	90-687	61-481	5904	--	--	--	1810	1E	3520	670061	12-610
101834	--	--	C25-02	--	90-625	--	--	--	--	--	1834	--	--	--	--
101837	--	10022	CP25	23902-310	90-683	61-484	5801	42-4	42	640106	1837	H2E	3542	670069	12-526/527, 12-525
101839	--	10020	CP2502	23903-210	90-605	--	5803	40-4	40	640104	1839	H03	--	--	--
100785, 108600	A925B	D-13	C2	--	90-608	61-523	160	TF3003	--	--	785	13	3504	670035	13-134
101805, 108601	A940B	D-15	C6	--	90-654	61-553	590	--	--	--	1805	15	3516	670066	13-612
108602	A942B	D-17	C10	23104-400	90-662	61-563	120	5205	520	652008	1815	17	3512	670067	13-712
100786, 108603	A926B	D-12	C1	--	90-610	61-524	162	TF3101	--	--	786	12	3503	670049	13-124
108604	--	--	C5	--	90-656	61-554	591	--	--	--	1806	14	3515	--	13-604
108605	--	D-16	C9	23104-014	90-664	61-564	122	5305	530	651008	1816	16	3511	--	13-704
100715, 108606	A937B	10002	C20	23101-200	90-670	61-573	150	3003	3000/1000	632004	715	23	5142-12	670039	13-536
101835, 108607	--	10017	C26	23103-300	90-680	61-482	580	4204	4200	642006	1835	25	5341	670072	13-712
108608	A942B	D-17	C10	23140-400	90-662	61-563	120	5205	520	652008	1815	17	3512	670067	13-224
100716, 108609	A938B	1003	C21	23102-012	90-672	61-574	152	3103	3100/1000	611004	716	22	5141-12	670052	13-526
108610	--	10018	C25	23103-313	90-682	61-483	581	4304	4300	641006	1836	24	6006-12	--	13-526
108611	--	D-16	C9	23104-014	90-664	61-564	122	5305	530	651008	1816	16	3511	--	13-704
108612	--	1004	C20-42	23102-022	90-671	61-575	153	3603	3600/1600	637004	717	20-3B	4204-12	--	13-264
108613	--	--	--	--	--	--	--	--	--	--	--	B-33	--	--	--
108614	--	--	--	--	--	--	--	--	--	--	--	B-32	--	--	--
100775, 108615	A918B	8888	C38	210	90-612	61-526	140	210-3003	102	862	775	53	3526	670034	13-334
108616	--	--	C37	210-012	90-614	61-527	142	210-3103	103	--	--	52	3525	--	13-324
108617	--	--	--	--	--	--	--	--	--	--	--	H3-62	--	--	--
100790, 108618	A935B	10023	C28	--	90-644	61-548	--	--	--	815	790	73	3528	670038	13-434
100784, 108650	A929N	D-3C	CP2	--	90-626	61-539	1602	TF11	--	--	784	3C	3507	670050	12-134
101808, 108651	A941N	D-3E	CP6	--	90-660	61-559	5902	--	--	--	1808	3E	3518	670062	12-612
108652	--	--	--	--	--	--	--	--	--	--	--	3F	--	--	--
100783, 108653	A928N	D-2C	CP1	--	90-624	61-538	1601	TF10	--	--	783	2C	3506	670036	12-124
108654	A940N	D-2E	CP5	--	90-658	61-558	5901	--	--	--	1807	2E	3517	670060	12-604
108655	--	--	--	--	--	--	--	--	--	--	--	2F	--	--	--
100728, 108656	A911N	10009	CP20	23901-200	90-676	61-579	1502	11-3	11	630204	728	H3C	5139-11	670047	12-234
108657	--	10021	CP26	23903-300	90-681	61-485	5802	43-4	43	640206	1838	H3E	3543	--	12-536
108658	A943N	D-3F	CP10	--	90-668	61-569	1202	55-5	55	650208	1818	H3F	3514	670064	12-712
100727, 108659	A910N	10010	CP21	23902-210	90-674	61-578	1501	10-3	10	630104	727	H2C	5138-11	670032	12-712
108660	--	10022	CP25	23903-310	90-683	61-484	5801	42-4	42	640106	1937	H2E	3542	670069	12-224
108661	A942N	D-2F	CP9	23904-410	90-666	61-568	1201	54-5	54	650108	1817	H2F	3513	670063	12-526
108662	--	10011	CP21-42	23902-220	--	61-576	1506	10-3	16	630704	736	H8C	5223-11	--	12-264
100778, 108665	A916N	8889	CP38	2609	90-620	61-529	1402	210-11	162	13331	778	A3C	3530	670048	12-334
100777, 108666	A914N	8891	CP37	2608	90-618	61-528	1401	210-10	163	13329	777	A2C	3529	670033	12-324
108667	--	--	--	--	--	--	--	--	--	--	--	H3-63	--	--	--
100792, 108668	A934N	10025	CP28	--	90-650	61-551	1702	--	--	11661	792	L3C	3532	670051	12-434
100791, 108669	933N	10026	CP27	--	--	61-550	--	--	--	11659	791	--	3531	670037	12-424
101836	--	--	C25	23101-013	--	--	--	4304	430/4300	641006	1836	24	--	--	13-526
101838	--	-	CP26	23903-300	--	--	--	43-4	43	640206	1838	H3E	3543	--	12-536

HOSE CLAMPS

STANDARD HOSE CLAMPS

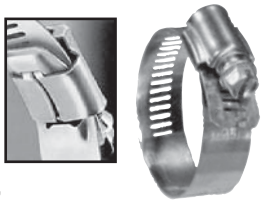
All popular applications covered. Exceeds SAE J1508.

INTERLOCKED CONSTRUCTION
One-piece housing locks directly into band. Strengthens under tension for maximum torque application. No spot welds to rupture or corrode.

STAINLESS STEEL BAND
SAE 301 (18-8) series stainless steel band and housing for maximum corrosion protection.

WORM DRIVE
For tight, quick sealing.

SLOTTED HEX SCREW
SAE 1018 steel, case hardened, zinc plated, chromate dipped. Extra-long head for non-interference tightening. Use screwdriver, wrench, or nutdriver to tightenor loosen. 5/16 hex head.



Full 1/2 inch Wide Band

PART NUMBER	SAE SIZE	FITS HOSE ID FROM	TO	QTY
10205*	04	3/16	5/16	50
10206*	06	1/4	3/8	50
10204	06	5/16	3/8	50
10207	08	5/16	1/2	50
10208	10	3/8	5/8	50
10209	12	5/8	3/4	50
10210	16	3/4	1	50
10211	20	1	1-1/4	50
10212	24	1-1/4	1-1/2	50
10213	28	1-1/4	1-3/4	50
10214	32	1-1/2	2	50
10215	36	1-3/4	2-1/4	50
10216	40	2	2-1/2	24
10217	44	2-1/4	2-3/4	24
10218	48	2-1/2	3	24
10219	52	3	3-1/4	24
10220	56	3-1/4	3-1/2	24
10221	64	3-3/4	4	24
10222	72	4	4-1/2	24
10224	80	4-1/2	5	10
10225	88	5	5-1/2	10
10226	96	5-1/2	6	10
10223	104	6	6-1/2	10
10227	128	7	8	5
10228	152	8	9-1/2	5
10229	188	10-1/2	11-1/2	5

***Mini Clamp - 5/16" wide band**

100% STAINLESS STEEL HOSE CLAMPS

All popular applications covered. Complete corrosion resistance.

STAINLESS STEEL BAND
SAE 301 (18-8) series stainless steel band and housing for maximum corrosion protection.

ROUNDED EDGES
Prevent cutting into hose.

WORM DRIVE
For tight, quick sealing. Extra-long head for non-interference tightening.

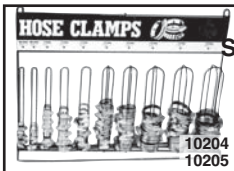
SLOTTED HEX SCREW
SAE 305 stainless steel. Use screwdriver, wrench, or nutdriver to tighten or loosen. 5/16 hex head.



Full 1/2 inch Wide Band

PART NUMBER	SAE SIZE	FITS HOSE ID FROM	TO	QTY
10256	06	1/4	3/8	24
10257	08	5/16	1/2	12
10258	10	3/8	5/8	24
10259	12	5/8	3/4	24
10260	16	3/4	1	12
10261	20	1	1-1/4	24
10262	24	1-1/4	1-1/2	12
10263	28	1-1/4	1-3/4	24
10264	32	1-1/2	2	12
10265	36	1-3/4	2-1/4	12
10266	40	2	2-1/2	6
10267	44	2-1/4	2-3/4	6
10268	48	2-1/2	3	12
10269	52	3	3-1/4	6
10270	56	3-1/4	3-1/2	6
10271	64	3-3/4	4	12
10272	72	4	4-1/2	6
10273	80	4-1/2	5	6
10274	88	5	5-1/2	6
10275	96	5-1/2	6	6
10276	104	6	6-1/2	6
10277	116	6-1/2	7	6
10278	128	7	8	5
10279	152	8	9-1/2	5
10280	188	10-1/2	11-1/2	5

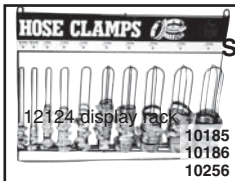
– ASSORTMENTS AVAILABLE –



MOST POPULAR SIZES COVERAGE
Part No. 10201
100 pieces • 10 items
12124 display rack

10204	10208	10211	10215
10205	10209	10213	
10206	10210	10214	

Numbers in assortment

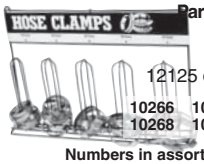


MOST POPULAR SIZES COVERAGE
Part No. 10250
88 pieces • 10 items
12124 display rack

10185	10258	10261	10265
10186	10259	10263	
10256	10260	10264	

Numbers in assortment

LARGER SIZES FOR COMPLETE COVERAGE

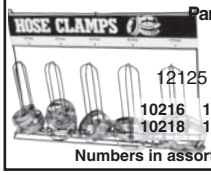


Part No. 10251
33 pieces
5 items
12125 display rack

10266	10269	10272
10268	10270	

Numbers in assortment

LARGER SIZES FOR COMPLETE COVERAGE

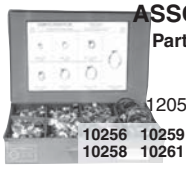


Part No. 10203
33 pieces
5 items
12125 display rack

10216	10219	10222
10218	10220	

Numbers in assortment

100% STAINLESS STEEL ASSORTMENT



Part No. 501393
67 pieces
7 items
12051 display rack

10256	10259	10263	10268
10258	10261	10265	

Numbers in assortment

STANDARD ASSORTMENT



Part No. 501394
126 pieces
7 items
12051 steel tray

10205	10208	10211
10206	10209	10213

Numbers in assortment

HOSE CLAMPS

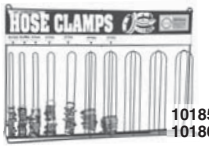
100% STAINLESS STEEL MICRO CLAMPS

Narrow and compact for easy installation in tight locations.

- 5/16" band width.
- 410 stainless steel 1/4" hex head screw.
- 301 stainless steel housing and band.



PART NUMBER	SAE SIZE	FITS HOSE ID FROM	TO	QTY
10185	004	3/16	5/16	10
10186	006	1/4	3/8	10
10187	008	5/16	1/2	10
10188	010	3/8	5/8	10
10189	012	5/8	3/4	10
10190	016	3/4	1	10
10191	020	1	1-1/4	10



Part No. 10202
72 pieces • 7 items
12124 display rack

10185 10187 10189 10191
10186 10188 10190

Numbers in assortment

LINED HOSE CLAMPS

Specially constructed lined hose clamp for silicone and other soft hoses. Inner liner prevents damage to hose.

- Stainless steel band and liner - SAE 301 (18-8) series stainless steel band and housing for maximum corrosion protection. Rounded band edges prevent hose damage.
- Worm drive - For tight, quick sealing.
- Slotted hex screw - SAE 1018 steel, case hardened, zinc plated, chromate dipped, extra-long head for non-interference tightening.
- 9/16" band width - 12-1/2% wider than most clamps for more sealing area.



PART NUMBER	SAE SIZE	FITS HOSE ID FROM	TO	QTY
10285	08	5/16	1/2	12
10286	10	3/8	5/8	12
10287	12	5/8	3/4	12
10288	16	3/4	1	12
10289	20	1	1-1/4	12
10290	24	1-1/4	1-1/2	12
10291	28	1-1/4	1-3/4	12
10292	32	1-1/2	2	12
10293	36	1-3/4	2-1/4	12
10294	40	2	2-1/2	12
10295	44	2-1/4	2-3/4	12
10296	48	2-1/2	3	12

HI-TORQUE HEAVY DUTY LINER HOSE CLAMPS

Single-piece band is extended underneath the adjustment slots to protect silicone and other soft-surface materials.

- 5/8" band width.
- Highest strength worm-drive clamps made.
- 3 times stronger than other clamps.
- Eliminates double and triple clamping.
- 100% stainless steel - greater corrosion resistance.



PART NUMBER	EFFECTIVE DIAMETER RANGE MINIMUM INCHES	MINIMUM MM	MAXIMUM INCHES	MAXIMUM MM	IND. NO.	QTY
102009	1	5	1-3/4	45	175	10
102010	1-1/4	32	2-1/8	54	200	10
102012	1-3/4	44	2-5/8	67	250	10
102014	2-1/4	57	3-1/8	79	300	10
102016	2-3/4	70	3-5/8	92	350	10
102017	3-1/4	83	4-1/8	105	400	2
102018	3-3/4	95	4-5/8	118	450	2
102019	4-1/4	108	5-1/8	130	500	2
102020	4-3/4	121	5-5/8	143	550	2
102021	5-1/4	133	6-1/8	156	600	2
102022	5-3/4	146	6-5/8	168	650	2
102023	6-1/4	159	7-1/8	181	700	2

CONSTANT TORQUE HOSE CLAMPS

Used to stop rupture problems or cold flow leaks on trucks, buses, heavy duty equipment, air intake and coolant connections.

- 5/8" wide 304 stainless steel lined band protects soft hose from damage.
- Carbon steel plated 3/8 hex head screw.
- Increases or decreases its diameter as system expands or contracts.
- Torques 50-125 inch lbs.



PART NUMBER	EFFECTIVE DIAMETER MIN-MAX	IND. NO.	QTY
10108	9/16 - 1-1/16	9410	10
10109	11/16 - 1-1/4	9412	10
10110	1 - 1-3/4	175	1
10111	1-1/4 - 2-1/8	200	1
10112	1-3/4 - 2-5/8	250	1
10113	2-1/4 - 3-1/8	300	1
10114	2-3/4 - 3-5/8	350	1
10115	3-1/4 - 4-1/8	400	1
10116	3-3/4 - 4-5/8	450	1
10117	4-1/4 - 5-1/8	500	1
10118	4-3/4 - 5-5/8	550	1
10119	5-1/4 - 6-1/8	600	1
10120	5-3/4 - 6-5/8	650	1
10121	6-1/4 - 7-1/8	700	1
10122	6-3/4 - 7-5/8	750	1
10123	7-1/4 - 8-1/8	800	1
10124	7-3/4 - 8-5/8	850	1

T-BOLT HOSE CLAMPS

Pumps, irrigation systems, coolant systems, dairy industry, sanitary systems, ducting, lab equipment.

- 3/4" wide 301 stainless steel band .025 thick.
- 1/4-28 T-Bolt and lock nut steel plated.
- Welded liner.



PART NUMBER	EFFECTIVE DIAMETER MIN-MAX	SAE SIZE	
10125	2 - 2-5/16	36	2
10126	2-1/4 - 2-9/16	44	2
10127	2-1/2 - 2-13/16	52	2
10128	2-3/4 - 3-1/16	60	2
10129	3 - 3-5/16	68	2
10130	3-1/4 - 3-9/16	76	2
10131	3-1/2 - 3-13/16	84	2
10132	4 - 4-5/16	100	2
10133	4-1/2 - 4-13/16	116	2
10134	5 - 5-5/16	132	2
10135	5-1/2 - 5-13/16	148	2
10136	6 - 6-5/16	164	2
10137	6-1/2 - 6-13/16	180	2
10138	7 - 7-5/16	196	2
10139	7-1/2 - 7-13/16	212	2
10140	8 - 8-5/16	228	2
10141	8-1/2 - 8-13/16	244	2

HOSE CLAMPS

WAVESEAL360™ SELF-ADJUSTING HOSE CLAMPS

These clamps are comprised of two main parts, the clamp assembly and the wave profile SmartLiner®. The wave profile SmartLiner is high quality, thin gauge stainless steel specifically tempered to expand & contract with temperature variations. The clamp rides on SmartLiner so pressure is more evenly distributed around the hose.

MATERIAL SPECIFICATIONS
Screw: 5/16" hex head, 410 Stainless
Housing: 300 Stainless
Band: 9/16", 300 Stainless
9/16" Spring Linger: 300 Stainless
Installation Torque: 70 in-lbs (8 Nm)





SELF-ADJUSTING CLAMP
Wave Seal design keeps constant pressure during thermal cycling to prevent cold temperature leaks.

COST EFFECTIVE
Cost affective alternative to conventional T-bolt, spring style, Belleville and high torque hose clamps in many applications.

DUAL BEAD DESIGN
Concentrates sealing pressure to prevent leaks and will not damage softer hoses. Rolled edges won't cut into the hose Outperforms T-bolt and spring clamps in leak testing and pull-off testing.

LOW PROFILE CLAMP
Compact design is ideal for use in engine compartment and other applications where space is limited.

ULTRA LIGHT WEIGHT
1/3 the weight of traditional constant torque hose clamps.

100% STAINLESS STEEL CONSTRUCTION
Excellent corrosion resistance clamp.

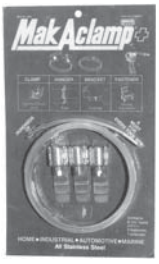
FOR USE ON
Radiator, heater, charge air (turbo) and cooling systems, heat exchangers, hydraulic systems and other fluid and air conducting.

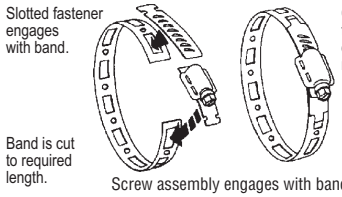
PART NUMBER	CLAMPING RANGE MIN - MAX	MIN - MAX	SAE SIZE	BAND WIDTH	QTY
103600	28mm - 33mm	1-3/32 - 1-5/16	16	9/16	5
103601	29mm - 40mm	1-1/8 - 1-9/16	20	9/16	5
103602	36mm - 43mm	1-7/16 - 1-3/4	22	9/16	5
103603	38mm - 46mm	1-1/2 - 1-13/16	24	9/16	5
103604	43mm - 52mm	1-3/4 - 2-1/16	28	9/16	5
103605	48mm - 59mm	1-15/16 - 2-5/16	32	9/16	5
103606	50mm - 62mm	2 - 2-1/2	34	9/16	5
103607	53mm - 65mm	2-1/8 - 2-9/16	36	9/16	5
103608	58mm - 71mm	2-5/16 - 2-13/16	40	9/16	5
103609	63mm - 78mm	2-1/2 - 3-1/16	44	9/16	5
103610	67mm - 84mm	2-11/16 - 3-5/16	48	9/16	5

100% STAINLESS STEEL MAKE-A-CLAMP®

A unique, multi-purpose "fix-it-kit" for farms, maintenance & repair shops, off road vehicles, motor homes, trucks & buses, construction equipment, and marine.

- **Reduces inventory-broadens coverage.**
- **Nothing else like it.**
- **Adjustable in diameter from 2 inches to many feet.**
- **Saves costly time-quickly makes exact size.**





Each kit contains:
1. Slotted fasteners.
2. Screw housing assemblies.
3. Band splices.
4. Roll of perforated band.

MAK-A-CLAMP KITS & REFILLS

PART NUMBER	KIT CONTAINS	PART NUMBER	REFILL CONTENTS
10240	**Shop Kit -** containing 50 ft. (15.2m) band, 10 adjustable fasteners* and 5 band splices.	**10242**	box of 10 adjustable fasteners*.
10241	**Tool Box Kit -** with 8.5 ft. (2.6m) band, 3 adjustable fasteners*, 1 band splice.	**10243**	box of 10 band splices.

Mak-A-Clamp® is a registered trademark.

*** Each adjustable fastener includes 1 slotted fastener and 1 screw housing assembly.**

"2" EAR CLAMPS

A medium pressure clamp used on rubber hose, plastic tubing, coaxial and electrical cable, rope, etc.

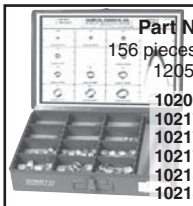
PART NUMBER	NOMINAL SIZE	WIDTH (INCHES)	QTY
102175	5/32	.138	25
102176	11/64	.138	25
102177*	3/16	.197	25
102178*	1/4	.236	25
102179*	5/16	.276	25
102180*	3/8	.276	25
102182*	1/2	.276	25
102183*	9/16	.295	25
102184	19/32	.315	25
102185*	5/8	.315	25
102186*	3/4	.335	25
102187	13/16	.354	25
102188*	7/8	.354	10
102189*	15/16	.394	10
102190*	1	.394	10
102191	1-1/16	.394	10
102192	1-1/8	.394	10
102193	1-3/16	.394	10
102194	1-5/16	.394	10
102195	1-7/16	.394	10
102196	1-1/2	.394	10
102197	1-5/8	.394	10
102198	1-3/4	.394	10

*** Contained in Assortment**

Note: When ordering your 2-Ear Clamps select nominal clamp size nearest to, but always larger than, O.D. of material to be clamped after insert has been fitted.

- **One piece design offers a positive tamperproof seal without damage to hose.**
- **Widely used for maintenance and OEM applications, and on heavily vibrating equipment.**
- **Suitable for low pressure hydraulic applications.**
- **Zinc plated 1010 carbon steel.**
- **Assures adequate closure and compensates for tolerance variations in hose sizes.**





Part No. 501559
156 pieces • 12 items
12051 steel tray

102001 102183
102177 102185
102178 102186
102179 102188
102180 102189
102182 102190

Numbers in assortment

NORMA TORRO® (European Style)

Used for fuel, vacuum, water, emission and heater hoses.

- **Short housing saddle for a smooth underside ensuring high sealing efficiency.**
- **Stainless steel band & housing, Zinc & Yellow steel screw.**
- **Unique off set non-welded design of the housing provides resistance to over-tightening damage to the hose.**
- **Original equipment on both domestic and import vehicles.**
- **DIN 3017.**

PART NUMBER	CLAMPING RANGE MIN - MAX	MIN - MAX	HEX SIZE	BAND WIDTH	QTY
421205	8mm - 12mm	5/16 - 1/2	5mm*	8mm (5/16)	12
421206	10mm - 16mm	3/8 - 5/8	5mm*	8mm (5/16)	12
421207	12mm - 18mm	1/2 - 3/4	5mm*	8mm (5/16)	12
421208	8mm - 16mm	5/16 - 5/8	6mm	9mm (11/32)	12
421209	12mm - 20mm	1/2 - 3/4	6mm	9mm (11/32)	12
421210	16mm - 25mm	5/8 - 1	6mm	9mm (11/32)	12
421211	20mm - 32mm	3/4 - 1-1/4	6mm	9mm (11/32)	6
421212	25mm - 40mm	1 - 1-5/8	6mm	9mm (11/32)	6
421213	30mm - 45mm	1-3/16 - 1-3/4	6mm	9mm (11/32)	6
421214	32mm - 50mm	1-1/4 - 2	6mm	9mm (11/32)	6
421215	40mm - 60mm	1-5/8 - 2-3/8	6mm	9mm (11/32)	6
421216	50mm - 70mm	1-31/32 - 2-3/4	6mm	9mm (11/32)	6
421217	60mm - 80mm	2-3/8 - 3-1/8	6mm	9mm (11/32)	6
421218	70mm - 90mm	2-3/4 - 3-9/16	6mm	9mm (11/32)	6

*** Phillips Hex Drive**



Part No. 501508
62 pieces • 11 items
12050 steel tray

421212 421215 421211 421207
421213 421209 421205 421208
421214 421210 421206

Numbers in assortment



Flexible Nut Driver
For 6mm hex fits
European Style Hose Clamps
No.'s 421208 thru 421215
Part No. 213135



HOSE CLAMPS, HOSE FERRULES & TOOLS

SPRING ACTION

Use on rubber or plastic hose connections.

- Heat treated spring steel, phosphate and paint.
- Easy to use - just squeeze together to open, let go to close.
- No special tools needed - use ordinary wide nose pliers.



PART NUMBER	HOSE O.D.	COLOR	WIDTH	QTY
102150	3/8	Black	5/16	50
102151	7/16	Green	5/16	50
102152	1/2	Red	5/16	50
102153	9/16	Black	5/16	50
102154	5/8	Olive	5/16	50
102155	11/16	Red	5/16	50
102156	3/4	Black	3/8	50

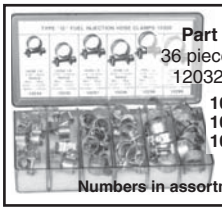
TYPE "G" FUEL INJECTION

Use on rubber or plastic hose connections.

- Full 360° liner - unbroken inner band.
- Required for fuel injection hoses.
- Rounded edges, with hex slotted screw head.
- Zinc plated.

PART NUMBER	HOSE I.D. MM	INCHES	QTY
10244	4mm	5/32	12
10245	5.6mm	7/32	12
10297*	6.3mm	1/4	12
10246	7.2mm	9/32	12
10298	8mm	5/16	12
10299	9.6mm	3/8	12

*** Zinc and Black Dichromate**



Part No. 10300
36 pieces • 6 items
12032 plastic tray

10244 10297
10245 10298
10246 10299

Numbers in assortment



STEPLESS® EAR CLAMPS

Used on thin wall hose or tubing, perfect for silicon, vinyl, polyurethane, nylon braided, synthetic hose, polyethylene pipe, fuel injection lines, water pipingand thermo plastic material.

- 360° seal - prevents leaks - tongue & groove design.
- No gaps, steps, or non-bridged sections.
- Smooth inner band eliminates gaps, and pinching on soft hose and tubing.
- Reinforced dimple in ear creates spring like action for vibration resistance.
- Breathes without loosening during temperature changes.
- No retighten needed.
- One ear design - allows easy accessibility.
- Stainless steel construction provides corrosion resistance.
- Not reusable.
- Installed with pinches on B12-8 #102001 or # 102002.
- Low pressure applications up to 500 psi max.





PART NUMBER	SIZE (MM)	NOMINAL SIZE (FRACTIONAL)	BAND WIDTH (MM)	BAND THKNS (MM)	QTY
102160	6.5	1/4	5.0	.5	25
102161	8	5/16	5.0	.5	25
102170	8.7	11/32	5.0	.5	25
102162	9.5	3/8	5.0	.5	25
102163	11.3	7/16	5.0	.5	25
102164	13.3	1/2	7.0	.6	25
102171	13.8	17/32	7.0	.6	25
102165	14.5	9/16	7.0	.6	25
102166	15.7	5/8	7.0	.6	25
102167	19.8	3/4	7.0	.6	20
102168	22.6	7/8	7.0	.6	20
102169	25.6	1	7.0	.6	20

Note: Select nominal clamp size nearest to, but always larger than, O.D. of material to be clamped.



Part No. 501700
115 pieces • 10 items
12051 steel tray

102160 102164 102168
102161 102165 102169
102162 102166
102163 102167

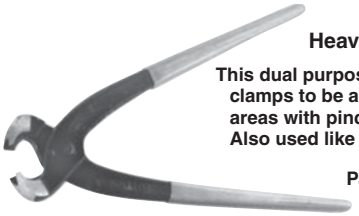
Numbers in assortment

Part No. 501701
116 pieces • 10 items
12051 steel tray
(Includes #102001 Pincer)

102160 102164 102168
102161 102165 102169
102162 102166
102163 102167

Numbers in assortment

PINCERS



Heavy Duty Side Jaw Pincers

This dual purpose, side jaw design allows clamps to be applied or removed in confined areas with pincers held parallel to the hose. Also used like standard pincers.

Part No. 102002



Heavy Duty Straight Jaw Pincers

Part No. 102001

BRASS HOSE FERRULES

Economical and dependable brass ferrules to make custom hose assemblies.



PART NUMBER	MILTON NUMBER	IND. NUMBER	HOSE OD (INCHES)	QTY
101652	1654-2	7324	1/2	10
101653	1654-3	7325	9/16	10
101654	1654-4	7326	19/32	10
101655	1654-5	7327	5/8	10
101656	1654-6	7328	21/32	10
101657	1654-7	7329	11/16	10
101658	1654-8	7330	23/32	10
101659	1654-9	7331	3/4	10

Note: Because rubber hose tolerances vary up to +/-1/32" on the ID and OD, it is necessary to fit ferrules and fittings to each individual hose being assembled.

HOSE FERRULE CRIMPING TOOL

This tool makes professional quality hose assembly fast and easy.



Part No. 101626

- Crimps ferrules on hose ranging from 1/4" single braid to 3/8" two braid hose.
- Made of high strength ductile iron casting has 5 hardened steel ribbed dies ready fir instant use.
- Can be bench-mounted or used as a portable tool at the job site.

HOSE CLAMP PLIERS

Works on flat band, spring band and space saver clamps. Grabs any size clamp from (15mm-70mm).

Application Areas
Air Intake • Cooling • Charged Air • Water Return Flow Thermostat • Fuel • Heating

- Rotatable grip inserts for securely gripping clamp in all positions.
- Slim head design, narrow head width, works great in confined areas.
- 10" overall length, max jaw opening 80mm, over 40mm clamping range.
- Chrome vanadium steel, forged & oil hardened.



25 ADJUSTMENT POSITIONS

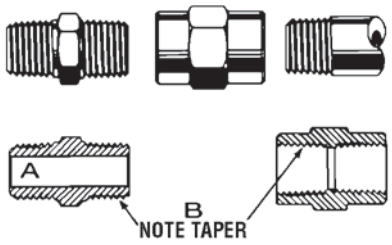


Part No. 113510

REPLACES *3 SIZES* OF OTHER HOSE CLAMP PLIERS

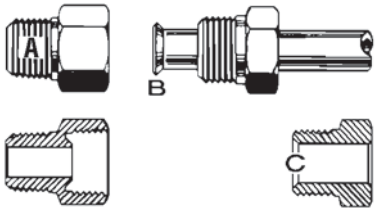
IDENTIFICATION GUIDE

PIPE FITTINGS



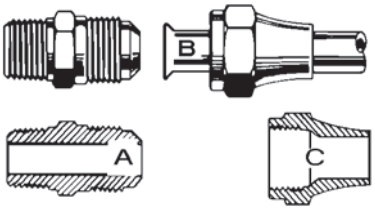
A. No inside or outside beveling.
B. Slight taper on threads.
C. Square Cut.

INVERTED FLARE



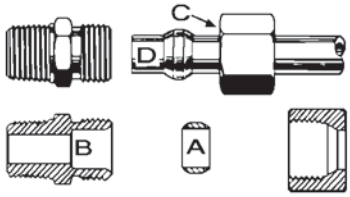
A. Raised cone seat in fitting body.
B. Tubing is flared.
C. Male nut has 45° internal seat.

SAE 45° FLARE



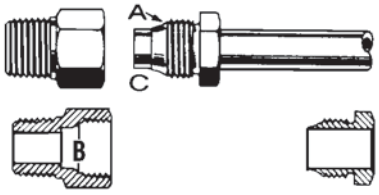
A. Tapered nose on fitting body.
B. Tubing is flared.
C. Female nut has 45° seat.

COMPRESSION



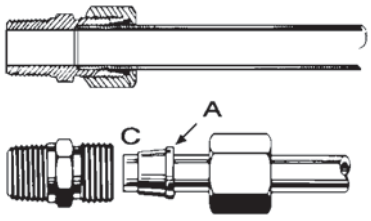
A. Double beveled separate sleeve.
B. Straight seat in fitting body.
C. Female nut has beveled seat.
D. No flare on tubing.

DOUBLE COMPRESSION



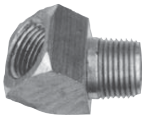
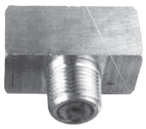
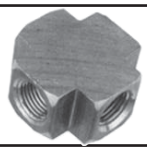
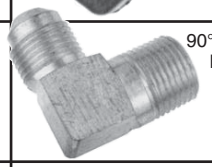
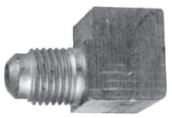
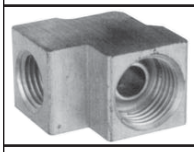
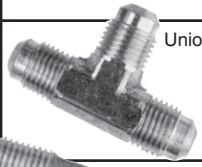
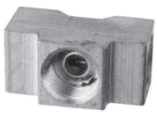
A. Male nut end acts as half sleeve.
B. Tapered seat in fitting body.
C. Tubing is slightly flared.

SELFALIGN®



A. Single bevel sleeve with flange.
B. Similar to Compression fitting, except for sleeve.
C. No flare on tubing.

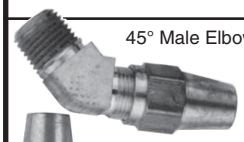
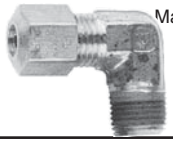
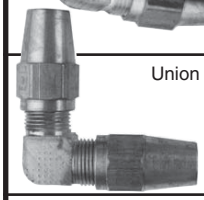
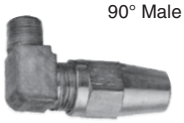
QUICK VISUAL REFERENCE

PIPE	PIPE	INVERTED FLARE	INVERTED FLARE	SAE 45° FLARE
 Cap	 45° Street Elbow	 Nuts: Steel & Brass	 Female Branch Tee	 Short & Long Nut
 Square Plug	 Elbow	 Long Nut, Steel	 Plug, Steel	 Union
 Hex Head Plug	 Street Tee	 Union	 Male Flare Connector	 Male Connector
 Socket Plug	 Male Branch Tee	 Male Connector		 Female Connector
 Adapter Bushing	 Tee	 Female Connector		 45° Male Elbow
 Reducing Bushing	 Cross	 45° Male Elbow		 Union Elbow
 Coupling	**PIPE THREAD SIZES**	 Union Elbow		 90° Male Elbow
 Reducing Coupling	1/8”	 90° Male Elbow		 90° Female Elbow
 Hex Nipple	1/4”	 90° Female Elbow		 Union Tee
 Close Nipple	3/8”	 Union Tee		 Male Run Tee
 Long Nipple	1/2”	Male Run Tee		Male Branch Tee
90° Street Elbow	3/4”	Male Branch Tee		

QUICK VISUAL REFERENCE

COMPRESSION	DOUBLE SELFALIGN ®	AIR BRAKE COMPRESSION	AIR BRAKE NYLON	NYLON
Sleeve	Sleeve	Male Nut	Sleeve	Male Run Tee
Nut	Nut	Male Connector	Insert	Male Branch Tee
Long Nut	Nut & Sleeve Assembly	90° Male Elbow	Nut	
Union	Union		Union	
Male Connector	Male Connector		Bulkhead Union	
Female Connector	Female Connector		Male Connector	
Union Elbow	Union Elbow		Female Connector	
90° Male Elbow	Male Elbow		45° Male Elbow	
90° Female Elbow	Union Tee		Union Elbow	
Union Tee			90° Male Elbow	
Male Run Tee			90° Female Elbow	
Male Branch Tee			Union Tee	

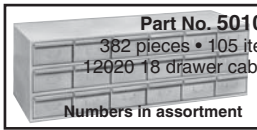
QUICK VISUAL REFERENCE

AIR BRAKE COPPER	FASTUBE INSTANT	FULLER TRANSMISSION	HOSE FITTINGS	BARB
Sleeve 	Plastic Plug 	Sleeve 	Male Adapter 	Union 
Nut 	Union 	Nut 	Male Pipe End 	Male Connector 
Union 	Bulkhead Union 	Union 	Male Pipe 90° Elbow 	Female Connector 
Male Connector 	Male Connector 	Male Connector 	Male Straight Thread Connector 	90° Male Elbow 
45° Male Elbow 	Female Connector 	Male Elbow 	Inverted Male Connector 	90° Female Elbow 
Union Elbow 	Union Elbow 	Collet 	Inverted Male Elbow Swivel 	Union Tee 
90° Male Elbow 	90° Male Elbow 	Insert 	Hose Splicer 	Union Elbow 
90° Female Elbow 	Union Tee 		SAE 45° Flare Connector 	
Union Tee 	Male Run Tee 		Reusable Male Rigid Fitting	
Male Branch Tee	Male Branch Tee		Reusable Splicer	
Male Run Tee	Tube End Reducer			
	Plastic Sleeve			

BRASS FITTING ASSORTMENTS

COMBINATION BRASS FITTINGS

- FREE Brass Identification Kit.
- Stock Organizer for parts location.
- Labels for quick identification.
- Tube Fittings Guide - contains valuable information about the tube fittings most frequently used.
- Brass Fitting Gauge.



Part No. 501062
382 pieces • 105 items
12020 18 drawer cabinet
Numbers in assortment

STYLE FITTING	SIZES
	**Compression** 3/16 tube - 1/8 pipe through 3/8 tube - 1/4 pipe
	**Inverted Flare** 3/16 tube - 1/8 pipe through 3/8 tube - 1/4 pipe
	**Pipe** 1/8 pipe through 1/2 pipe
	**SAE 45° Flare** 1/4 tube - 1/8 pipe through 1/2 tube - 3/8 pipe
	**Barbed Connector** 5/16 tube - 5/16 hose

COMBINATION BRASS FITTINGS

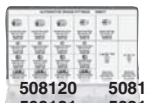


Tube Sizes: 3/16" through 3/8"
Includes Inverted Flare, SAE 45° Flare, Compression, Pipe fitings and Drain cocks.
Part No. 508001
226 pieces • 84 items • 12017 steel tray

508101	508115	508128	508144	508159	508183	508200	508226
508102	508116	508129	508145	508160	508185	508201	508227
508103	508117	508132	508147	508171	508187	508202	508233
508104	508118	508133	508150	508172	508190	508203	508234
508106	508119	508134	508151	508173	508191	508215	508235
508107	508120	508135	508152	508174	508193	508216	508244
508108	508121	508138	508153	508176	508194	508217	508245
508110	508122	508139	508155	508177	508195	508219	
508112	508123	508140	508156	508178	508196	508221	
508113	508126	508141	508157	508179	508197	508223	
508114	508127	508143	508158	508182	508198	508225	

Numbers in assortment

AUTOMOTIVE BRASS FITTINGS



Sizes: 1/8" through 5/16"
Part No. 508017
108 pieces • 19 items • 12039 steel tray

508120	508125	508128	508133	508138	508215	508245
508121	508126	508131	508134	508139	508216	
508122	508127	508132	508137	508140	508244	

Numbers in assortment



Sizes: 3/16" through 3/8"
Part No. 508002
118 pieces • 45 items • 12040 steel tray

508101	508108	508120	508128	508138	508173	508217	508227
508102	508109	508121	508129	508139	508182	508219	508244
508103	508112	508122	508132	508140	508183	508221	508245
508104	508113	508123	508133	508141	508185	508223	
508106	508114	508126	508134	508171	508215	508225	
508107	508115	508127	508135	508172	508216	508226	

Numbers in assortment

SAE 45° FLARE FITTINGS



Sizes: 1/8" through 3/8"
Part No. 501034
98 pieces • 24 items • 12017 steel tray

508170	508173	508177	508182	508185	508191	508195	508200
508171	508175	508178	508183	508189	508192	508196	508201
508172	508176	508181	508184	508190	508193	508197	508202

Numbers in assortment

MECHANICS BRASS FITTINGS

The fastest moving fittings.



Sizes: 3/16" through 3/8"
Part No. 508901
175 pieces • 19 items • 12040 steel tray

508120	508125	508128	508133	508138	508244	508262
508121	508126	508131	508134	508139	508245	
508122	508127	508132	508137	508140	508261	

Numbers in assortment

BRASS PIPE FITTINGS



Sizes: 1/8" through 1/2"
Includes plugs, caps and couplings
Part No. 501699
78 pieces • 19 items • 12017 steel tray

508215	508218	508235	508262	508910	508913	510182
508216	508233	508236	508263	508911	510180	
508217	508234	508261	508264	508912	510181	

Numbers in assortment



Part No. 501023
108 pieces • 24 items • 12017 steel tray

508215	508218	508221	508226	508229	508232	508237	508240
508216	508219	508222	508227	508230	508233	508238	508241
508217	508220	508225	508228	508231	508234	508239	508242

Numbers in assortment

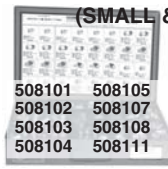


Sizes: 1/8" through 1/2"
Includes pipe plugs, reducing bushings, couplings, close & long nipples & 90° street elbows
Part No. 501832
106 pieces • 24 items • 12017 steel tray

508219	508224	508227	508234	508237	508262	508924	508934
508221	508225	508228	508235	508238	508263	508925	510184
508223	508226	508233	508236	508261	508265	508933	510185

Numbers in assortment

INVERTED FLARE FITTINGS



(SMALL & LARGE DIAMETER) Sizes: 1/8" through 1/2"
Part No. 501035
175 pieces • 32 items • 12062 steel tray

508101	508105	508112	508117	508122	508832	508839	508844
508102	508107	508113	508118	508123	508834	508840	508845
508103	508108	508115	508120	508830	508837	508842	508846
508104	508111	508116	508121	508831	508838	508843	508847

Numbers in assortment

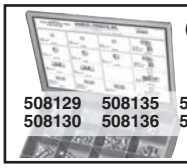
COMPRESSION FITTINGS



(SMALL DIAMETER) Sizes: 1/8" through 5/16"
Part No. 508008
156 pieces • 22 items • 12017 steel tray

508125	508128	508133	508138	508143	508150	508158	508169
508126	508131	508134	508139	508144	508151	508159	
508127	508132	508137	508140	508145	508152	508168	

Numbers in assortment



(LARGE DIAMETER) Sizes: 3/8" through 1/2"
Part No. 508009
119 pieces • 15 items • 12050 steel tray

508129	508135	508141	508147	508153	508160	508801	508811
508130	508136	508142	508149	508154	508800	508806	

Numbers in assortment



(SMALL & LARGE DIAMETER) Sizes: 1/8" through 1/2"
Part No. 501019
164 pieces • 32 items • 12062 steel tray

508125	508129	508133	508137	508141	508145	508151	508159
508126	508130	508134	508138	508142	508147	508152	508160
508127	508131	508135	508139	508143	508149	508153	508800
508128	508132	508136	508140	508144	508150	508154	508801

Numbers in assortment

BRASS FITTINGS

BRASS PIPE FITTINGS

Applications:
Low to Medium pressure; hazardous fuels, LP & natural gas, air and water. Instrumentation, hydraulic systems, refrigeration.
Advantages:
Dryseal threads. Large range of styles and sizes.
Disadvantages:
Not a good seal in severe vibration applications. Not as versatile as tubing. Pipe requires threading.

Pressure: To 1200 PSI.
Used with: Brass, iron, bronze pipe.
Assembly Notes:
1. Use sealing compound on threads for lubrication.
2. Tighten a minimum of 2-1/2 turns past hand tight.
Identifying characteristics:
Threaded areas on pipes are characteristically tapered.

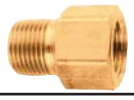


SQUARE HEAD PLUG



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508215	3151X2	1/8	10
508216	3151X4	1/4	10
508217	3151X6	3/8	5
508218	3151X8	1/2	5

ADAPTER BUSHING



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD (MALE X FEMALE)	QTY
508380	3200X2	1/8 x 1/8	10
508381	3200X4X2	1/8 x 1/4	10
508382	3200X4	1/4 x 1/4	5
508383	3200X6X2	1/8 x 3/8	5
508384	3200X6X4	1/4 x 3/8	5
508385	3200X6	3/8 x 3/8	5
508387	3200X8X6	3/8 x 1/2	1
508388	3200X8	1/2 x 1/2	1
508389	3200X12X8	1/2 x 3/4	1

MALE BRANCH TEE



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508285	3600X2	1/8	5
508286	3600X4	1/4	5
508287	3600X6	3/8	5
508919	3600X8	1/2	1

CAP



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
510180	3129X2	1/8	5
510181	3129X4	1/4	5
510182	3129X6	3/8	5
510190	--	1/2	2

HEX HEAD PLUG



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508261	3152X2	1/8	10
508262	3152X4	1/4	10
508263	3152X6	3/8	5
508264	3152X8	1/2	5
510183	3152X12	3/4	2

REDUCING BUSHING



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD (MALE X FEMALE)	QTY
508219	3220X4X2	1/4 x 1/8	10
508220	3220X6X2	3/8 x 1/8	10
508221	3220X6X4	3/8 x 1/4	10
508222	3220X8X2	1/2 x 1/8	5
508223	3220X8X4	1/2 x 1/4	5
508224	3220X8X6	1/2 x 3/8	5
508199	3220X12X6	3/4 x 3/8	1
508214	3220X12X8	3/4 x 1/2	1

TEE



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508942	3700X2	1/8	5
508943	3700X4	1/4	5
508944	3700X6	3/8	1
508945	3700X8	1/2	1

SOCKET HEAD PLUG



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
510350	--	1/8	25
510351	--	1/4	10
510352	--	3/8	10
510353	--	1/2	10

REDUCING COUPLING



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508910	3300X4X2	1/4 x 1/8	5
508911	3300X6X2	3/8 x 1/8	5
508912	3300X6X4	3/8 x 1/4	5
508913	3300X8X6	1/2 x 3/8	5

REF. SAE NO. 130138

COUPLING



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508233	3300X2	1/8 x 1/8	10
508234	3300X4	1/4 x 1/4	10
508235	3300X6	3/8 x 3/8	5
508236	3300X8	1/2 x 1/2	5
508956	3300X12	3/4 x 3/4	5

LONG NIPPLE



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD (MALE X FEMALE)	QTY
508231	3327X2	1/8 x 1-1/2	10
508232	3327X4	1/4 x 1-1/2	10
508923	3327X6	3/8 x 1-1/2	5
508924	3328X2	1/8 x 2	5
508925	3328X4	1/4 x 2	5
508926	3328X6	3/8 x 2	5
508927	3328X8	1/2 x 2	5
510184	3329X2	1/8 x 2-1/2	5
510185	3329X4	1/4 x 2-1/2	5
508928	3330X2	1/8 x 3	5
508929	3330X4	1/4 x 3	5
508930	3330X6	3/8 x 3	1
508931	3330X8	1/2 x 3	1

HEX NIPPLE



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508229	3325X2	1/8 x 1/8	10
508916	3325X4X2	1/4 x 1/8	10
508230	3325X4	1/4 x 1/4	10
508917	3325X6X2	3/8 x 1/8	5
508918	3325X6X4	3/8 x 1/4	5
508920	3325X6	3/8 x 3/8	5
508921	3325X8	1/2 x 1/2	5

CLOSE NIPPLE



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508225	3326X2	1/8	10
508226	3326X4	1/4	10
508227	3326X6	3/8	5
508228	3326X8	1/2	5
508915	3326X12	3/4	5

90° STREET ELBOW



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508237	3400X2	1/8	5
508932	3400X4X2	1/4F x 1/8M	5
508238	3400X4	1/4	5
508933	3400X6	3/8	1
508934	3400X8	1/2	1

BRASS FITTINGS

BRASS PIPE FITTINGS

STREET TEE



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508947	3750X2	1/8	5
508948	3750X4	1/4	5
508949	3750X6	3/8	1
508950	3750X8	1/2	1

CROSS



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508952	3950X2	1/8	5
508953	3950X4	1/4	5
508954	3950X6	3/8	1
508955	3950X8	1/2	1

45° STREET ELBOW



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508239	3350X2	1/8	5
508240	3350X4	1/4	5
508936	3350X6	3/8	1
508937	3350X8	1/2	1

ELBOW



PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
508241	3500X2	1/8	5
508242	3500X4	1/4	5
508939	3500X6	3/8	1
508940	3500X8	1/2	1

INVERTED FLARE TUBE FITTINGS

Applications:
Where vibration is a factor; automotive brake, fuel, and oil lines. Also air, water, gases and hazardous chemicals.

Advantages:
Low cost and reusable. Seats and threads protected. Short nut for tight spaces. Excellent vibration resistance.

Disadvantages:
Tubing must be flared.

Pressure: To 2000 PSI, depending on size and tubing.

Used with: Tubing that can be flared; copper, brass, aluminum, steel, and Bundy tubing.

Assembly Notes:
1. Use 45° flaring tool on squarely cut tubing.
2. Wrench tighten 1/6th turn past solid feel.

Identifying characteristics:
External threads on nuts. Flared tubing.



90° MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508836	402X2	1/8	1/8	20
508112	402X3	3/16	1/8	20
508113	402X4	1/4	1/8	20
508837	402X4X4	1/4	1/4	20
508114	402X5	5/16	1/8	20
508838	402X5X4	5/16	1/4	20
508115	402X6	3/8	1/4	10
508839	402X6X6	3/8	3/8	10
510198	402X8X4	1/2	1/4	10
508840	402X8	1/2	3/8	10
508841	402X8X8	1/2	1/2	10

MALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508831	202X2	1/8	1/8	20
508106	202X3	3/16	1/8	20
508107	202X4	1/4	1/8	20
508832	202X4X4	1/4	1/4	20
508108	202X5	5/16	1/8	20
508109	202X5X4	5/16	1/4	20
508833	202X6X2	3/8	1/8	10
508110	202X6	3/8	1/4	10
508834	202X6X6	3/8	3/8	10
510202	202X8X4	1/2	1/4	5
508111	202X8	1/2	3/8	10
508835	202X8X8	1/2	1/2	10
510204	202X10	5/8	1/2	2
510205	202X12	3/4	3/4	2

STANDARD NUT



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508830	100X2	1/8	20
508101	100X3	3/16	20
508102	100X4	1/4	20
508103	100X5	5/16	20
508104	100X6	3/8	10
508105	100X8	1/2	10

UNION



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510187	302X2	1/8	10
508120	302X3	3/16	20
508121	302X4	1/4	20
508122	302X5	5/16	20
508123	302X6	3/8	10
508842	302X8	1/2	10

STEEL NUT



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510191	105X2	1/8	5/16-28	10
508375	105X3	3/16	3/8-24	10*
508376	105X4	1/4	7/16-24	10*
508377	105X5	5/16	1/2-20	10*
510192	105X6	3/8	5/8-18	10
510194	105X8	1/2	3/4-18	5
510195	105X10	5/8	7/8-18	2

FEMALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508843	252X3X2	3/16	1/8	20
508844	252X4X2	1/4	1/8	20
508845	252X5X2	5/16	1/8	20
508846	252X6X4	3/8	1/4	10
508847	252X8X6	1/2	3/8	10

FEMALE BRANCH TEE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510375	652X3	3/16	1/8	1

MALE RUN TEE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510366	752X4	1/4	1/8	2

45° MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508116	352X3	3/16	1/8	20
508117	352X4	1/4	1/8	20
508118	352X5	5/16	1/8	20
508119	352X6	3/8	1/4	10
510196	352X8	1/2	3/8	5

BRASS FITTINGS

INVERTED FLARE TUBE FITTINGS

MALE BRANCH TEE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510370	602X3	3/16	1/8	2
510371	602X4	1/4	1/8	2
510372	602X5	5/16	1/8	2
510373	602X6	3/8	1/4	2
510374	602X8	1/2	3/8	1

UNION TEE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510188	702X3	3/16	5
510189	702X4	1/4	5

UNION ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510355	502X4	1/4	2

STEEL PLUG



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	THREAD	QTY
508265	131X3	3/16	3/8-24	10
508266	131X4	1/4	7/16-24	10
508267	131X5	5/16	1/2-20	10
508268	131X6	3/8	5/8-18	10

LONG STEEL NUT



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	THREAD	QTY
508378	7896X3	3/16	3/8-24	10*
508379	7896X4	1/4	7/16-24	10*

NOTE: Hydraulic brake fittings are located in section H15.

* Steel nut and Long steel nut sizes 3/16, 1/4, & 5/16 are available in packages of 10 each, as well as 25 each.

90° FEMALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510359	452X3	3/16	1/8	2
510360	452X4	1/4	1/8	2
510361	452X5	5/16	1/8	2
510362	452X6	3/8	1/4	2

MALE FLARE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	HOSE/TUBE SIZE	THREAD	QTY
508269	05705B-1560	5/16 x 5/16	1/2-20	5

SAE 45° FLARE TUBE FITTINGS

Applications:
Air, water, oil, gas, and hazardous liquids. Refrigeration, power steering, hydraulic & pneumatic systems.

Advantages:
Low cost & reusable. Forged nut for refrigeration. Vibration resistant.

Disadvantages:
Tubing must be flared. Seat body threads are exposed.

Pressure: To 2000 PSI, depending on size and tubing.

Used with: Tubing that can be flared; copper, brass steel, aluminum, plastic and Bundy tubing.

Assembly Notes:
1. Use 45° flaring tool on squarely cut tubing.
2. Wrench tighten 1/6th turn past solid feel.

Identifying characteristics:
Flared tubing. Concave long nut. Internal threads on nut.



UNION



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510108	42X2	1/8	10
508175	42X3	3/16	10
508176	42X4	1/4	10
508177	42X5	5/16	10
508178	42X6	3/8	10
508179	42X8	1/2	5
508562	42X10	5/8	5
508563	42X12	3/4	2

UNION ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508200	55X4	1/4	10
508201	55X5	5/16	10
508202	55X6	3/8	5
508203	55X8	1/2	5

SHORT NUT



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508170	1110X3	3/16	10
508171	1110X4	1/4	10
508172	1110X5	5/16	10
508173	1110X6	3/8	5
510106	1110X7	7/16	5
508174	1110X8	1/2	5
508560	1110X10	5/8	5
508561	1110X12	3/4	2

LONG NUT



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510100	41X3	3/16	10
510101	41X4	1/4	10
510102	41X5	5/16	10
510103	41X6	3/8	5
510104	41X8	1/2	5
510105	41X10	5/8	2

MALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508180	48X2	1/8	1/8	10
508181	48X3	3/16	1/8	10
508182	48X4	1/4	1/8	10
508960	48X4X4	1/4	1/4	5
508183	48X5	5/16	1/8	10
508184	48X5X4	5/16	1/4	10
508185	48X6	3/8	1/4	10
508186	48X6X2	3/8	1/8	10
508568	48X6X6	3/8	3/8	5
510120	48X6X8	3/8	1/2	5
510121	48X6X12	3/8	3/4	2
510123	48X8X4	1/2	1/4	5
508187	48X8	1/2	3/8	5
508188	48X8X8	1/2	1/2	5
510124	48X8X12	1/2	3/4	2
510125	48X10X6	5/8	3/8	5
508564	48X10	5/8	1/2	5
510126	48X10X12	5/8	3/4	2
508565	48X12	3/4	1/2	2

BRASS FITTINGS

SAE 45° FLARE TUBE FITTINGS

90° MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510127	49X2	1/8	1/8	10
508189	49X3	3/16	1/8	10
508190	49X4	1/4	1/8	10
508191	49X5	5/16	1/8	10
508961	49X4X4	1/4	1/4	5
508192	49X5X4	5/16	1/4	5
508962	49X6X2	3/8	1/8	3
508193	49X6	3/8	1/4	5
508963	49X6X6	3/8	3/8	3
510128	49X6X8	3/8	1/2	3
510129	49X6X12	3/8	3/4	2
510131	49X8X4	1/2	1/4	5
508194	49X8	1/2	3/8	5
510132	49X8X8	1/2	1/2	3
510133	49X10X6	5/8	3/8	2
508566	49X10	5/8	1/2	2
508567	49X12	3/4	1/2	2

45° MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510143	54X4	1/4	1/8	2
510144	54X5	5/16	1/8	2
510145	54X6	3/8	1/4	2
510146	54X8	1/2	3/8	2
510147	54X10	5/8	1/2	2

MALE RUN TEE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510148	51X3	3/16	1/8	10
508208	51X4	1/4	1/8	10
508209	51X5	5/16	1/8	10
508210	51X6	3/8	1/4	5
508211	51X8	1/2	3/8	5

90° FEMALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510134	50X4	1/4	1/8	5
510135	50X5	5/16	1/8	5
510136	50X6	3/8	1/4	5
510137	50X6X8	3/8	1/2	3
510138	50X8	1/2	3/8	3
510139	50X8X8	1/2	1/2	3
510140	50X8X12	1/2	3/4	2
510141	50X10	5/8	1/2	2
510142	50X10X12	5/8	3/4	2

MALE BRANCH TEE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510109	45X3	3/16	1/8	10
508204	45X4	1/4	1/8	10
508205	45X5	5/16	1/8	10
508206	45X6	3/8	1/4	5
508207	45X8	1/2	3/8	5
510110	45X10	5/8	1/2	2

PLUG



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510610	39X2	1/8	5
510611	39X3	3/16	5
510612	39X4	1/4	5
510613	39X5	5/16	5
510614	39X6	3/8	5
510615	39X8	1/2	5
510616	39X10	5/8	2
510617	39X12	3/4	2

UNION TEE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510107	44X3	3/16	10
508195	44X4	1/4	10
508196	44X5	5/16	10
508197	44X6	3/8	5
508198	44X8	1/2	5

CAP



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510601	40X2	1/8	5
510602	40X3	3/16	5
510603	40X4	1/4	5
510604	40X5	5/16	5
510605	40X6	3/8	5
510606	40X8	1/2	5
510607	40X10	5/8	2
510608	40X12	3/4	2

FEMALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510111	46X3	3/16	1/8	5
510112	46X4	1/4	1/8	5
510113	46X4X4	1/4	1/4	5
510114	46X5	5/16	1/8	5
510115	46X5X4	5/16	1/4	5
510116	46X6	3/8	1/4	5
510117	46X6X2	3/8	1/8	5
510118	46X8	1/2	3/8	5
510119	46X10	5/8	1/2	2

BRASS FITTINGS

STANDARD COMPRESSION TUBING FITTINGS

Applications:
Low/medium pressure, low vibration. Gas, oil, water, vacuum & air. Instrumentation, hydraulics, pneumatics.

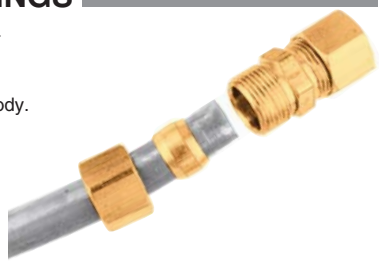
Advantages:
Easy to assemble. No flaring. Built-in tubing support.

Disadvantages:
Susceptible to vibration failure. Sleeves not reusable.

Used with: Copper, brass, aluminum & plastic tubing.
Soft plastic tubing requires internal sleeve.

Assembly Notes:
1. Make sure tubing contacts shoulder within fitting body.
2. Hand tighten, then follow with wrench.

Identifying characteristics:
No flare on tubing. Uses brass sleeve for soft tubing. Nut has internal threads.



NUT



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508131	61X2	1/8	20
508132	61X3	3/16	20
508133	61X4	1/4	20
508134	61X5	5/16	20
508135	61X6	3/8	10
508801	61X7	7/16	10
508136	61X8	1/2	10
508552	61X10	5/8	10
508553	61X12	3/4	5

90° FEMALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510173	70X2	1/8	1/8	5
510174	70X3	3/16	1/8	5
510175	70X4	1/4	1/8	5
510176	70X5	5/16	1/8	5
510177	70X6	3/8	1/4	5
510178	70X8	1/2	3/8	2

90° MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508167	69X2	1/8	1/8	10
508150	69X3	3/16	1/8	10
508151	69X4	1/4	1/8	10
508813	69X4X4	1/4	1/4	10
508152	69X5	5/16	1/8	10
508814	69X5X4	5/16	1/4	10
508815	69X6X2	3/8	1/8	5
508153	69X6	3/8	1/4	5
508816	69X6X6	3/8	3/8	5
510171	69X6X8	3/8	1/2	5
510172	69X7	7/16	1/4	5
508817	69X8X4	1/2	1/4	5
508154	69X8	1/2	3/8	5
508818	69X8X8	1/2	1/2	5
508558	69X10	5/8	1/2	2
508559	69X12	3/4	1/2	2

MALE BRANCH TEE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508213	72X3	3/16	1/8	10
508161	72X4	1/4	1/8	10
508162	72X5	5/16	1/8	5
508163	72X6	3/8	1/4	5
508819	72X8	1/2	3/8	5

SLEEVE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508125	60X2	1/8	50
508126	60X3	3/16	50
508127	60X4	1/4	50
508128	60X5	5/16	50
508129	60X6	3/8	20
508800	60X7	7/16	20
508130	60X8	1/2	20
508550	60X10	5/8	20
508551	60X12	3/4	20

MALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508168	68X2	1/8	1/8	10
508143	68X3	3/16	1/8	10
508144	68X4	1/4	1/8	10
508810	68X4X4	1/4	1/4	10
508145	68X5	5/16	1/8	10
508146	68X5X4	5/16	1/4	10
508147	68X6	3/8	1/4	5
508148	68X6X2	3/8	1/8	5
508811	68X6X6	3/8	3/8	5
510169	68X6X8	3/8	1/2	5
510170	68X7	7/16	1/4	5
508149	68X8	1/2	3/8	5
508812	68X8X8	1/2	1/2	5
508556	68X10	5/8	1/2	5
508557	68X12	3/4	1/2	2

MALE RUN TEE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
508212	71X3	3/16	1/8	10
508164	71X4	1/4	1/8	10
508165	71X5	5/16	1/8	5
508166	71X6	3/8	1/4	5
510179	71X8	1/2	3/8	5

UNION ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510155	65X2	1/8	5
508124	65X3	3/16	5
508155	65X4	1/4	5
508156	65X5	5/16	5
508157	65X6	3/8	5
510156	65X7	7/16	5
508807	65X8	1/2	5
510157	65X10	5/8	2
510158	65X12	3/4	2

LONG NUT



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510150	1611X3	3/16	10
508802	1611X4	1/4	10
508803	1611X5	5/16	10
508804	1611X6	3/8	10
508805	1611X8	1/2	10
510151	1611X12	3/4	5

FEMALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510159	66X2	1/8	1/8	5
510160	66X3	3/16	1/8	5
510161	66X4	1/4	1/8	5
510162	66X4X4	1/4	1/4	5
508808	66X5	5/16	1/8	5
508809	66X5X4	5/16	1/4	5
510163	66X6X2	3/8	1/8	5
510164	66X6	3/8	1/4	5
510165	66X8	1/2	3/8	2
510166	66X10X6	5/8	3/8	2
510167	66X10	5/8	1/2	2
510168	66X12X8	3/4	1/2	2

UNION



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508137	62X2	1/8	10
508138	62X3	3/16	10
508139	62X4	1/4	10
508140	62X5	5/16	5
508141	62X6	3/8	5
510149	62X7	7/16	5
508142	62X8	1/2	5
508554	62X10	5/8	2
508555	62X12	3/4	2

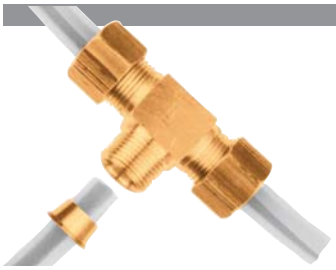
UNION TEE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510152	64X2	1/8	5
508169	64X3	3/16	5
508158	64X4	1/4	5
508159	64X5	5/16	5
508160	64X6	3/8	5
508806	64X8	1/2	2
510153	64X10	5/8	2
510154	64X12	3/4	2

BRASS FITTINGS

SELFALIGN FITTINGS



Applications:
LP and natural gas, hazardous fuels. Low/medium pressure systems; oil, pneumatics, instrumentation.
Advantages:
No flaring. Ridge on sleeve prevents over-tightening. Fitting bodies interchangeable with Compression bodies.
Disadvantages:
Fair resistance to vibration. Sleeves not reusable.
Pressure: 2000 PSI

Used with: Copper, brass, aluminum and thermo-plastic tubing. Not recommended for steel.
Assembly Notes:
1. With nut finger tight, insert tubing until bottomed in the fitting. Complete tightening with wrench.
Identifying characteristics:
Very similar to Compression fittings, except for the sleeve. Sleeve is tapered on one end, with a ridge located at the opposite end.

SLEEVE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510206	601X2	1/8	10
510207	601X3	3/16	10
510208	601X4	1/4	10
510209	601X5	5/16	10
510210	601X6	3/8	10
510211	601X8	1/2	5
510212	601X10	5/8	5
510213	601X12	3/4	5

UNION TEE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510230	641X3	3/16	2
510231	641X4	1/4	2
510232	641X5	5/16	2
510233	641X6	3/8	2
510234	641X8	1/2	2

MALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510250	681X2	1/8	1/8	3
510251	681X3	3/16	1/8	3
510252	681X4	1/4	1/8	3
510253	681X4X4	1/4	1/4	3
510254	681X5	5/16	1/8	3
510255	681X5X4	5/16	1/4	3
510256	681X6X2	3/8	1/8	3
510257	681X6	3/8	1/4	3
510258	681X6X6	3/8	3/8	3
510259	681X6X8	3/8	1/2	3
510260	681X8	1/2	3/8	3
510261	681X8X8	1/2	1/2	2

NUT



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510214	611X2	1/8	5
510215	611X3	3/16	5
510216	611X4	1/4	5
510217	611X5	5/16	5
510218	611X6	3/8	2
510219	611X8	1/2	2
510220	611X10	5/8	2
510221	611X12	3/4	2

NUT & SLEEVE ASSEMBLY



PART NUMBER	TUBE SIZE	QTY
508820	1/8	20
508821	3/16	20
508822	1/4	20
508823	5/16	10
508824	3/8	10
508825	1/2	10

MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510263	691X2	1/8	1/8	3
510264	691X3	3/16	1/8	3
510265	691X4	1/4	1/8	3
510266	691X4X4	1/4	1/4	3
510267	691X5	5/16	1/8	3
510268	691X5X4	5/16	1/4	3
510269	691X6X2	3/8	1/8	2
510270	691X6	3/8	1/4	2
510271	691X6X6	3/8	3/8	2
510272	691X6X8	3/8	1/2	1
510273	691X8	1/2	3/8	1
510274	691X8X8	1/2	1/2	1

UNION



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510222	621X2	1/8	3
510223	621X3	3/16	3
510224	621X4	1/4	3
510225	621X5	5/16	3
510226	621X6	3/8	3
510227	621X8	1/2	2
510228	621X10	5/8	1

UNION ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510236	651X4	1/4	3
510237	651X5	5/16	3
510238	651X6	3/8	3

FEMALE CONNECTOR



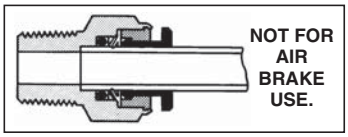
PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510240	661X2	1/8	1/8	3
510241	661X3	3/16	1/8	3
510242	661X4	1/4	1/8	3
510243	661X4X4	1/4	1/4	3
510244	661X5	5/16	1/8	3
510246	661X6X2	3/8	1/8	3
510247	661X6	3/8	1/4	3
510248	661X8	1/2	3/8	3

B13

FASTUBE INSTANT FITTINGS

A NEW CONCEPT IN BRASS COMPRESSION FITTINGS

A one piece, solid brass fitting.
For nylon, plastic, and soft metal tubing. Just push tubing into the fitting for an instant connection and 100% seal.
Save an average of 75% assembly time. Cuts downtime, labor and inventory.
No special tools. Eliminates nuts, ferrules and trimming tubes. Repairs can be made without disassembly.
Unique 3600 swivel feature makes tubing alignment, without kinking, easy.
Permanent connection, yet reusable.
Once tubing is locked into place, it stays there until you make a deliberate effort to disconnect.
Full flow. No inserts or tube support mechanisms to cause restrictions.
Performance tested before packaging. You are assured of product performance.
Vibration resistant. The tube is sealed by O-ring, and mechanically held into place, making this fitting is an excellent choice for wherever vibration is a factor.



FASTUBE INSTANT FITTINGS

Advantages:
No special tools. Tremendous time savings. Instant connection and disassembly. 360° swivel on elbows and tees. Tubing size marked on release button.
Pressure: To 300 PSI **Used with:** Polyethylene, polyproplene, polyurethane, nylon, and all thermoplastic tubing.
Temperature: 0° to 200°F **Material:** Nickel-plated forged brass body
Assembly Notes:
1. Be sure tubing is cut square and is free of burrs.
2. Insert tubing into fitting until it bottoms. A slight twisting motion will ease the insertion. Pull on tubing to verify it is properly retained in the fitting.
3. To disassemble, simply push the release button against the body and remove tubing.



— NOT FOR AIR BRAKE USE —

UNION



PART NUMBER	TUBE SIZE	QTY
508605	1/8	1
508665	5/32	1
508606	1/4	1
508666	5/16	1
508607	3/8	1
508608	1/2	1

BULKHEAD UNION



PART NUMBER	TUBE SIZE	QTY
508611	1/8	1
508667	5/32	1
508612	1/4	1
508668	5/16	1
508613	3/8	1
508614	1/2	1

MALE CONNECTOR



PART NUMBER	TUBE SIZE	PIPE THREAD	ALLEN WRENCH	QTY
508617	1/8	1/8	3/16	1
508669	5/32	1/8	3/16	1
508670	5/32	1/4	3/16	1
508618	1/4	1/8	3/16	1
508619	1/4	1/4	3/16	1
508620	1/4	3/8	3/16	1
508671	5/16	1/8	3/16	1
508672	5/16	1/4	3/16	1
508621	3/8	1/8	3/16	1
508622	3/8	1/4	1/4	1
508623	3/8	3/8	1/4	1
508624	1/2	3/8	3/8	1
508625	1/2	1/2	3/8	1

UNION TEE



PART NUMBER	TUBE SIZE	QTY
508627	1/8	1
508673	5/32	1
508628	1/4	1
508674	5/16	1
508629	3/8	1
508630	1/2	1

90° MALE ELBOW, SWIVEL



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
508633	1/8	1/8	1
508675	5/32	1/8	1
508676	5/32	1/4	1
508634	1/4	1/8	1
508635	1/4	1/4	1
508677	5/16	1/8	1
508678	5/16	1/4	1
508636	3/8	1/8	1
508637	3/8	1/4	1
508638	3/8	3/8	1
508639	1/2	3/8	1

MALE RUN TEE, SWIVEL



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
508643	1/8	1/8	1
508679	5/32	1/8	1
508644	1/4	1/8	1
508645	1/4	1/4	1
508680	5/16	1/8	1
508681	5/16	1/4	1
508646	3/8	1/4	1
508682	3/8	3/8	1
508647	1/2	3/8	1

MALE BRANCH TEE, SWIVEL



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
508650	1/8	1/8	1
508683	5/32	1/8	1
508651	1/4	1/8	1
508652	1/4	1/4	1
508684	5/16	1/8	1
508685	5/16	1/4	1
508686	3/8	1/4	1
508687	3/8	3/8	1
508653	1/2	3/8	1

PLASTIC PLUG



PART NUMBER	TUBE SIZE	QTY
508656	1/8	1
508688	5/32	1
508657	1/4	1
508689	5/16	1
508658	3/8	1
508659	1/2	1

FEMALE CONNECTOR



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
508690	1/8	1/8	1
508691	5/32	1/8	1
508692	5/32	1/4	1
508693	1/4	1/8	1
508694	1/4	1/4	1
508695	5/16	1/8	1
508696	5/16	1/4	1
508697	3/8	1/4	1
508698	3/8	3/8	1

FASTUBE INSTANT FITTINGS

FASTUBE INSTANT FITTINGS

TUBE END REDUCER



PART NUMBER	TUBE SIZE (1)	TUBE SIZE (2)	QTY
508705	1/8	5/32	1
508706	1/8	1/4	1
508707	5/32	1/4	1
508708	5/32	5/16	1
508709	5/32	3/8	1
508710	1/4	5/16	1
508711	1/4	3/8	1
508712	1/4	1/2	1
508713	5/16	3/8	1
508714	3/8	1/2	1

UNION ELBOW



PART NUMBER	TUBE SIZE	QTY
508715	1/8	1
508716	5/32	1
508717	1/4	1
508718	5/16	1
508719	3/8	1
508720	1/2	1

90° MALE ELBOW



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
508721	1/8	1/8	1
508722	5/32	1/8	1
508723	5/32	1/4	1
508724	1/4	1/8	1
508725	1/4	1/4	1
506726	5/16	1/8	1
508727	5/16	1/4	1
508728	3/8	1/4	1
508729	3/8	3/8	1
508730	3/8	1/2	1
508731	1/2	3/8	1

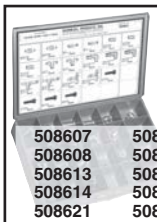
FASTUBE INSTANT FITTING ASSORTMENTS



Sizes: 1/8" and 1/4"
Part No. 508601
48 pieces • 24 items
12017 steel tray

508605	**508617**	**508629**	**508646**
508606	**508618**	**508633**	**508650**
508607	**508619**	**508634**	**508652**
508611	**508620**	**508635**	**508656**
508612	**508627**	**508643**	**508657**
508613	**508628**	**508645**	**508658**

Numbers in assortment



Sizes: 3/8" and 1/2"
Part No. 508602
68 pieces • 20 items
12017 steel tray

508607	**508622**	**508638**	**508653**
508608	**508623**	**508639**	**508656**
508613	**508629**	**508646**	**508657**
508614	**508630**	**508647**	**508658**
508621	**508637**	**508652**	**508659**

Numbers in assortment



Sizes: 1/8"
Part No. 508660
24 pieces • 8 items
12039 plastic tray

508605	**508627**	**508650**
508611	**508633**	**508656**
508617	**508643**	

Numbers in assortment



Sizes: 3/8"
Part No. 508662
18 pieces • 6 items
12042 plastic tray

508607	**508623**	**508638**
508613	**508629**	**508658**

Numbers in assortment



Sizes: 1/4"
Part No. 508661
24 pieces • 8 items
12039 plastic tray

508606	**508628**	**508652**
508612	**508635**	**508657**
508619	**508645**	

Numbers in assortment



Sizes: 1/2"
Part No. 508663
18 pieces • 6 items
12042 plastic tray

508608	**508630**	**508653**
508614	**508639**	**508659**

Numbers in assortment

B13

COMPOSITE PUSH-TO-CONNECT FITTINGS

COMPOSITE PUSH-TO-CONNECT FITTINGS

Advantages:
An Economical Alternative for Non-Critical Applications. No special tools. Tremendous time savings. Instant connection and disassembly. 360° swivel on elbows and tees. Tubing O.D. size marked on the release button.

Temperature Range: 0° to 140°F.
Pressure: To 150 PSI
Used with: Most thermoplastic tubing.
Material: Shaped fittings have composite bodies and the straight fittings have a nickel plated brass bodies. External pipe threads come with a pre-applied white PCTFE sealant.



NOT FOR AIR BRAKE USE OR LIVE SWIVEL APPLICATIONS

UNION



PART NUMBER	TUBE SIZE	QTY
509211	1/8	1
509212	5/32	1
509213	3/16	1
509214	1/4	1
509215	5/16	1
509216	3/8	1
509217	1/2	1

UNION ELBOW



PART NUMBER	TUBE SIZE	QTY
509218	1/8	1
509219	5/32	1
509220	3/16	1
509221	1/4	1
509222	5/16	1
509223	3/8	1
509224	1/2	1

FEMALE CONNECTOR



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
509228	5/32	1/8	1
509229	5/32	1/4	1
509225	3/16	1/8	1
509226	1/4	1/8	1
509227	1/4	1/4	1
509230	5/16	1/8	1
509231	5/16	1/4	1
509232	3/8	1/4	1
509233	3/8	3/8	1

90° MALE ELBOW



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
509234	1/8	1/8	1
509235	1/8	1/4	1
509236	5/32	1/8	1
509237	5/32	1/4	1
509238	3/16	1/8	1
509239	3/16	1/4	1
509240	1/4	1/8	1
509241	1/4	1/4	1
509242	1/4	3/8	1
509243	5/16	1/8	1
509244	5/16	1/4	1
509245	5/16	3/8	1
509246	3/8	1/8	1
509247	3/8	1/4	1
509248	3/8	3/8	1
509249	3/8	1/2	1
509250	1/2	1/4	1
509251	1/2	3/8	1
509252	1/2	1/2	1

UNION TEE



PART NUMBER	TUBE SIZE	QTY
509253	1/8	1
509254	5/32	1
509255	3/16	1
509256	1/4	1
509257	5/16	1
509258	3/8	1
509259	1/2	1

MALE CONNECTOR



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
509260	1/8	1/8	1
509261	1/8	1/4	1
509262	5/32	1/8	1
509263	5/32	1/4	1
509264	3/16	1/8	1
509265	3/16	1/4	1
509266	1/4	1/8	1
509267	1/4	1/4	1
509268	1/4	3/8	1
509269	5/16	1/8	1
509270	5/16	1/4	1
509271	5/16	3/8	1
509272	3/8	1/8	1
509273	3/8	1/4	1
509274	3/8	3/8	1
509275	3/8	1/2	1
509276	1/2	1/4	1
509277	1/2	3/8	1
509278	1/2	1/2	1

MALE RUN TEE, SWIVEL



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
509279	1/8	1/8	1
509280	1/8	1/4	1
509281	5/32	1/8	1
509282	5/32	1/4	1
509283	3/16	1/8	1
509284	3/16	1/4	1
509285	1/4	1/8	1
509286	1/4	1/4	1
509287	1/4	3/8	1
509288	5/16	1/8	1
509289	5/16	1/4	1
509290	5/16	3/8	1
509291	3/8	1/8	1
509292	3/8	1/4	1
509293	3/8	3/8	1
509294	3/8	1/2	1
509295	1/2	1/4	1
509296	1/2	3/8	1
509297	1/2	1/2	1

MALE BRANCH TEE, SWIVEL



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
509298	1/8	1/8	1
509299	1/8	1/4	1
509300	5/32	1/8	1
509301	3/16	1/8	1
509302	3/16	1/4	1
509303	1/4	1/8	1
509304	1/4	1/4	1
509305	1/4	3/8	1
509306	5/16	1/8	1
509307	5/16	1/4	1
509308	5/16	3/8	1
509309	3/8	1/8	1
509310	3/8	1/4	1
509311	3/8	3/8	1
509312	3/8	1/2	1
509313	1/2	1/4	1
509314	1/2	3/8	1
509315	1/2	1/2	1

COMPOSITE PUSH-TO-CONNECT FITTINGS

COMPOSITE PUSH-TO-CONNECT FITTINGS

90° FEMALE ELBOW



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
509316	1/8	1/8	1
509317	1/8	1/4	1
509318	5/32	1/8	1
509319	5/32	1/4	1
509320	1/4	1/8	1
509321	1/4	1/4	1
509322	1/4	3/8	1
509323	5/16	1/8	1
509324	5/16	1/4	1
509325	3/8	1/8	1
509326	3/8	1/4	1
509327	3/8	3/8	1
509328	3/8	1/2	1
509329	1/2	3/8	1
509330	1/2	1/2	1

UNION "Y" CONNECTOR



PART NUMBER	TUBE SIZE	QTY
509331	1/8	1
509332	5/32	1
509333	3/16	1
509334	1/4	1
509335	5/16	1
509336	3/8	1
509337	1/2	1

UNION "Y" MALE CONNECTOR



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
509338	1/8	1/8	1
509339	1/8	1/4	1
509342	5/32	1/8	1
509343	5/32	1/4	1
509340	3/16	1/8	1
509341	3/16	1/4	1
509344	1/4	1/8	1
509345	1/4	1/4	1
509346	1/4	3/8	1
509347	5/16	1/8	1
509348	5/16	1/4	1
509349	3/8	1/8	1
509350	3/8	1/4	1
509351	3/8	3/8	1
509352	3/8	1/2	1

COMPOSITE PUSH-TO-CONNECT FITTING ASSORTMENTS



Sizes: 1/8" and 1/4"
Part No. 509601
48 pieces • 24 items
12017 steel tray

508656	509234	509260	509292
508657	509240	509266	509298
508658	509241	509267	509304
509211	509253	509268	509331
509214	509256	509279	509334
509216	509258	509286	509336

Numbers in assortment



Sizes: 3/8" and 1/2"
Part No. 509602
68 pieces • 20 items
12017 steel tray

508656	509217	509259	509296
508657	509247	509272	509304
508658	509248	509273	509314
508659	509251	509274	509336
509216	509258	509292	509337

Numbers in assortment



Sizes: 1/8"
Part No. 509660
24 pieces • 8 items
12039 plastic tray

508656	509253	509298
509211	509260	509331
509234	509279	

Numbers in assortment



Sizes: 3/8"
Part No. 509662
18 pieces • 6 items
12042 plastic tray

508658	509248	509274
509216	509258	509336

Numbers in assortment



Sizes: 1/4"
Part No. 509661
24 pieces • 8 items
12039 plastic tray

508657	509256	509304
509214	509267	509334
509241	509286	

Numbers in assortment



Sizes: 1/2"
Part No. 509663
18 pieces • 6 items
12042 plastic tray

508659	509251	509314
509217	509259	509337

Numbers in assortment

B13

METRIC PUSH CONNECT FITTINGS

METRIC PUSH TO CONNECT FITTINGS

Advantages: No special tools. Tremendous time savings. Instant connection and disassembly.
Temperature Range: -40°F to +200°F
Pressure: To 250 PSI
Used with: Metric nylon tubing.
Material: Brass nickel plated.
Assembly Notes:
1. Be sure tubing is cut square and is free of burrs.
2. Depress release button to remove tubing.

Internal Sealing Method: O-ring of buna-n construction. Male threads have a plastic sealing washer.
Applications: Compressed air, pneumatic instrumentation, circuit, lubricant and cooling lines.



NOMINAL SIZE	2	4	6	8
Thread MM				
BSPT	1/8 (2PT)	1/4 (4PT)	3/8 (6PT)	1/2 (8PT)
BSPP	1/8 (2PP)	1/4 (4PP)	3/8 (6PP)	1/2

THREAD IDENTIFICATION

BSPT	British Standard Pipe Taper
BSPP	British Standard Pipe Parallel

INDUSTRY SUFFIX CHART

MRP	Metric Red Plug
PP	British Parallel Plug (BSPP)
PT	British Tapered Pipe (BSPT)
PTS	British Tapered Pipe Swivel (BSPT)

— NOT FOR AIR BRAKE USE —

PLASTIC PLUG



PART NUMBER	INDUSTRY NUMBER	TUBE O.D. (mm)	QTY
510500	1129x4MRP	4	2
510501	1129x6MRP	6	2
510502	1129x8MRP	8	2
510503	1129x10MRP	10	2
510504	1129x12MRP	12	2

UNION



PART NUMBER	INDUSTRY NUMBER	TUBE O.D. (mm)	QTY
510505	1162x4M	4	1
510506	1162x6M	6	1
510507	1162x8M	8	1
510508	1162x10M	10	1
510509	1162x12M	12	1

MALE "Y"



PART NUMBER	INDUSTRY NUMBER	TUBE O.D. (mm)	THREAD SIZE BSPT	QTY
510510	1108x4Mx2PT	4	1/8	1
510511	1108x6Mx2PT	6	1/8	1
510512	1108x8Mx2PT	8	1/8	1
510513	1108x8Mx4PT	8	1/4	1

UNION "Y"



PART NUMBER	INDUSTRY NUMBER	TUBE O.D. (mm)	QTY
510514	1107x4M	4	1
510515	1107x6M	6	1
510516	1107x8M	8	1
510517	1107x10M	10	1

MALE CONNECTOR (Universal BSPT/BSPP)



PART NUMBER	INDUSTRY NUMBER	TUBE O.D. (mm)	THREAD SIZE BSPT	QTY
510518	1168x4Mx2PT	4	1/8	2
510519	1168x4Mx4PT	4	1/4	2
510520	1168x6Mx2PT	6	1/8	2
510521	1168x6Mx4PT	6	1/4	2
510522	1168x8Mx2PT	8	1/8	2
510523	1168x8Mx4PT	8	1/4	2
510524	1168x8Mx6PT	8	3/8	2
510525	1168x10Mx4PT	10	1/4	2
510526	1168x10Mx6PT	10	3/8	2
510527	1168x10Mx8PT	10	1/2	1
510528	1168x12Mx4PT	12	1/4	2
510529	1168x12Mx6PT	12	3/8	2
510530	1168x12Mx8PT	12	1/2	1

FEMALE CONNECTOR (BSPP)



PART NUMBER	INDUSTRY NUMBER	TUBE O.D. (mm)	THREAD SIZE BSPT	QTY
510531	1166x4Mx2PP	4	1/8	2
510532	1166x6Mx2PP	6	1/8	2
510533	1166x6Mx4PP	6	1/4	2
510534	1166x8Mx2PP	8	1/8	2
510535	1166x8Mx4PP	8	1/4	2
510536	1166x10Mx4PP	10	1/4	1

UNION ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE O.D. (mm)	QTY
510537	1165x4M	4	2
510538	1165x6M	6	2
510539	1165x8M	8	1
510540	1165x10M	10	1
510541	1165x12M	12	1

MALE ELBOW (BSPT)



PART NUMBER	INDUSTRY NUMBER	TUBE O.D. (mm)	THREAD SIZE BSPT	QTY
510542	1169x4Mx2PT	4	1/8	2
510543	1169x4Mx4PT	4	1/4	2
510544	1169x6Mx2PT	6	1/8	2
510545	1169x6Mx4PT	6	1/4	2
510546	1169x8Mx2PT	8	1/8	2
510547	1169x8Mx4PT	8	1/4	2
510548	1169x8Mx6PT	8	3/8	1
510549	1169x10Mx4PT	10	1/4	1
510550	1169x10Mx6PT	10	3/8	1
510551	1169x12Mx4PT	12	1/4	1
510552	1169x12Mx6PT	12	3/8	1

MALE ELBOW SWIVEL (Universal BSPT/BSPP)



PART NUMBER	INDUSTRY NUMBER	TUBE O.D. (mm)	THREAD SIZE BSPT	QTY
510553	1169x4Mx2PTS	4	1/8	1
510554	1169x4Mx4PTS	4	1/4	1
510555	1169x6Mx2PTS	6	1/8	1
510556	1169x6Mx4PTS	6	1/4	1
510557	1169x8Mx2PTS	8	1/8	1
510558	1169x8Mx4PTS	8	1/4	1
510559	1169x8Mx6PTS	8	3/8	1
510560	1169x10Mx4PTS	10	1/4	1
510561	1169x10Mx6PTS	10	3/8	1
510562	1169x10Mx8PTS	10	1/2	1
510563	1169x12Mx4PTS	12	1/4	1
510564	1169x12Mx6PTS	12	3/8	1
510565	1169x12Mx8PTS	12	1/2	1

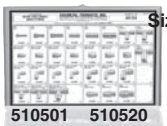
UNION TEE



PART NUMBER	INDUSTRY NUMBER	TUBE O.D. (mm)	QTY
510566	1164x4M	4	1
510567	1164x6M	6	1
510568	1164x8M	8	1
510569	1164x10M	10	1
510570	1164x12M	12	1

METRIC PUSH CONNECT FITTINGS

METRIC PUSH CONNECT FITTINGS



Sizes: 6mm through 10mm
Part No. 501724
47 pieces • 29 items
12062 steel tray

510501	510520	510526	510549	510576
510502	510521	510544	510550	510578
510503	510522	510545	510567	510583
510506	510523	510546	510568	510584
510507	510524	510547	510569	510585
510508	510525	510548	510573	

Numbers in assortment

MALE BRANCH TEE SWIVEL (BSPT)



PART NUMBER	INDUSTRY NUMBER	TUBE O.D. (mm)	THREAD SIZE BSPT	QTY
510571	1172x4Mx2PTS	4	1/8	1
510572	1172x6Mx2PTS	6	1/8	1
510573	1172x6Mx4PTS	6	1/4	1
510574	1172x8Mx2PTS	8	1/8	1
510575	1172x8Mx4PTS	8	1/4	1
510576	1172x8Mx6PTS	8	3/8	1
510577	1172x10Mx4PTS	10	1/4	1
510578	1172x10Mx6PTS	10	3/8	1
510579	1172x12Mx4PTS	12	1/4	1
510580	1172x12Mx6PTS	12	3/8	1
510581	1172x12Mx8PTS	12	1/2	1

BULKHEAD UNION



PART NUMBER	INDUSTRY NUMBER	TUBE O.D. (mm)	QTY
510582	1174x4M	4	1
510583	1174x6M	6	1
510584	1174x8M	8	1
510585	1174x10M	10	1
510586	1174x12M	12	1

B13

FULLER TRANSMISSION COMPRESSION / BARB FITTINGS

FULLER TRANSMISSION COMPRESSION FITTINGS

- Specialized compression fittings for service and repair of Fuller Truck Transmissions.
- Solid brass.
- Easy to assemble.
- Brass inserts for 3/16'' nylon tubing.
- Warning: Never reuse fitting sleeves.



Part No. 510901
53 pieces • 9 items
12031 plastic tray

510902	510905	510908
510903	510906	510909
510904	510907	510910

Numbers in assortment



NUT



PART NUMBER	TUBE SIZE	QTY
510906	1/8	10
510911	5/32	10
510907	3/16	10

MALE ELBOW



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
510917	1/8	1/16	3
510904	1/8	1/8	3
510918	5/32	1/8	3
510905	3/16	1/8	3

INSERT



PART NUMBER	TUBE SIZE	QTY
508391	3/16	50

SLEEVE



PART NUMBER	TUBE SIZE	QTY
510910	3/16	25

UNION



PART NUMBER	TUBE SIZE	QTY
510909	1/8	2
510913	5/32	2

COLLET



PART NUMBER	TUBE SIZE	QTY
510908	1/8	10
510912	5/32	10

MALE CONNECTOR



PART NUMBER	TUBE SIZE	PIPE THREAD	QTY
510902	1/8	1/16	5
510914	1/8	1/8	5
510915	5/32	1/16	5
510916	5/32	1/8	5
510903	3/16	1/8	5

BARB FITTINGS

- Specialized hose fittings for a quick, economical way to connect polyethylene tubing.
- Solid brass.
- Easy to assemble. Just push squarely cut tubing over both barbs.
- Working pressures and temperatures:
  - 1/4 & 3/8 tubing: 150 PSI • -65° to 90°F
  - 1/2 tubing: 100 PSI • -65° to 75°F
- May be double or single barb.





UNION



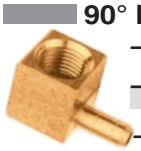
PART NUMBER	TUBE O.D.	QTY
510300	1/4	5
510301	3/8	5
510302	1/2	5

UNION TEE



PART NUMBER	TUBE O.D.	QTY
510312	1/4	2
510313	3/8	2
510314	1/2	2

90° FEMALE ELBOW



PART NUMBER	TUBE O.D.	PIPE THREAD	QTY
510323	1/4	1/8	2
510324	3/8	1/4	2

FEMALE CONNECTOR



PART NUMBER	TUBE O.D.	PIPE THREAD	QTY
510303	1/4	1/8	3
510304	3/8	1/8	3
510305	3/8	1/4	3

MALE CONNECTOR



PART NUMBER	TUBE O.D.	PIPE THREAD	QTY
510306	1/4	1/16	5
510307	1/4	1/8	5
510308	1/4	1/4	5
510309	3/8	1/8	3
510310	3/8	1/4	3
510311	1/2	3/8	3

UNION ELBOW



PART NUMBER	TUBE O.D.	QTY
510315	1/4	5
510316	3/8	5
510317	1/2	5

90° MALE ELBOW



PART NUMBER	TUBE O.D.	PIPE THREAD	QTY
510318	1/4	1/8	3
510319	1/4	1/4	3
510320	3/8	1/8	3
510321	3/8	1/4	2
510322	1/2	3/8	2

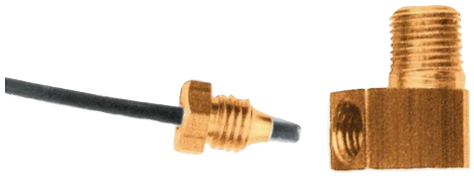
BRASS FITTINGS

THREADED SLEEVE TUBING FITTINGS

Applications:
Oil, air, water, and lubrication systems.
Advantages:
Easy to assemble. No flaring required.
Disadvantages:
Limited selection of sizes and shapes.
Difficult to disassemble and reassemble.
Pressure: 500 PSI for 1/4'' and 1/8''.
250 PSI for 5/16'' and 3/8''.

Used with: Copper, Aluminum and Nylon.
Assembly Notes:
1. Lubricate threads.
2. Tighten 1-1/2 turns past hand tight.

Identifying characteristics:
Similar in appearance to the inverted flare fitting, but with a thinner nut. External thread on nut. Also known as DOUBLE COMPRESSION fittings.



MALE NUT



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
510276	6100x2	1/8	10
510277	6100x3	3/16	10
510278	6100x4	1/4	10

MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510289	6400x2	1/8	1/8	2
510290	6400x3	3/16	1/8	2
510291	6400x4	1/4	1/8	2

MALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	PIPE THREAD	QTY
510284	6200x2	1/8	1/8	5
510285	6200x3	3/16	1/8	5
510286	6200x4	1/4	1/8	5

GM COOLER REPAIR FITTINGS

- **Eliminates costly oil cool replacement in GM radiators.**
- **Fittings engage the damaged or stripped threads in the cool connection, located in the radiators lower or side tank, and is soldered into place.**
- **After the repair to the connection, the original tubing and inverted flare nut are used for connection.**

PART NUMBER	TUBING SIZE	QTY
508875	5/16 (Inverted flare, male & female ends.)	3
508876	3/8 (Inverted flare, male & female ends.)	3



BRASS FITTINGS

HOSE FITTINGS

MALE PIPE END



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	PIPE THREAD	QTY
508288	05703B-102	3/16	1/8	5
508289	05704B-102	1/4	1/8	5
508290	05704B-104	1/4	1/4	5
508291	05705B-102	5/16	1/8	5
508292	05705B-104	5/16	1/4	5
508967	05706B-102	3/8	1/8	5
508293	05706B-104	3/8	1/4	5
508294	05706B-106	3/8	3/8	5

MALE PIPE 90° ELBOW



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	PIPE THREAD	QTY
508295	05704B-C02	1/4	1/8	5
508296	05705B-C02	5/16	1/8	5
508297	05705B-C04	5/16	1/4	3
508968	05706B-C02	3/8	1/8	5
508298	05706B-C04	3/8	1/4	3
508905	05710B-C06	5/8	3/8	1

HOSE SPLICER



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	PIPE THREAD	QTY
508575	--	3/16	--	5
508250	--	1/4	--	5
508251	--	5/16	--	5
508252	--	3/8	--	5
508576	--	1/2	--	5
508577	--	5/8	--	2
508578	--	3/4	--	2

HOSE - MALE ADAPTER



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	PIPE THREAD	QTY
508580	--	3/16	1/8	5
508581	--	3/16	1/4	5
508253	--	1/4	1/8	5
508254	--	1/4	1/4	5
508255	--	1/4	3/8	5
508256	--	5/16	1/8	5
508257	--	5/16	1/4	5
508582	--	5/16	3/8	5
508258	--	3/8	1/8	5
508259	--	3/8	1/4	5
508260	--	3/8	3/8	5
508583	--	3/8	1/2	5
508584	--	1/2	1/4	5
508585	--	1/2	3/8	5
508586	--	1/2	1/2	5
508587	--	5/8	3/8	5
508588	--	5/8	1/2	5
508589	--	5/8	3/4	5
508590	--	3/4	1/2	5
508591	--	3/4	3/4	5

REUSABLE SPLICER



PART NUMBER	HOSE I.D.	HOSE O.D.	PIPE THREAD	QTY
508735	1/4	1/2	--	2
508736	1/4	9/16	--	2
508737	3/8	11/16	--	2

REUSABLE MALE RIGID FITTING



PART NUMBER	HOSE I.D.	HOSE O.D.	PIPE THREAD	QTY
508738	1/4	1/2	1/4	2
508739	1/4	9/16	1/4	2
508740	3/8	11/16	1/4	2

INVERTED MALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	TUBE SIZE	QTY
508969	05705B-1598	5/16	1/4	5
508269	05705B-1560	5/16	5/16	5
508970	05705B-1561	5/16	3/8	5
508971	05706B-1568	3/8	5/16	5
508972	05706B-1570	3/8	3/8	5

INVERTED MALE ELBOW SWIVEL



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	TUBE SIZE	QTY
508973	05704B-B64	1/4	1/4	3
508974	05704B-B65	1/4	5/16	3
508975	05705B-B65	5/16	5/16	3
508976	05706B-B65	3/8	5/16	3
508977	05706B-B66	3/8	3/8	3

SAE 45° FLARE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	TUBE SIZE	QTY
508978	05706B-305	3/8	5/16	5

MALE STRAIGHT THREAD CONNECTOR



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	THREAD SIZE	QTY
508979	05706B-1412	3/8	9/16-24	5
508980	05706B-1413	3/8	7/8-20	5
508981	05706B-1569	3/8	5/8-20	3

HOSE FITTING ASSORTMENTS

Low pressure air, fuel and oil applications for automotive, light trucks and small engines.



MALE PIPE HOSE ENDS
Part No. 508004
22 pieces • 11 items
12038 plastic tray

508288	508291	508294	508297
508289	508292	508295	508298
508290	508293	508296	

Numbers in assortment

- Made from CA360 brass.
- Easy assembly - just push fitting into hose and clamp.



MASTER HOSE FITTINGS
Part No. 501341
60 pieces • 30 items
12062 steel tray

508250	508290	508296	508970	508976
508251	508291	508297	508971	508977
508252	508292	508298	508972	508978
508269	508293	508967	508973	508979
508288	508294	508968	508974	508980
508289	508295	508969	508975	508981

Numbers in assortment

BRASS FITTINGS

BARB-TITE CLAMPLESS HOSE FITTINGS

Used on low pressure shop or service air lines, lube and oil lines, water and fuel.

- Made from CA360 brass.
- Easy to use, no hose clamp or ferrules needed.
- Use with push on hose only.
- Ideal for use in the field.

E-Z INSTALLATION



HOSE MENDER / COUPLER



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	QTY
508850	10004B-Y04	1/4	5
508851	10005B-Y05	5/16	5
508852	10006B-Y06	3/8	5

SAE 45° FLARE FEMALE SWIVEL



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	TUBE SIZE	THREAD SIZE	QTY
508855	10004B-404	1/4	1/4	7/16-20	5
508856	10005B-405	5/16	5/16	1/2-20	5
508857	10006B-406	3/8	3/8	5/8-18	5

SAE 45° FLARE MALE RIGID



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	TUBE SIZE	THREAD SIZE	QTY
508860	10004B-304	1/4	1/4	7/16-20	5
508861	10005B-305	5/16	5/16	1/2-20	5
508862	10006B-306	3/8	3/8	5/8-18	5

MALE PIPE RIGID 90° ELBOW



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	TUBE SIZE	THREAD SIZE	QTY
508880	--	1/4	1/4	1/4-18	5
508881	--	3/8	1/4	1/4-18	5
508882	--	3/8	3/8	3/8-18	5

MALE PIPE RIGID



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	TUBE SIZE	THREAD SIZE	QTY
508870	10004B-104	1/4	1/4	1/4-18	5
508871	10005B-104	5/16	1/4	1/4-18	5
508872	10006B-104	3/8	1/4	1/4-18	5
508873	10006B-106	3/8	3/8	3/8-18	5

INVERTED MALE SWIVEL



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	TUBE SIZE	THREAD SIZE	QTY
508865	10004B-B04	1/4	1/4	7/16-24	5
508866	10005B-B05	5/16	5/16	1/2-20	5
508867	10006B-B06	3/8	3/8	5/8-18	5

BARB-TITE CLAMPLESS HOSE FITTING ASSORTMENT



Part No. 501656
80 pieces • 16 items
12050 steel tray

508850	508857	508867	508873
508851	508862	508870	508880
508852	508865	508871	508881
508855	508866	508872	508882

Numbers in assortment

BARB-TITE CLAMPLESS & FUEL HOSE FITTING ASSORTMENT





Part No. 501657
305 pieces • 30 items
(2) 12050 steel trays

508269	508293	508852	508867	508880	508970
508289	508294	508855	508870	508881	508971
508290	508298	508857	508871	508882	508972
508291	508850	508862	508872	508967	508975
508292	508851	508866	508873	508969	508976

Numbers in assortment

BRASS FITTINGS & HOSE

SPECIAL ADAPTERS

JIC FLARE TO O'RING PORT FOR AIR CONDITIONING AND POWER STEERING

Steel



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	THREAD A	THREAD B	QTY
508984	41157x4	1/4	7/16-20	7/16-24	1
508985	41157x6	3/8	9/16-18	5/8-18	1
508986	41157x8	1/2	3/4-16	3/4-16	1
508987	41157x10	5/8	7/8-14	7/8-14	1
508988	41157x12	3/4	1-1/16-12	1-1/16-16	1

JIC FLARE TO O'RING PORT FOR AIR CONDITIONING AND POWER STEERING

Brass



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	THREAD A	THREAD B	QTY
508982	1440	1/4	7/16-20	9/16-18	2
508983	1439	3/8	9/16-18	5/8-18	2

TRANSMISSION OIL COOLANT LINE ADAPTER



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	INVERTED NUT	TUBE LENGTH	QTY
508989	1428	5/16	5/16	4-1/2	5
508990	1429	3/8	3/8	4-1/2	5

SAE 45° FLARE TO INVERTED FLARE ADAPTER



PART NUMBER	INDUSTRY NUMBER	SAE TUBE SIZE	INVERTED TUBE SIZE	QTY
508995	1518	1/4	3/16	5
508996	1522	1/4	1/4	5
508997	1553	3/8	5/16	5
508998	1563	3/8	3/8	5
508999	1554	3/8	7/16	3

LATE MODEL FORD POWER STEERING FITTING



PART NUMBER	INDUSTRY NUMBER	INVERTED FEMALE	FEM. O-RING PORT	QTY
508906	1444	3/8	7/16 11/16-18	3

CARBURETOR TO FUEL LINE ADAPTER

Plymouth



PART NUMBER	INDUSTRY NUMBER	INVERTED TUBE SIZE	PIPE THREAD	QTY
508993	1514	1/2-20	1/8	3

AC TYPE ADAPTER



PART NUMBER	INDUSTRY NUMBER	TUBE I.D.	SAE TUBE SIZE	QTY
508994	1521	1/4	1/4	5
		Threaded Sleeve		

RESTRICTION PIPE ADAPTER



PART NUMBER	INDUSTRY NUMBER	PIPE SIZE	ORIFICE	QTY
508992	1512	1/8	.0625	5

WATER LINE ELBOW



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	PIPE THREAD	QTY
508905	05710B-C06	5/8	3/8	1

PUSH-ON HOSE

Used with barbed type and clampless hose fittings for general purpose low pressure air, fuel, oil and water lines.

- **Nitrile inter tube.**
- **One fiber braid reinforcement.**
- **Working pressure 350 PSI.**
- **Temperature range -40°F to +212°F (-40°C to +100°C).**
- **10 ft. per roll.**
- **Minimum burst pressure 1400 PSI.**

RUBBER COVER HOSE

Neoprene cover, MSHA accepted.



PART NUMBER	HOSE I.D.	HOSE O.D.	QTY
10925	1/4	1/2	10
10926	5/16	9/16	10
10927	3/8	5/8	10

FABRIC COVER HOSE

Fiber braid cover can be used for diesel fuel.



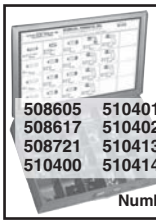
PART NUMBER	HOSE I.D.	HOSE O.D.	QTY
10945	1/4	1/2	10
10946	5/16	9/16	10
10947	3/8	5/8	10

FASTUBE INSTANT AIR BRAKE FITTINGS

FASTUBE INSTANT AIR BRAKE FITTINGS

- Working pressure to 250PSI.
- Applicable standard FMVSS-106.
- Working temperature -20F to +200F.
- Brass body with Buna-N O-Rings.
- Pre-applied Teflon-pipe sealant on all male pipe threads.
- DOT marked and approved (see below).
- Quick connect, simply push tubing in, no tools, or loose parts to handle in tight places.
- Full flow design provides up to 60% more flow area than conventional fittings with internal tube supports.
- Brass construction elbows and tees are forged brass.
- Swivel elbows and tees for ease of orientation.
- Saves time - installs up to 80% faster than conventional fittings.

DOT Approved



Part No. 501556*
38 pieces • 19 items
12017 steel tray

508605	510401	510417	510422	510434
508617	510402	510418	510429	510436
508721	510413	510420	510430	510437
510400	510414	510421	510433	

Numbers in assortment

***Complete Assortment Refills** for Top "20" Assortment are available and are shipped in a corrugated tray (just add RF to Part No.)

Applications

1. Air horns
2. Air operated mirrors
3. Wiper motors
4. Shutter stats
5. Air operated clutch fan
6. Fifth wheel
7. Operating gauges
8. Air operated seats
9. Air toggle switches
10. Heaters
11. Window opening and closing cylinders
12. Door locks
13. Cab tilt cylinders
14. Main frame air lines
15. Gear shift
16. Transmission
17. Suspension Systems

Our DOT Fittings are designed for use in applications described in bold type in the excerpt below from the National highway Traffic Safety Administration, Department Of Transportation FMVSS-106.
S7.3.10 Tensile Strength: An air brake hose assembly (other than a coiled nylon tube assembly which meets the requirements of S393.45 of this title) designed for use between frame and axle or between a towed and towing vehicle shall withstand, without separation of the hose from it's end fittings, a pull of 250 pounds if it is 1/4 inch or less in nominal internal diameter, or pull of 325 pounds if it is larger than 1/4 inch nominal internal diameter.
An air brake assembly designed for use with any other application shall withstand without separation of the hose from it's end fitting, a pull of 50 pounds if it is 1/4 inch or less in internal diameter, 150 pounds if it is 3/8 or 1/2 inch in nominal internal diameter, or 325pounds if it is larger than 1/2 inch in nominal internal diameter. (S8.9) (39F.R. 28436-Aug. 7,1974. Effective 3/1/75).

UNION



PART NUMBER	INDUSTRY NUMBER	TUBE
510466	1862x2.5	5/32
510467	1862x3	3/16
510400	1862x4	1/4
510401	1862X6	3/8
510402	1862X8	1/2

UNION TEE



PART NUMBER	INDUSTRY NUMBER	TUBE
510403	1864x4	1/4
510404	1864x6	3/8
510405	1864x8	1/2

UNION ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE
510406	1865x4	1/4
510407	1865x6	3/8
510408	1864x8	1/2

FEMALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510409	1866x4	1/4	1/8
510410	1866x4x4	1/4	1/4
510468	1866x6x2	3/8	1/8
510411	1866x6	3/8	1/4
510412	1866x6x6	3/8	3/8
510469	1866x8x4	1/2	1/4
510470	1866x8	1/2	3/8
510471	1866x8x8	1/2	1/2

MALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510472	1868x2.5x1	5/32	1/16
510473	1868x2.5	5/32	1/8
510474	1868x3	3/16	1/8
510413	1868x4	1/4	1/8
510414	1868x4x4	1/4	1/4
510415	1868x4x6	1/4	3/8
510416	1868x6x2	3/8	1/8
510417	1868x6	3/8	1/4
510418	1868x6x6	3/8	3/8
510419	1868x6x8	3/8	1/2
510420	1868x8x4	1/2	1/4
510421	1868x8	1/2	3/8
510422	1868x8x8	1/2	1/2

MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510476	1869x2.5x1	5/32	1/16
510477	1869x2.5	5/32	1/8
510478	1869x3	3/16	1/8
510479	1869x4	1/4	1/8
510423	1869x4x4	1/4	1/4
510424	1869x4x6	1/4	3/8
510480	1869x6x2	3/8	1/8
510425	1869x6	3/8	1/4
510426	1869x6x6	3/8	3/8
510481	1869x6x8	3/8	1/2
510482	1869x8x4	1/2	1/4
510427	1869x8	1/2	3/8
510428	1869x8x8	1/2	1/2

SWIVEL MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510429	1869x4S	1/4	1/8
510430	1869x4x4S	1/4	1/4
510431	1869x4x6S	1/4	3/8
510432	1869x6x2S	3/8	1/8
510433	1869x6S	3/8	1/4
510434	1869x6x6S	3/8	3/8
510435	1869x6x8S	3/8	1/2
510475	1869x8x4S	1/2	1/4
510436	1869x8S	1/2	3/8
510437	1869x8x8S	1/2	1/2

FASTUBE INSTANT AIR BRAKE / BRASS FITTINGS

FASTUBE INSTANT AIR BRAKE FITTINGS

FEMALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510438	1870x4	1/4	1/8
510439	1870x4x4	1/4	1/4
510488	1870x6x2	3/8	1/8
510440	1870x6	3/8	1/4
510441	1870x6x6	3/8	3/8
510489	1870x8x4	1/2	1/4
510490	1870x8	1/2	3/8
510491	1870x8x8	1/2	1/2

SWIVEL MALE BRANCH TEE



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510447	1872x4S	1/4	1/8
510448	1872x4x4S	1/4	1/4
510494	1872x6x2S	3/8	1/8
510449	1872x6S	3/8	1/4
510450	1872x6x6S	3/8	3/8
510498	1872x8x4S	1/2	1/4
510451	1872x8S	1/2	3/8
510495	1872x8x8S	1/2	1/2

SWIVEL 45° MALE ELBOW



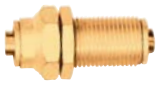
PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510458	1880x4S	1/4	1/8
510459	1880x4x4S	1/4	1/4
510483	1880x6x2S	3/8	1/8
510460	1880x6S	3/8	1/4
510484	1880x6x6S	3/8	3/8
510485	1880x8x4S	1/2	1/4
510486	1880x8S	1/2	3/8
510487	1880x8x8S	1/2	1/2

SWIVEL MALE RUN TEE



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510442	1871x4S	1/4	1/8
510443	1871x4x4S	1/4	1/4
510444	1871x6S	3/8	1/4
510445	1871x6x6S	3/8	3/8
510492	1871x8x4S	1/2	1/4
510446	1871x8S	1/2	3/8
510493	1871x8x8S	1/2	1/2

MALE BULKHEAD UNION



PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510452	1874x4x4	1/4	1/2
510453	1874x6x2	3/8	5/8
510454	1874x8x8	1/2	3/4

FEMALE BULKHEAD UNION

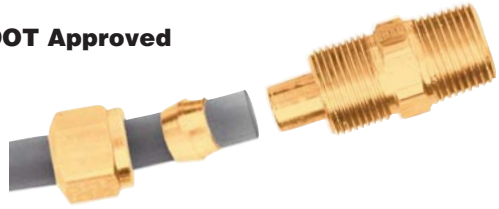


PART NUMBER	INDUSTRY NUMBER	TUBE	THREAD
510461	N/A	1/4	1/8
510462	1873x4x4	1/4	1/4
510463	N/A	3/8	1/4
510496	1873x6x6	3/8	3/8
510497	N/A	1/2	3/8

AIR BRAKE FITTINGS FOR NYLON TUBING

Advantages:
Tubing needs no flaring or bending. No Special tools.
Pressure: To 150 PSI
Used with: SAE J844 Nylon tubing Type 3A & 3B. Inserts required with Type 3B.
Assembly Notes:
1. Be sure tubing is cut square.
2. Be certain battery acid won't drip on tubing.
Identifying characteristics:
DOT or AB designation stamped on nut. Short nut for use on nylon tubing only.

DOT Approved



SLEEVE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508426	1460x4	1/4	25
508427	1460x6	3/8	25
508428	1460x8	1/2	10
508429	1460x10	5/8	10
508430	1460x12	3/4	10

NUT



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508436	1461x4	1/4	10
508437	1461x6	3/8	10
508438	1461x8	1/2	10
508439	1461x10	5/8	10
508440	1461x12	3/4	10

INSERT

Brass



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508431	1484x4	1/4	25
508432	1484x6	3/8	25
508433	1484x8	1/2	25
508434	1484x10	5/8	10
508435	1484x12	3/4	10

BRASS FITTINGS

AIR BRAKE FITTINGS FOR NYLON TUBING

UNION



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508441	1462x4	1/4	5
508442	1462x6	3/8	5
508443	1462x8	1/2	2
508444	1462x10	5/8	2
508445	1462x12	3/4	2

MALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	MALE PIPE THREAD	QTY
509160	1468x4x1	1/4	1/16	1
508446	1468x4	1/4	1/8	5
508447	1468x4x4	1/4	1/4	5
508448	1468x4x6	1/4	3/8	5
508449	1468x6x2	3/8	1/8	5
508450	1468x6	3/8	1/4	5
508451	1468x6x6	3/8	3/8	5
508452	1468x6x8	3/8	1/2	5
508453	1468x8x4	1/2	1/4	2
508454	1468x8	1/2	3/8	2
508455	1468x8x8	1/2	1/2	2
509161	1468x8x12	1/2	3/4	1
508456	1468x10x6	5/8	3/8	2
508457	1468x10	5/8	1/2	2
509169	1468x12	3/4	1/2	1
508458	1468x12x12	3/4	3/4	2

90° MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	MALE PIPE THREAD	QTY
508459	1469x4	1/4	1/8	5
508460	1469x4x4	1/4	1/4	5
508461	1469x4x6	1/4	3/8	5
509162	1469x6x2	3/8	1/8	1
508462	1469x6	3/8	1/4	5
508463	1469x6x6	3/8	3/8	5
508464	1469x6x8	3/8	1/2	5
508465	1469x8x4	1/2	1/4	2
508466	1469x8	1/2	3/8	2
508467	1469x8x8	1/2	1/2	2
508468	1469x10x6	5/8	3/8	2
508469	1469x10	5/8	1/2	2
508470	1469x12	3/4	1/2	2



Part No. 508006
76 pieces • 22 items
12017 steel tray

508426	508433	508442	508450	508463
508427	508436	508443	508455	508466
508428	508437	508446	508459	
508431	508438	508447	508460	
508432	508441	508449	508462	

Numbers in assortment

FEMALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	FEMALE PIPE THREAD	QTY
508471	1466x4	1/4	1/8	5
508472	1466x4x4	1/4	1/4	5
508473	1466x6x2	3/8	1/8	5
508474	1466x6	3/8	1/4	5
508475	1466x6x6	3/8	3/8	5
508476	1466x8	1/2	3/8	2
508477	1466x8x8	1/2	1/2	2
508478	1466x10x6	5/8	3/8	2
508479	1466x10	5/8	1/2	2
508480	1466x12	3/4	1/2	2

45° MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	MALE PIPE THREAD	QTY
508481	1480x4	1/4	1/8	5
508482	1480x4x4	1/4	1/4	5
508483	1480x6x2	3/8	1/8	5
508484	1480x6	3/8	1/4	5
508485	1480x6x6	3/8	3/8	5
508486	1480x6x8	3/8	1/2	2
508487	1480x8	1/2	3/8	2
509170	1480x8x4	1/2	1/4	1
509168	1480x8x8	1/2	1/2	1
508488	1480x10	5/8	1/2	2

90° FEMALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	FEMALE PIPE THREAD	QTY
508489	1470x4	1/4	1/8	5
508490	1470x4x4	1/4	1/4	5
508491	1470x6x2	3/8	1/8	5
508492	1470x6	3/8	1/4	5
508493	1470x6x6	3/8	3/8	5
508494	1470x8	1/2	3/8	2
508495	1470x8x8	1/2	1/2	2
508496	1470x10	5/8	1/2	2

BULKHEAD UNION



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508497	1474x4	1/4	2
508498	1474x6	3/8	2
508499	1474x8	1/2	2

UNION ELBOW



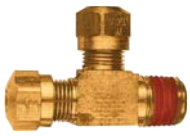
PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508501	1465x4	1/4	5
508502	1465x6	3/8	5
508503	1465x8	1/2	2
508504	1465x10	5/8	2
508505	1465x12	3/4	2

UNION TEE



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508506	1464x4	1/4	2
509166	1464x6x6x4	3/8x3/8x1/4	1
508507	1464x6	3/8	2
508508	1464x8	1/2	2
509167	1464x8x8x6	1/2x1/2x3/8	1
508509	1464x10	5/8	2

MALE RUN TEE



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	MALE PIPE THREAD	QTY
508510	1471x4	1/4	1/8	2
508511	1471x4x4	1/4	1/4	2
508512	1471x6	3/8	1/4	2
508513	1471x6x6x6	3/8	3/8	2
508514	1471x8	1/2	3/8	2
508515	1471x8x8	1/2	1/2	2
508516	1471x10	5/8	1/2	2

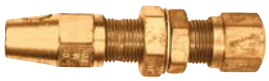
MALE BRANCH TEE



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	MALE PIPE THREAD	QTY
509163	1472x4	1/4	1/8	1
508517	1472x6x6x2	3/8	1/8	2
508518	1472x6	3/8	1/4	2
508519	1472x6x6x6	3/8	3/8	2
509165	1472x8x8x4	1/2	1/4	1
508520	1472x8	1/2	3/8	2
508521	1472x8x8	1/2	1/2	2
508522	1472x10x10x8	5/8	1/2	2

BULKHEAD UNION

Copper to J844 hose



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508523	--	1/4	2
508524	--	3/8	2
508525	--	1/2	2

INSERT

Stainless Steel



PART NUMBER	INDUSTRY NUMBER	TUBE SIZE	QTY
508570	--	1/4	25
508571	--	3/8	5
508572	--	1/2	5
508573	--	5/8	10
508574	--	3/4	10

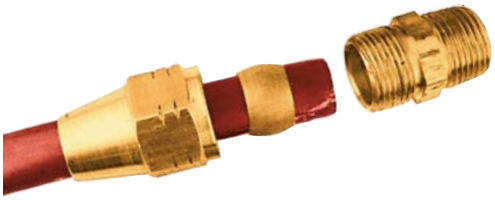
B13

BRASS FITTINGS

AIR BRAKE FITTINGS FOR COPPER TUBING

Advantages:
Tubing needs no flaring or bending. No special tools.
Pressure: To 150 PSI
Used with: Copper tubing.
Assembly Notes:
1. Tighten additional turns from hand tight as follows:
   1/4, 3/8 tubing - 1-3/4 turns
   1/2, 5/8, 3/4 tubing - 3-1/4 turns

Identifying characteristics:
AB designation stamped on nut. Long nut is used on copper air brake tubing.



SLEEVE



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	QTY
508301	1360x6	3/8	25
508302	1360x8	1/2	10
508403	1360x10	5/8	10
508404	1360x12	3/4	10

NUT



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	QTY
508303	1361x6	3/8	5
508304	1361x8	1/2	5
508405	1361x10	5/8	2
508406	1361x12	3/4	2

UNION



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	QTY
508305	1362x6	3/8	5
508306	1362x8	1/2	5
508407	1362x10	5/8	2
508408	1362x12	3/4	2

MALE CONNECTOR



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	MALE PIPE THREAD	QTY
508309	1368x6x2	3/8	1/8	5
508310	1368x6	3/8	1/4	5
508311	1368x6x6	3/8	3/8	5
508411	1368x6x8	3/8	1/2	5
508312	1368x8x4	1/2	1/4	5
508313	1368x8	1/2	3/8	5
508314	1368x8x8	1/2	1/2	5
508412	1368x10x6	5/8	3/8	2
508413	1368x10	5/8	1/2	2
508414	1368x12	3/4	1/2	2
508415	1368x12x12	3/4	3/4	2

90° FEMALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	FEMALE PIPE THREAD	QTY
508315	1370x6	3/8	1/4	5
508316	1370x6x6	3/8	3/8	5

45° MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	MALE PIPE THREAD	QTY
508419	1380x6	3/8	1/4	5
508420	1380x6x6	3/8	3/8	5
508421	1380x8	1/2	3/8	2
508422	1380x10	5/8	1/2	2

90° MALE ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	MALE PIPE THREAD	QTY
508317	1369x6x2	3/8	1/8	5
508318	1369x6	3/8	1/4	5
508319	1369x6x6	3/8	3/8	5
508416	1369x6x8	3/8	1/2	5
508320	1369x8x4	1/2	1/4	5
508321	1369x8	1/2	3/8	5
508322	1369x8x8	1/2	1/2	5
508417	1369x10	5/8	1/2	2
508418	--	3/4	1/2	2

MALE RUN TEE



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	MALE PIPE THREAD	QTY
508324	--	3/8	1/8	2
508325	1371x6	3/8	1/4	2
508326	1371x8	1/2	3/8	2
508425	--	5/8	1/2	2

MALE BRANCH TEE



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	MALE PIPE THREAD	QTY
508323	1372x6	3/8	1/4	2
508423	1372x8	1/2	3/8	2
508424	1372x10x8x8	5/8	1/2	2

UNION ELBOW



PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	QTY
508308	1365x6	3/8	5
508410	1365x8	1/2	2

UNION TEE

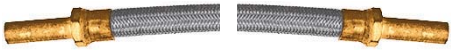
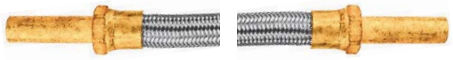


PART NUMBER	INDUSTRY NUMBER	TUBE O.D.	QTY
508307	1364x6	3/8	2
508409	1364x8	1/2	2

WEATHERHEAD HOSE ASS. / AIR BRAKE FITTINGS

AIR COMPRESSOR DISCHARGE HOSE - TEFLON

- Ready-made TEFLON® replacements for troublesome copper tubing running from compressor to reservoir.
- Eliminate failures caused by vibration and heat.
- Easy to install with standard brake nuts and sleeves.
- No special fittings or adapters needed.

ILLUSTRATION	PART NUMBER	INDUSTRY NUMBER	LENGTH
1/2" hose ID - 1/2" tube size	**418335**	WTY824	24"
	**418336**	WTY830	30"
	418337	WTY836	36"
	418338	WTY848	48"
5/8" hose ID - 5/8" tube size	**418339**	WTY024	24"
	**418340**	WTY030	30"
	418341	WTY036	36"
	418342	WTY048	48"
5/8" hose ID - 3/4" tube size	**418343**	WTY224	24"
	**418344**	WTY230	30"
	418345	WTY236	36"
	418346	WTY248	48"
1/2" hose ID - 1/2" tube size	**418347**	WTT824	24"
	**418348**	WTT836	36"
5/8" hose ID - 5/8" tube size	**418349**	WTT024	24"
	**418350**	WTT036	36"
5/8" hose ID - 3/4" tube size	**418351**	WTT224	24"
	**418352**	WTT236	36"

AIR BRAKE CHAMBER HOSE LINE

- Low cost.
- Ready to install.
- Available in 9 different lengths.



3/8" ID HOSE ASSEMBLY**

PART NUMBER	INDUSTRY NUMBER	LENGTH
418354	38166-01812	18-1/8"
418355	38166-02137	20-3/8"
418356	38166-02412	24-1/8"
418357	38166-02837	28-3/8"
418358	38166-03012	30-1/8"
418359	38166-03200	32"
418360	38166-03437	34-3/8"
418361	38166-03612	36-1/8"
418362	38166-04112	41-1/8"

1/4" Male Pipe Fitting
3/8" ABS (Air Brake Swivel)

* **Includes 3/8" ABS to 1/4" male pipe adapter.**

1/2" ID HOSE ASSEMBLY**

PART NUMBER	INDUSTRY NUMBER	LENGTH
418363	38353-01800	18-1/8"
418364	38353-02037	20-3/8"
418365	38353-02400	24-1/8"
418366	38353-02837	28-3/8"
418367	38353-03000	30-1/8"
418368	38353-03200	32"
418369	38353-03437	34-3/8"
418370	38353-03600	36-1/8"
418371	38353-04112	41-1/8"

3/8" Male Pipe Fitting
3/8" ABS (Air Brake Swivel)

** **Includes 3/8" ABS to 3/8" male pipe adapter.**

DISCHARGE HOSE FOR GM BUSES

- Replaces GM No. 2267157. 3/4" male pipe to flange.



PART NUMBER	INDUSTRY NUMBER	LENGTH
418353	W67157	27-5/8"

FIELD INSTALLATION KIT - FOR 3/8" ID AIR BRAKE HOSE

Repairs break in hose near the valve or brake chamber. Replace and repair while on the road.

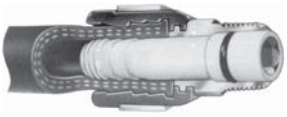
- Swivel ends reduce residual torque in hose for longer life, no need to disconnect both ends to service brake system.
- Installs easily in minutes with just a 5/16 hex key (key not included see page D11-6).
- OE on 70% of trailer & tractor production.
- Meets DOT 106 and J1402 requirements.
- Used on 3/8" ID air brake hose with a min. 3/4" OD type A, AI and AIII.
- All parts are non-corroding.
- Fittings and retaining rings are brass. Hose barb and 2-piece shell are nylon.
- Used by: Walbash, Freuehauf, Stoughton, Pines, Great Dane, Kenworth, Merit, Lufkin, Strick, Freightliner, Budd, and Brenner Tanks, etc.
- Fittings are non-reusable 3/8" or 1/2" NPTF swivel ends.

Part No. 508500 2
With 3/8" NPTF Ends

Part No. 508600 2
With 1/2" NPTF Ends



Cutaway view of finished assembly.



E-Z INSTALLATION



Step 1. Disassemble kit.



Step 2. Position hose end on SHELL (A) flush with groove (see arrows).





Step 4. With assembly in hand, squeeze forward ends of shells and push and twist RETAINING RING (D) over shells to its final position as shown by arrows.



Step 3. Insert FITTING (B) into groove and position shell (C) opposite SHELL (A).



Step 5. Insert BARB (E) into fitting. (Threaded end of barb should be greased.) Push and turn to start threads. Using a 5/16" hexagon key continue to push and turn until the barb is flush inside the fitting. **NOTE:** Check final assembly visually to insure that hose has not shifted position during assembly.

AIR BRAKE HOSE & FITTINGS / VALVES

REUSABLE AIR BRAKE HOSE FITTINGS - SLEEVE TYPE



ASSEMBLY INSTRUCTIONS

- Slide nut and sleeve onto hose, with bevel edge of sleeve facing insert fitting.
- Push hose into fitting until it bottoms.
- Tightens nut down completely.

ILLUSTRATION	PART NUMBER	INDUSTRY NUMBER	HOSE O.D.	HOSE I.D.	PIPE SIZE	QTY
Insert (Body Only) 	**508526**	1391x6x6	3/4	3/8	3/8	2
	508527	1391x6x8	3/4	3/8	1/2	2
	508741	1391x8	7/8	1/2	3/8	2
	508742	1391x8x8	7/8	1/2	1/2	2
Nut 	**508528**	33806-B	3/4	3/8	--	2
	508743	33808-B	7/8	1/2	--	2
Sleeve 	**508346**	33806-A	3/4	3/8	--	2
	508744	33808-A	7/8	1/2	--	2
Spring Guard 	**508347**	33806-C	3/4	3/8	--	2
	508348	33808-C	7/8	1/2	--	2
Male Connector 	**508340**	33806B-Y24	3/4	3/8	1/4	2
	508341	33806B-Y26	3/4	3/8	3/8	2
	508342	33806B-Y28	3/4	3/8	1/2	2
	508745	33808B-Y26	7/8	1/2	3/8	2
	508746	33808B-Y28	7/8	1/2	1/2	2
Male Connector w/Spring Guard 	**508343**	33806B-Y34	3/4	3/8	1/4	2
	508344	33806B-Y36	3/4	3/8	3/8	2
	508345	33806B-Y38	3/4	3/8	1/2	2
	508747	33808B-Y36	7/8	1/2	3/8	2
	508748	33808B-Y38	7/8	1/2	1/2	2
Hose Mender 	**508529**	33806B-Y06	3/4	3/8	--	2
	508749	33808B-Y08	7/8	1/2	--	2

TYPE B AIR BRAKE HOSE

- For tractor to trailer air brake connections and air brake chambers.
- More flexible than rigid air brake tubing.
- Complies with SAE J-1402A and DOT FMVSS 106 specs. Pa. DOT approved.
- Specially formulated for all weather conditions.
- For use with the fittings shown above.
- Synthetic inner tube & cover multi fiber spiral reinforced.



PART NUMBER	INDUSTRY NUMBER	HOSE I.D.	HOSE O.D.	MAX. WORKING PRESSURE PSI	MAX. BURST PRESSURE PSI	MIN. BEND RADIUS	QTY
418148	H33806	3/8	3/4	225	900	3-1/2	50
418149	H33808	1/2	7/8	225	900	4	50

MANUAL FUEL TANK SELECTOR VALVES

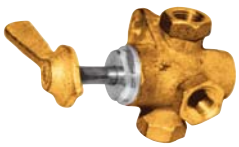
- Quick, easy switch-over to auxiliary tanks.
- "Click mechanism" allows proper port selection without looking at the valve.
- Solid brass construction.



PART NUMBER	PIPE SIZE	VALVE STEM LENGTH	PORT
508350	1/4	7/8	4-way



PART NUMBER	PIPE SIZE	VALVE STEM LENGTH	PORT
508351	1/4	3-1/8	4-way



PART NUMBER	PIPE SIZE	VALVE STEM LENGTH	PORT
508352	1/4	7/8	3-way

VALVES / FLEXIBLE TUBING and INSERTS

ELECTRIC 3-WAY FUEL TANK SELECTOR VALVE



- For auxiliary tank installations.
- NOT for systems with fuel return line between fuel pump and factory tank.
- Low amperage draw.
- Meets OEM specifications.

PART NUMBER	PORT I.D.	VOLTS	
508353	1/4	12DC	Plated Steel

GENERAL USE VALVES

ILLUSTRATION	PART NUMBER	PIPE SIZE	PRESSURE	APPLICATION
Bronze Gate Valves	508354	3/8	200 PSI	water, oil, gas
	508355	1/2	water	and steam
	508362	3/4		
	508363	1	125 PSI steam	
Brass Shut-off Valves	508360	1/8	15 PSI	automotive &
	508361	1/4	15 PSI	industrial
	508349	3/8	15 PSI	NOT FOR LPG, Natural gas, aircraft

MALE PIPE - BOTH ENDS

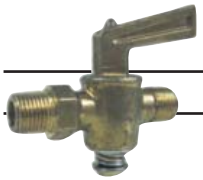


ILLUSTRATION	PART NUMBER	PIPE SIZE
	508592	1/8
	508593	1/4
	508594	3/8

FEMALE PIPE - BOTH ENDS

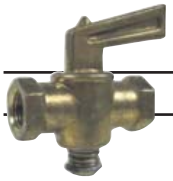
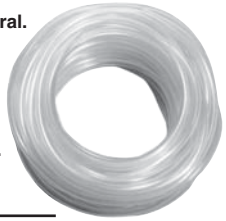


ILLUSTRATION	PART NUMBER	PIPE SIZE
	508595	1/8
	508596	1/4
	508597	3/8

VINYL TUBING

- Clear soft pliable tubing for low pressure applications: industrial, laboratory, agricultural. Smooth bore prevents internal build-up.
- Resistant to alcohol, oil, anti-freeze, mineral acid, alkalies.
- F.D.A. approved. Non-toxic, odorless, tasteless.
- Use standard compression fittings & inserts.
- Used as gas lines on some hand held power tools. Check owner's manual.



PART NUMBER	QTY	TUBE O.D.	TUBE I.D.	WALL THICKNESS	MAX WORK PSI at 70°F
52541	50	1/8	.0625	.0313	35
52539	50	3/16	.1250	.0313	35
52535	50	1/4	.1250	.0625	65
52536	50	5/16	.1875	.0625	55
52537	50	3/8	.2500	.0625	55
52538	50	1/2	.3750	.0625	40
52540	50	5/8	.5000	.0625	35

Temperature Range: -5°F to 105°F.

HEATER HOSE VALVES

- General purpose applications; car, truck, farm equipment, all machinery, hot water, etc.
- OE style handle for many truck and equipment manufacturers.
- Internal components compatible with glycol base anti-freeze solutions.
- Steel with brass stem and seat.

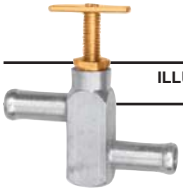


ILLUSTRATION	PART NUMBER	HOSE SIZE
	508273	1/2 x 1/2
	508274	5/8 x 5/8
In-Line	508275	3/4 x 3/4
	508276	1 x 1

WATER VALVES

- Solid brass.
- Cast iron handles.

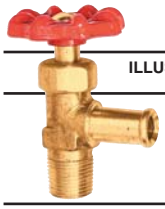


ILLUSTRATION	PART NUMBER	HOSE SIZE	PIPE THREAD
	508280	3/8	3/8
	508281	1/2	3/8
	508282	5/8	3/8
	508283	3/4	3/8
	508284	3/4	1/2

TANK VALVES

- Allows minimum protrusion of valves.
- For tanks, compressors and pneumatic devices.
- Permits inflation, deflation and pressure testing similar to tire valve treatment.
- Standard tire valve core, plus cap.



ILLUSTRATION	PART NUMBER	PIPE THREAD	STEM LENGTH	QTY
	508356	1/8	3/4	2
	508357	1/8	1/2	2
	508358	1/4	1/2	2

BRASS INSERTS FOR FLEXIBLE PLASTIC TUBING

- Use with all types of plastic tubing.
- For standard compression fittings.
- Inserts prevent collapse or damage of tubing.

PART NUMBER	QTY	INDUSTRY NUMBER	TUBE SIZE	INSERT O.D.
508390	50	--	1/8	.090
508391	50	--	3/16	.135
508392	50	2030 x 4	1/4	.165
508393	50	2030 x 5	5/16	.187
508394	50	2030 x 6	3/8	.250
508395	25	2030 x 8	1/2	.375
508396	25	2030 x 10	5/8	.500





Part No. 508007
115 pieces • 6 items
12032 plastic tray

508390 508393
508391 508394
508392 508395

Numbers in assortment

B13

FLEXIBLE TUBING

NYLON TUBING

- Semi-rigid tubing for agriculture, food processing, and laboratories.
- Good resistance to aliphatics, ammonia, ammonium, hydroxide, benzene and other substances.
- Specifically processed for improved performance and reduced costs in conveying air, gases or liquids.
- Use standard compression fittings. Inserts not required, but add strength.
- Lightweight (1/7 weight of copper), easy to handle.
- Vibration, flex and corrosion resistant. Unaffected by oils, hydraulic fluids, alkalies & most solvents.



Temperature Range: -60°F to 180°F.

PART NUMBER	QTY	TUBE O.D.	TUBE I.D.	WALL THICKNESS	MIN BEND RADIUS INCHES	MAX WORK PSI at 70°F
52525	50	1/8	.096	.015	3/4	333
52526	50	3/16	.142	.023	1-1/2	333
52527	50	1/4	.190	.030	2-1/2	333
52528	50	5/16	.242	.036	3	333
52529	50	3/8	.295	.040	3-1/2	333

POLYETHYLENE TUBING

- FDA approved, conforms to ASTM standards.
- Withstands concentrated sodium hydroxide, hydrochloric acid or diluted acids.
- Use standard compression fittings and inserts.
- Improved performance in industrial and agricultural applications.
- Flexible, low density, lightweight and natural color.



Temperature Range: -40°F to 135°F.

PART NUMBER	TUBE O.D.	TUBE I.D.	WALL THICKNESS	MAX WORK PSI at 70°F	MIN BURST PSI at 70°F	QTY
52530	1/4	.170	.040	150	400	50 ft.
52531	5/16	.1875	.0625	130	480	50 ft.
52532	3/8	.250	.0625	125	400	50 ft.
52533	1/2	.3750	.0625	100	300	50 ft.
52534	5/8	.500	.0625	80	240	50 ft.

COPPER TUBING

- Not recommended for air brake systems.



PART NUMBER	TUBE O.D.	WALL THICKNESS	
52500	1/8	.030	25 ft.
52501	3/16	.030	25 ft.
52502	1/4	.030	25 ft.
52503	5/16	.032	25 ft.
52504	3/8	.032	25 ft.
52505	1/2	.032	25 ft.

STEEL TUBING

Ideal for refrigeration oil lines, vacuum lines, hydraulic brake lines, air conditioning, plus other applications.

- Copper fused, double wall, seamless.
- Easy to bend, flare, weld or solder.
- Use Tool No. 113485 for flaring.
- Meets OEM Specifications.



PART NUMBER	TUBE O.D.	QTY
21425	3/16	25 ft.
21426	1/4	25 ft.
21427	5/16	25 ft.
21428	3/8	25 ft.
21429	6mm	25 ft.

METRIC NYLON TUBING

Used with metric push connect fittings.



Typical Application: Flexible nylon tubing. Used for instrumentation; lubrication and air lines; gas, chemical and oil processing; low pressure hydraulics.
Temperature Range: -40°F to +200°F (-40°C to +93°C).
Available Colors: Natural (NA).
Contains: Ultra-voilet stabilizer.

PART NUMBER	TUBE O.D.	TUBE WALL	MAX. WORK PRES. PSI 75°	MIN. BURST PRES. PSI 75°	MIN. BEND RADIUS 75°F	QTY
52543	4mm	.65mm	250	1,000	.75"	50 ft.
52544	6mm	1mm	250	1,000	1.5"	50 ft.
52545	8mm	1mm	250	1,000	2.25"	50 ft.
52546	10mm	1mm	200	800	3"	50 ft.
52547	12mm	1mm	112	450	3.5"	50 ft.

— NOT FOR AIR BRAKE USE —

NYLON AIR SYSTEM TUBING

SAE J844 TYPE 3A - Single wall extruded. For any air system other than brakes; air horns, fuel lines, lubrication lines radiator shutters, etc.



For any Air System except brakes.

SAE J844 TYPE 3B - Extruded nylon inner tube, one layer nylon reinforcement and a nylon cover. For Air Brake systems. Replaces all steel and copper lines except frame to axle and tractor to trailer hose connections.



For Air Brake Systems.

PART NUMBER	TYPE	TUBE O.D.	MIN. BURST PSI	WALL THICKNESS	MIN. BEND RADIUS	QTY
10931	3A	1/8	1000	.023	0.37	100 ft.
10930	3A	5/32	1000	.032	0.50	100 ft.
10932	3A	1/4	1200	.040	1.00	100 ft.
10933	3B*	3/8	1400	.062	1.50	100 ft.
10934	3B*	1/2	950	.062	2.00	100 ft.
10935	3B*	5/8	900	.092	2.50	50 ft.
10936	3B*	3/4	900	.092	3.00	50 ft.

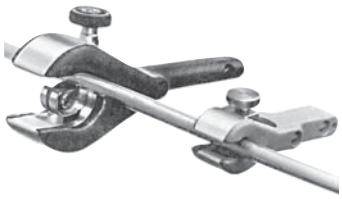
*** Tube fitting insert required.**

TUBING TOOLS

RATCH-CUT TUBE AND PIPE CUTTER

Cuts pipe and tubing in confined, nearly inaccessible locations.

- Ratchet action - quick and easy.
- No need to spin tool around pipe.





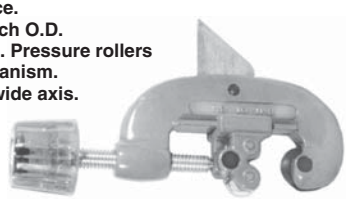
DESCRIPTION	PART NUMBER	TUBE SIZE
Small Cutter	**113846**	1/8 to 3/8
Large Cutter	**113847**	5/16 to 1-1/8
Sm. Rpl. Wheel	**113848**	
Lg. Rpl. Wheel	**113849**	

- Cuts copper, stainless, aluminum, P.V.C., Plastic Pipe and Tubing.
- 2 sizes cover 1/8 through 1-1/8".
- Replacement wheels available.

TUBING CUTTER

- Rugged Aluminum Die Cast. Machined to precision tolerance. Withstands the roughest service.
- Handles tubing from 1/8 to 1 inch O.D.
- Designed for perfect alignment. Pressure rollers operate on a sliding feed mechanism. Cutter wheel is mounted on a wide axis.
- Built in retractable reamer.

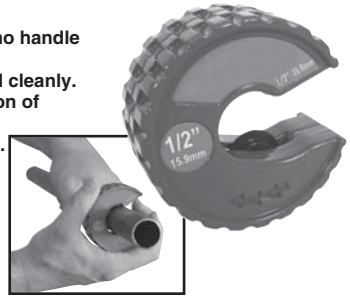
Part No. **11303**



SPRING-LOADED C CUTTERS

The spring-loaded tube cutter self-feeds on M COPPER, L COPPER AND CTS CPVC.

- Spring loading tubing cutters.
- Compact C-shape tool means no handle swing space is required.
- Cuts copper tubing quickly and cleanly.
- Snap on and turn in the direction of arrows etched in the tool.
- Each cutter fits one tubing size.

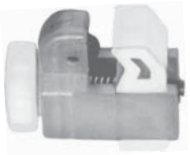


PART NUMBER	PIPE CAPACITY NOMINAL INCHES	ACTUAL MM
11305	1/2	15.9
11306	3/4	22.2
11307	1	28.6

MINI CUTTER

- All nylon construction.
- Especially good in tight and cramped spots.
- For all types of metal tubing.
- Handles tubing sizes from 1/8 to 5/8 inch O.D.

Part No. **11391**



ECONOMY TUBING BENDER

- Bends tubing up to 360° without kinking.
- For thin wall tubing, from 1/8 to 1/2 inch O.D.
- Fast, economical tubing bender for automotive, refrigeration, air conditioning, machine and other professionals.

Part No. **11373**



B13

CAPLUGS

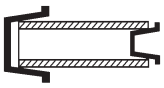
TAPERED POLYETHYLENE CAPS AND PLUGS



Used to cap or plug brass, malleable iron, copper, and hydraulic fittings, electrical connectors, tubing, fasteners, and machined parts. Special design allows same piece to be used as a cap or a plug.

- **Polyethylene (Red) is highly pliable.**
- **Seals out dust and moisture during storage.**
- **Excellent for thread protection.**
- **Universal applications.**
- **Tapered design provides a snug fit, but are readily removable.**

CLOSURES for UNTHREADED STANDARD WEIGHT PIPE



CAPS

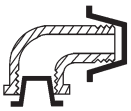
SIZE (INCHES)	CAPLUG NO.	PART NUMBER	QTY
1/8	4	**509115**	100
1/4	6X	**509119**	100
3/8	8X	**509122**	100
1/2	11	**509126**	50
3/4	13X	**509130**	50
1	16	**509134**	50
1-1/4	18X	**509137**	25
1-1/2	210	**509141**	25
2	240	**509146**	25

PLUGS*

SIZE (INCHES)	CAPLUG NO.	PART NUMBER	QTY
1/8	1	**509110**	100
1/4	2X	**509112**	100
3/8	5	**509117**	100
1/2	7	**509120**	100
3/4	10	**509125**	100
1	13	**509129**	50
1-1/4	16	**509134**	50
1-1/2	18	**509136**	50
2	220	**509142**	25

***Recommended Plugs for Schedule 40 Standard Pipe.**

CLOSURES for THREADED EXTERNAL & INTERNAL N.P.T. FITTINGS



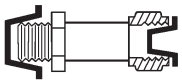
CAPS

SIZE (INCHES)	CAPLUG NO.	PART NUMBER	QTY
1/8	4	**509115**	100
1/4	6	**509118**	100
3/8	8X	**509122**	100
1/2	11	**509126**	50
3/4	13X	**509130**	50
1	15X	**509133**	50
1-1/4	18	**509136**	50
1-1/2	20	**509139**	25
2	240	**509146**	25

PLUGS

SIZE (INCHES)	CAPLUG NO.	PART NUMBER	QTY
1/8	2X	**509112**	100
1/4	4	**509115**	100
3/8	6X	**509119**	100
1/2	9	**509123**	100
3/4	12X	**509128**	50
1	14	**509131**	50
1-1/4	17S	**509135**	50
1-1/2	20S	**509140**	25
2	24S	**509145**	25

CLOSURES for TUBING & HYDRAULIC FITTINGS



CAPS

TUBING O.D.	THREAD	CAPLUG NO.	PART NUMBER	QTY
1/8	5/16-24	2	**509111**	100
3/16	3/8-24	3X	**509114**	100
1/4	7/16-20	4X	**509116**	100
5/16	1/2-20	5	**509117**	100
3/8	9/16-18	6X	**509119**	100
3/8	5/8-18	7	**509120**	100
1/2	3/4-16	9X	**509124**	100
5/8	7/8-14	11X	**509127**	50
3/4	1-1/16-12	13X	**509130**	50
1	1-5/16-12	15X	**509133**	50
1-1/4	1-5/8-12	18	**509136**	50
1-1/2	1-7/8-12	20	**509139**	25
1-3/4	2-1/4-12	230	**509144**	25
2	2-1/2-12	250	**509147**	25

PLUGS

TUBING O.D.	THREAD	CAPLUG NO.	PART NUMBER	QTY
1/8	5/16-24	1	**509110**	100
3/16	3/8-24	2	**509111**	100
1/4	7/16-20	3	**509113**	100
5/16	1/2-20	4	**509115**	100
3/8	9/16-18	5	**509117**	100
3/8	5/8-18	6	**509118**	100
1/2	3/4-16	8	**509121**	100
5/8	7/8-14	10	**509125**	100
3/4	1-1/16-12	12X	**509128**	50
1	1-5/16-12	14X	**509132**	50
1-1/4	1-5/8-12	17S	**509135**	50
1-1/2	1-7/8-12	19	**509138**	25
1-3/4	2-1/4-12	221	**509143**	25
2	2-1/2-12	240	**509146**	25

CAPLUGS NUMERICAL LISTING

CAPLUG NO.	PART NUMBER	QTY
1	**509110**	100
2	**509111**	100
2X	**509112**	100
3	**509113**	100
3X	**509114**	100
4	**509115**	100
4X	**509116**	100
5	**509117**	100
6	**509118**	100
6X	**509119**	100
7	**509120**	100
8	**509121**	100
8X	**509122**	100
9	**509123**	100
9X	**509124**	100
10	**509125**	100
11	**509126**	50
11X	**509127**	50
12X	**509128**	50
13	**509129**	50
13X	**509130**	50
14	**509131**	50
14X	**509132**	50
15X	**509133**	50
16	**509134**	50
17S	**509135**	50
18	**509136**	50
18X	**509137**	25
19	**509138**	25
20	**509139**	25
20S	**509140**	25
210	**509141**	25
220	**509142**	25
221	**509143**	25
230	**509144**	25
24S	**509145**	25
240	**509146**	25
250	**509147**	25



Part No. 501562
420 pieces • 20 items
12017 steel tray

509110	**509116**	**509121**	**509130**
509111	**509117**	**509124**	**509132**
509113	**509118**	**509125**	**509133**
509114	**509119**	**509127**	**509135**
509115	**509120**	**509128**	**509136**

Numbers in assortment

O-RINGS

Used for sealing in valves, faucets, transmissions, compressors, cylinders, and flanges. Also used for small drive belts.

• Four thicknesses available: 1/16, 3/32, 1/8, 3/16
– THREE COMPOUNDS AVAILABLE –

BUNA-N-70 DUROMETER (NITRILE) BLACK

Due to its excellent resistance to petroleum products, and its ability to be compounded for service over a temperature range of -65° to +275°F (-54°to +135°C), nitrile is the most widely used elastomer in the seal industry today. Most military rubber specifications for fuel and oil resistant MS and AN O-rings require nitrile base compounds. It should be mentioned, however, that to obtain good resistance to low temperature with nitrile compounding, it is almost always necessary to sacrifice some high temperature fuel and oil resistance.
Nitrile compounds are superior to most elastomers with regard to compression set or cold flow, tear, and abrasion resistance. Inherently, they do NOT possess good resistance to ozone, sunlight or weather but this has been substantially improved through compounding.

Nitrile is recommended for:

- General purpose sealing.
- Petroleum oils and fluids.
- Water.
- Silicone greases and oils.
- Di-ester base lubricants (MIL-L-7808).
- Ethylene glycol base fluids (Hydrolubes).

MOST POPULAR GENERAL PURPOSE

VITON-75 DUROMETER (FLUOROCARBON) BLACK

Fluorocarbon elastomers were first introduced in the mid-1950's. Since then they have grown to major importance in the seal industry. Due to wide spectrum chemical compatibility and temperature range, fluorocarbon rubber is the most significant single elastomer development in recent history.
Its working temperature range is considered to be from -20° to +400°F (-29° to +204°C) but it will take temperatures up to 600°F (316°C) for short periods of time. It has been known to seal at -65°F (-54°C) in some static applications. Newer developments have tremendously improved the compression set characteristics of this very useful material.
Compounds made from fluorocarbon elastomers should be considered for use in aircraft, automotive and other mechanical devices requiring maximum resistance to deterioration by test and functional fluids.

Fluorocarbon is recommended for:

- Petroleum oils.
- Di-ester base lubricants (MIL-L-7808, MIL-L-6085).
- Silicate ester base lubricants (MLO 8200, MLO 8515, OS-45).
- Silicone fluids and greases.
- Halogenated hydrocarbons (carbon tetrachloride, trichloroethylene).
- Selected phosphate ester fluids.
- Acids.

FOR MAXIMUM TEMPERATURE AND CHEMICAL RESISTANCE

ETHYLENE PROPYLENE 70 DUROMETER (EPR, EPDM) BLACK

Ethylene has won broad acceptance in the selling world because of its excellent resistance to Skydrol and other phosphate ester type hydraulic fluids.
Ethylene propylene has a temperature range of -65° to +300°F (-54° to +150°C) for most applications.



EP is recommended for:

- Phosphate ester base hydraulic fluids (Skydrol, Fyrquel, Pydraul).
- Steam (to 500°F) (260°C).
- Water.
- Silicone oils and greases.
- Dilute acids.
- Dilute alkalies.
- Ketones (MEK, acetone).
- Alcohols.
- Automotive brake fluids.

FOR NON-PETROLEUM BASED FLUIDS

O-RING APPLICATION GUIDE

P-POOR F-FAIR G-GOOD E-EXCELLENT	BUNA-N	VITON	EPDM
Ozone resistance	P	E	E
Weather resistance	F	E	E
Heat resistance	G	E	E
Chemical resistance	FG	E	E
Oil resistance	E	E	P
Impermeability	G	G	G
Cold resistance	G	FP	GE
Tear resistance	FG	F	GE
Abrasion resistance	G	G	GE
Set resistance	GE	GE	GE
Dynamic resistance	GE	GE	GE
Acid resistance	F	E	G
Tensile strength	GE	GE	GE
Electrical properties	F	F	G
Water/steam resistance	FG	FG	G
Flame resistance	P	E	P

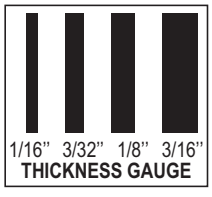
CHEMICAL/FLUIDS RESISTANCE

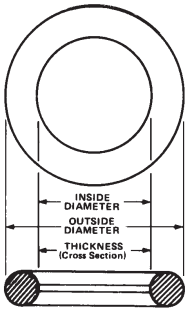
O-RING RECOMMENDATIONS FOR VARIOUS FLUIDS AND CHEMICALS	BUNA-N	VITON	EPDM
Water	•		•
Petroleum oils & fluids	•	•	
Silicone greases & oils	•	•	•
Di-ester based lubricants	•	•	
Ethylene glycol based fluids	•		
Phosphate ester based			•
hydraulic fluids			
Steam (to 400° F; 204°C)			•
Diluted acids			•
Acids		•	
Diluted alkalies			•
Ketones			•
Alcohols			•
Automobile brake fluids			•
Silicone ester based lubricants		•	
Halogenated hydrocarbons		•	

TEMPERATURE RANGE

COMPOUND	°F	°C
Buna-N (Nitrile)	-65° to+ 300°	-54° to +135°
Ethylene	-65° to+ 300°	-54° to +135°
Propylene		
Viton		
(Fluorocarbon)	-20° to +400°	-29° to +204°

• A "Durometer" rating is a hardness rating of any O-Ring material. A "Durometer" rating of 70 is the accepted industry standard.





O-RINGS

STANDARD CUT O-RINGS

BUNA-N	QTY	VITON	QTY	ETHYLENE PROPYLENE	QTY	IND. NO.	THICKNESS (INCHES)	I.D. (INCHES)	O.D. (INCHES)
14003	25	15003	10	16003	10	003	1/16	1/16	3/16
14004	25	15004	10	16004	10	004	1/16	5/64	13/64
14005	25	15005	10	16005	10	005	1/16	3/32	7/32
14006	50	15006	10	---	-	006	1/16	1/8	1/4
14007	50	15007	10	---	-	007	1/16	5/32	9/32
14008	50	15008	10	---	-	008	1/16	3/16	5/16
14009	50	15009	10	---	-	009	1/16	7/32	11/32
14010	50	15010	10	---	-	010	1/16	1/4	3/8
14011	50	15011	10	---	-	011	1/16	5/16	7/16
14012	50	15012	10	---	-	012	1/16	3/8	1/2
14013	50	15013	10	---	-	013	1/16	7/16	9/16
14014	25	15014	10	---	-	014	1/16	1/2	5/8
14015	50	15015	10	---	-	015	1/16	9/16	11/16
14016	25	15016	10	---	-	016	1/16	5/8	3/4
14017	50	15017	10	---	-	017	1/16	11/16	13/16
14018	25	15018	10	---	-	018	1/16	3/4	7/8
14019	25	15019	10	---	-	019	1/16	13/16	15/16
14020	25	15020	10	---	-	020	1/16	7/8	1
14021	25	15021	10	---	-	021	1/16	15/16	1-1/16
14022	25	15022	10	---	-	022	1/16	1	1-1/8
14023	25	15023	10	16023	10	023	1/16	1-1/16	1-3/16
14024	25	15024	10	16024	10	024	1/16	1-1/8	1-1/4
14025	25	15025	10	16025	10	025	1/16	1-3/16	1-5/16
14026	25	15026	10	16026	10	026	1/16	1-1/4	1-3/8
14027	25	15027	10	16027	10	027	1/16	1-5/16	1-7/16
14028	25	15028	10	16028	10	028	1/16	1-3/8	1-1/2
14029	25	15029	10	16029	10	029	1/16	1-1/2	1-5/8
14030	25	15030	10	16030	10	030	1/16	1-5/8	1-3/4
14031	25	15031	10	16031	10	031	1/16	1-3/4	1-7/8
14032	25	15032	10	16032	10	032	1/16	1-7/8	2
14033	25	15033	10	16033	10	033	1/16	2	2-1/8
14034	25	15034	10	16034	10	034	1/16	2-1/8	2-1/4
14035	25	15035	10	16035	10	035	1/16	2-1/4	2-3/8
14108	25	15108	10	---	-	108	3/32	1/4	7/16
14109	25	15109	10	---	-	109	3/32	5/16	1/2
14110	50	15110	10	---	-	110	3/32	3/8	9/16
14111	50	15111	10	---	-	111	3/32	7/16	5/8
14112	50	15112	10	---	-	112	3/32	1/2	11/16
14113	50	15113	10	---	-	113	3/32	9/16	3/4
14114	50	15114	10	---	-	114	3/32	5/8	13/16
14115	50	15115	10	---	-	115	3/32	11/16	7/8
14116	50	15116	10	---	-	116	3/32	3/4	15/16
14117	25	15117	10	---	-	117	3/32	13/16	1
14118	25	15118	10	---	-	118	3/32	7/8	1-1/16
14119	25	15119	10	---	-	119	3/32	15/16	1-1/8
14120	25	15120	10	---	-	120	3/32	1	1-3/16
14121	25	15121	10	---	-	121	3/32	1-1/16	1-1/4
14122	25	15122	10	---	-	122	3/32	1-1/8	1-5/16
14123	25	15123	10	---	-	123	3/32	1-3/16	1-3/8
14124	25	15124	10	---	-	124	3/32	1-1/4	1-7/16
14125	25	15125	10	---	-	125	3/32	1-5/16	1-1/2
14126	25	15126	10	---	-	126	3/32	1-3/8	1-9/16
14127	25	15127	10	---	-	127	3/32	1-7/16	1-5/8
14128	25	15128	10	---	-	128	3/32	1-1/2	1-11/16
14129	25	15129	10	16129	10	129	3/32	1-9/16	1-3/4
14130	25	15130	10	16130	10	130	3/32	1-5/8	1-13/16
14131	25	15131	10	16131	10	131	3/32	1-11/16	1-7/8
14132	25	15132	5	16132	10	132	3/32	1-3/4	1-15/16
14133	25	15133	5	16133	10	133	3/32	1-13/16	2
14134	25	15134	5	16134	10	134	3/32	1-7/8	2-1/16
14135	25	15135	5	16135	10	135	3/32	1-15/16	2-1/8
14136	25	15136	5	16136	10	136	3/32	2	2-3/16
14137	25	15137	5	16137	10	137	3/32	2-1/16	2-1/4
14138	25	15138	5	16138	10	138	3/32	2-1/8	2-5/16
14139	25	15139	5	16139	10	139	3/32	2-3/16	2-3/8
14140	25	15140	5	16140	10	140	3/32	2-1/4	2-7/16
14141	25	15141	5	16141	10	141	3/32	2-5/16	2-1/2
14142	25	15142	5	16142	10	142	3/32	2-3/8	2-9/16
14143	25	15143	5	16143	10	143	3/32	2-7/16	2-5/8
14144	25	15144	5	16144	10	144	3/32	2-1/2	2-11/16
14145	25	15145	5	16145	10	145	3/32	2-9/16	2-3/4
14146	25	15146	5	16146	10	146	3/32	2-5/8	2-13/16
14147	25	15147	5	16147	10	147	3/32	2-11/16	2-7/8
14148	25	15148	5	16148	10	148	3/32	2-3/4	2-15/16
14149	25	15149	5	16149	10	149	3/32	2-13/16	3
14150	25	15150	5	16150	10	150	3/32	2-7/8	3-1/16
14151	25	15151	5	16151	10	151	3/32	3	3-3/16

BUNA-N	QTY	VITON	QTY	ETHYLENE PROPYLENE	QTY	IND. NO.	THICKNESS (INCHES)	I.D. (INCHES)	O.D. (INCHES)
14201	25	15201	10	16201	10	201	1/8	3/16	7/16
14202	25	15202	10	16202	10	202	1/8	1/4	1/2
14203	25	15203	10	16203	10	203	1/8	5/16	9/16
14204	25	15204	10	16204	10	204	1/8	3/8	5/8
14205	25	15205	10	16205	10	205	1/8	7/16	11/16
14206	25	15206	10	16206	10	206	1/8	1/2	3/4
14207	25	15207	10	16207	10	207	1/8	9/16	13/16
14208	25	15208	10	16208	10	208	1/8	5/8	7/8
14209	25	15209	10	16209	10	209	1/8	11/16	15/16
14210	50	15210	10	---	-	210	1/8	3/4	1
14211	50	15211	10	---	-	211	1/8	13/16	1-1/16
14212	50	15212	5	---	-	212	1/8	7/8	1-1/8
14213	50	15213	5	---	-	213	1/8	15/16	1-3/16
14214	24	15214	5	---	-	214	1/8	1	1-1/4
14215	24	15215	5	---	-	215	1/8	1-1/16	1-5/16
14216	24	15216	5	---	-	216	1/8	1-1/8	1-3/8
14217	24	15217	5	---	-	217	1/8	1-3/16	1-7/16
14218	24	15218	5	---	-	218	1/8	1-1/4	1-1/2
14219	24	15219	5	---	-	219	1/8	1-5/16	1-9/16
14220	24	15220	5	---	-	220	1/8	1-3/8	1-5/8
14221	24	15221	5	---	-	221	1/8	1-7/16	1-11/16
14222	12	15222	5	---	-	222	1/8	1-1/2	1-3/4
14223	10	15223	5	---	-	223	1/8	1-5/8	1-7/8
14224	12	15224	5	---	-	224	1/8	1-3/4	2
14225	12	15225	5	---	-	225	1/8	1-7/8	2-1/8
14226	12	15226	5	---	-	226	1/8	2	2-1/4
14227	10	15227	5	---	-	227	1/8	2-1/8	2-3/8
14228	12	15228	5	---	-	228	1/8	2-1/4	2-1/2
14229	10	15229	5	---	-	229	1/8	2-3/8	2-5/8
14230	10	15230	5	16230	5	230	1/8	2-1/2	2-3/4
14231	10	15231	5	16231	5	231	1/8	2-5/8	2-7/8
14232	10	15232	5	16232	5	232	1/8	2-3/4	3
14233	10	15233	5	16233	5	233	1/8	2-7/8	3-1/8
14234	10	15234	5	16234	5	234	1/8	3	3-1/4
14235	10	15235	2	16235	5	235	1/8	3-1/8	3-3/8
14236	10	15236	2	16236	5	236	1/8	3-1/4	3-1/2
14237	10	15237	2	16237	5	237	1/8	3-3/8	3-5/8
14238	10	15238	2	16238	5	238	1/8	3-1/2	3-3/4
14239	10	15239	2	16239	5	239	1/8	3-5/8	3-7/8
14240	10	15240	2	16240	5	240	1/8	3-3/4	4
14241	10	15241	2	16241	5	241	1/8	3-7/8	4-1/8
14242	10	15242	2	16242	5	242	1/8	4	4-1/4
14243	10	15243	2	16243	5	243	1/8	4-1/8	4-3/8
14244	10	15244	2	16244	5	244	1/8	4-1/4	4-1/2
14245	10	15245	2	16245	5	245	1/8	4-3/8	4-5/8
14246	10	15246	2	16246	5	246	1/8	4-1/2	4-3/4
14247	10	15247	2	16247	5	247	1/8	4-5/8	4-7/8
14248	10	15248	2	16248	5	248	1/8	4-3/4	5
14249	10	15249	2	16249	5	249	1/8	4-7/8	5-1/8
14250	10	15250	2	16250	2	250	1/8	5	5-1/4
14251	10	15251	2	16251	2	251	1/8	5-1/8	5-3/8
14252	10	15252	2	16252	2	252	1/8	5-1/4	5-1/2
14253	10	15253	2	16253	2	253	1/8	5-3/8	5-5/8
14254	10	15254	2	16254	2	254	1/8	5-1/2	5-3/4
14255	10	15255	2	16255	2	255	1/8	5-5/8	5-7/8
14256	10	15256	2	16256	2	256	1/8	5-3/4	6
14257	10	15257	2	16257	2	257	1/8	5-7/8	6-1/8
14258	10	15258	2	16258	2	258	1/8	6	6-1/4
14259	10	15259	2	16259	2	259	1/8	6-1/4	6-1/2
14260	10	15260	2	16260	2	260	1/8	6-1/2	6-3/4
14310	10	15310	5	16310	10	310	3/16	1/2	7/8
14312	10	15312	5	16312	10	312	3/16	5/8	1
14314	10	15314	5	16314	10	314	3/16	3/4	1-1/8
14316	10	15316	5	16316	10	316	3/16	7/8	1-1/4
14317	10	15317	5	16317	10	317	3/16	15/16	1-5/16
14318	10	15318	5	16318	10	318	3/16	1	1-3/8
14319	10	15319	5	16319	10	319	3/16	1-1/16	1-7/16
14320	10	15320	5	16320	10	320	3/16	1-1/8	1-1/2
14322	10	15322	2	16322	10	322	3/16	1-1/4	1-5/8
14324	10	15324	2	16324	10	324	3/16	1-3/8	1-3/4
14325	12	15325	2	---	-	325	3/16	1-1/2	1-7/8
14326	12	15326	2	---	-	326	3/16	1-5/8	2
14327	10	15327	2	---	-	327	3/16	1-3/4	2-1/8
14328	12	15328	2	---	-	328	3/16	1-7/8	2-1/4
14329	10	15329	2	---	-	329	3/16	2	2-3/8
14330	10	15330	2	16330	10	330	3/16	2-1/8	2-1/2
14331	12	15331	2	16331	10	331	3/16	2-1/4	2-5/8

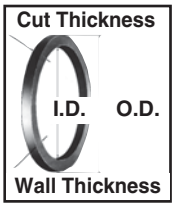
O-RINGS

STANDARD CUT O-RINGS

BUNA-N	QTY	VITON	QTY	ETHYLENE PROPYLENE	QTY	IND. NO.	THICKNESS (INCHES)	I.D. (INCHES)	O.D. (INCHES)
14332	10	15332	2	16332	5	332	3/16	2-3/8	2-3/4
14333	12	15333	2	16333	5	333	3/16	2-1/2	2-7/8
14334	10	15334	2	16334	5	334	3/16	2-5/8	3
14335	10	15335	2	16335	5	335	3/16	2-3/4	3-1/8
14337	10	15337	2	16337	5	337	3/16	3	3-3/8
14338	12	15338	2	16338	5	338	3/16	3-1/8	3-1/2
14339	10	15339	2	16339	5	339	3/16	3-1/4	3-5/8
14340	10	15340	2	16340	5	340	3/16	3-3/8	3-3/4
14341	10	15341	2	16341	5	341	3/16	3-1/2	3-7/8

BUNA-N	QTY	VITON	QTY	ETHYLENE PROPYLENE	QTY	IND. NO.	THICKNESS (INCHES)	I.D. (INCHES)	O.D. (INCHES)
14342	10	15342	2	16342	5	342	3/16	3-5/8	4
14343	10	15343	2	16343	5	343	3/16	3-3/4	4-1/8
14344	10	15344	2	16344	5	344	3/16	3-7/8	4-1/4
14345	10	15345	2	16345	5	345	3/16	4	4-3/8
14346	10	15346	2	16346	2	346	3/16	4-1/8	4-1/2
14347	10	15347	2	16347	2	347	3/16	4-1/4	4-5/8
14348	10	15348	2	16348	2	348	3/16	4-3/8	4-3/4
14349	10	15349	2	16349	2	349	3/16	4-1/2	4-7/8
14350	10	15350	2	16350	2	350	3/16	4-5/8	5

SQUARE CUT O-RINGS



THE SEAL FOR ALL STATIC APPLICATIONS
Hydraulic fluids, lubricating oils, gasoline, mineral oil, diesel fuel, pneumatic service.

- Made from Buna-N* 70
- Interchangeable with standard O-rings, size for size, from 3/16" up to 18" ID.
- Fit the same gland as standard O-rings.
- Outperforms and outlasts standard O-rings in most static applications.
- Offered in the same material selection as standard O-rings; meets ASTM and SAE requirements.
- Closer cross-sectional tolerances can be held on the square cut than on most standard O-rings.
- Temperature range: -40°F to 300°F.

PART NUMBER	INDUSTRY NUMBER	INSIDE DIA.	OUTSIDE DIA.	WALL THICKNESS	CUT THICKNESS	QTY
17012	012	3/8	1/2	1/16	.066 ± .004	50
17013	013	7/16	9/16	1/16	.066 ± .004	50
17015	015	9/16	11/16	1/16	.066 ± .004	50
17017	017	11/16	13/16	1/16	.066 ± .004	50
17110	110	3/8	9/16	3/32	.099 ± .004	50
17111	111	7/16	5/8	3/32	.099 ± .004	50
17112	112	1/2	11/16	3/32	.099 ± .004	50
17113	113	9/16	3/4	3/32	.099 ± .004	50
17114	114	5/8	13/16	3/32	.099 ± .004	50
17115	115	11/16	7/8	3/32	.099 ± .004	50
17116	116	3/4	15/16	3/32	.099 ± .004	50
17210	210	3/4	1	1/8	.134 ± .004	50
17211	211	13/16	1-1/16	1/8	.134 ± .004	50
17212	212	7/8	1-1/8	1/8	.134 ± .004	50
17213	213	15/16	1-3/16	1/8	.134 ± .004	50
17214	214	1	1-1/4	1/8	.134 ± .004	25

PART NUMBER	INDUSTRY NUMBER	INSIDE DIA.	OUTSIDE DIA.	WALL THICKNESS	CUT THICKNESS	QTY
17215	215	1-1/16	1-5/16	1/8	.134 ± .004	25
17216	216	1-1/8	1-3/8	1/8	.134 ± .004	25
17217	217	1-3/16	1-7/16	1/8	.134 ± .004	25
17218	218	1-1/4	1-1/2	1/8	.134 ± .004	25
17219	219	1-5/16	1-9/16	1/8	.134 ± .004	25
17220	220	1-3/8	1-5/8	1/8	.134 ± .004	25
17221	221	1-7/16	1-11/16	1/8	.134 ± .004	25
17222	222	1-1/2	1-3/4	1/8	.203 ± .004	15
17224	224	1-3/4	2	1/8	.203 ± .004	15
17325	325	1-1/2	1-7/8	3/16	.203 ± .004	15
17326	326	1-5/8	2	3/16	.203 ± .004	15
17328	328	1-7/8	2-1/4	3/16	.203 ± .004	15
17331	331	2-1/4	2-5/8	3/16	.203 ± .004	15
17333	333	2-1/2	2-7/8	3/16	.203 ± .004	15
17338	338	3-1/8	3-1/2	3/16	.203 ± .004	15

* Buna-N is the most widely used synthetic rubber for O-ring seals. Its wide acceptance as a sealing material is due to its economic cost, inherent resistance to petroleum-based products and dependability over a temperature range which covers most industry applications.

METRIC BUNA-N 70 (Nitrile) O-RINGS

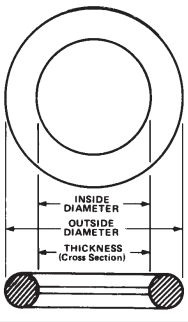
PART NUMBER	QTY	THKS. (MM)	I.D. (MM)	O.D. (MM)
553500	25	1.5	3	6
553501	25	1.5	4	7
553502	25	1.5	4.5	7.5
553503	25	1.5	5	8
553504	25	1.5	6	9
553505	25	1.5	7	10
553506	25	1.5	7.5	10.5
553507	25	1.5	8	11
553508	25	1.5	9	12
553509	25	1.5	10	13
553510	25	2.0	3	7
553511	25	2.0	4	8
553512	25	2.0	5	9
553513	25	2.0	6	10
553514	25	2.0	7	11
553515	25	2.0	8	12
553516	25	2.0	10	14
553517	25	2.0	11	15
553518	25	2.0	12	16
553519	25	2.0	13	17
553520	25	2.0	14	18
553521	25	2.0	15	19
553522	25	2.0	16	20
553523	25	2.0	17	21
553524	25	2.0	18	22
553525	25	2.0	19	23
553526	25	2.0	20	24
553527	25	2.0	21	25
553528	25	2.0	22	26
553529	25	2.0	23	27

PART NUMBER	QTY	THKS. (MM)	I.D. (MM)	O.D. (MM)
553530	25	2.0	24	28
553531	25	2.0	25	29
553532	25	2.0	26	30
553533	25	2.0	27	31
553534	25	2.0	28	32
553535	25	2.0	30	34
553536	25	2.0	31	35
553537	25	2.0	32	36
553538	25	2.0	33	37
553539	25	2.0	34	38
553540	25	2.0	35	39
553541	25	2.0	36	40
553542	25	2.0	37	41
553543	25	2.0	38	42
553544	25	2.0	39	43
553545	25	2.0	40	44
553546	25	2.5	10	15
553547	25	2.5	11	16
553548	25	2.5	12	17
553549	25	2.5	14	19
553550	25	2.5	16	21
553551	25	2.5	17	22
553552	25	2.5	19	24
553553	25	2.5	20	25
553554	25	3.0	10	16
553555	25	3.0	11	17
553556	25	3.0	12	18
553557	25	3.0	13	19
553558	25	3.0	14	20
553559	25	3.0	15	21

PART NUMBER	QTY	THKS. (MM)	I.D. (MM)	O.D. (MM)
553560	25	3.0	16	22
553561	25	3.0	17	23
553562	25	3.0	18	24
553563	25	3.0	19	25
553564	25	3.0	20	26
553565	25	3.0	22	28
553566	25	3.0	24	30
553567	25	3.0	25	31
553568	25	3.0	26	32
553569	25	3.0	27	33
553570	25	3.0	28	34
553571	25	3.0	29	35
553572	25	3.0	30	36
553573	25	3.0	31	37
553574	25	3.0	32	38
553575	25	3.0	33	39
553576	25	3.0	34	40
553577	25	3.0	35	41
553578	25	3.0	36	42
553579	25	3.0	37	43
553580	25	3.0	38	44
553581	25	3.0	39	45
553582	25	3.0	40	46
553583	10	3.0	41	47
553584	10	3.0	42	48
553585	10	3.0	43	49
553586	10	3.0	44	50
553587	10	3.0	45	51
553588	10	3.0	46	52
553589	10	3.0	47	53

PART NUMBER	QTY	THKS. (MM)	I.D. (MM)	O.D. (MM)
553590	10	3.0	48	54
553591	10	3.0	49	55
553592	10	3.0	50	56
553593	25	4.0	20	28
553594	25	4.0	22	30
553595	25	4.0	23	31
553596	25	4.0	24	32
553597	25	4.0	25	33
553598	25	4.0	26	34
553599	25	4.0	27	35
553600	25	4.0	28	36
553601	10	4.0	30	38
553602	10	4.0	31	39
553603	10	4.0	32	40
553604	10	4.0	34	42
553605	10	4.0	35	43
553606	10	4.0	36	44
553607	10	4.0	37	45
553608	10	4.0	38	46
553609	10	4.0	40	48
553610	10	4.0	42	50
553611	10	4.0	44	52
553612	10	4.0	46	54
553613	10	4.0	48	56
553614	10	4.0	50	58
553615	10	4.0	52	60
553616	10	4.0	54	62
553617	10	4.0	56	64
553618	10	4.0	58	66
553619	10	4.0	60	68

DIN 3880





THICKNESS GAUGE (in millimeters)

O-RINGS

Contents of assortments are elevated for display purposes only.

CATERPILLAR O-RING ASSORTMENTS

The right assortment for servicing Caterpillar heavy duty equipment.





Part No. 10304
80 pieces • 8 items
12049 plastic tray

14210	14222	14226
14214	14224	14228
14219	14225	

Numbers in assortment

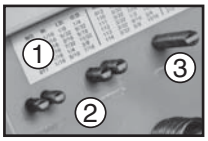


Part No. 501463
145 pieces • 8 items
12061 steel tray

14210	14222	14226
14214	14224	14228
14219	14225	

Numbers in assortment

O-RING ASSORTMENTS





Thickness gauge built right into the case itself, for quick identification.



❶ Handy dimension chart by industry number.
❷ Industry number permanently imprinted in heavy duty plastic case.
❸ O-Rings fit neatly on size post or in holes.

Industry Numbers in Assortments 14001, 15001 & 16001

006	009	012	112	115	211	214	217	220	325
007	010	110	113	116	212	215	218	221	326
008	011	111	114	210	213	216	219	222	327

Numbers in assortment

– THREE COMPOUNDS AVAILABLE –

BUNA-N-70 DUROMETER
(NITRILE)
Most Popular • General Purpose
Part No. 14001
382 pieces • 30 items

006	009	012	112	115	211	214	217	220	325
007	010	110	113	116	212	215	218	221	326
008	011	111	114	210	213	216	219	222	327

Numbers in assortment

VITON-75 DUROMETER
(FLUOROCARBON)
For Max Temperature & Chemical Resistance
Part No. 15001
382 pieces • 30 items

006	009	012	112	115	211	214	217	220	325
007	010	110	113	116	212	215	218	221	326
008	011	111	114	210	213	216	219	222	327

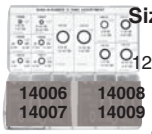
Numbers in assortment

ETHYLENE PROPYLENE DUROMETER
(EPR, EPDM)
For Non-Petroleum Based Fluids
Part No. 16001
382 pieces • 30 items

006	009	012	112	115	211	214	217	220	325
007	010	110	113	116	212	215	218	221	326
008	011	111	114	210	213	216	219	222	327

Numbers in assortment

BUNA-N O-RING ASSORTMENTS



Sizes: 1/8'' I.D. through 11/16" I.D.
Part No. 10301
120 pieces • 12 items • 12027 plastic tray

14006	14008	14010	14012	14112	14114
14007	14009	14011	14111	14113	14115

Numbers in assortment



Sizes: 3/4'' I.D. through 1-7/16" I.D.
Part No. 10302
96 pieces • 12 items • 12039 plastic tray

14210	14212	14214	14216	14218	14220
14211	14213	14215	14217	14219	14221

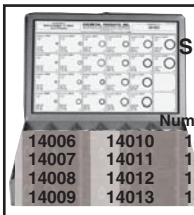
Numbers in assortment



Sizes: 7mm I.D. x 30mm I.D.
Part No. 553435
72 pieces • 12 items • 12030 plastic tray

553505	553515	553546	553550	553558	553567
553509	553516	553549	553553	553564	553572

Numbers in assortment



Small Diameter
Sizes: 1/8'' I.D. through 1" I.D.
Part No. 501025*
284 pieces • 22 items
12017 steel tray

Numbers in assortment

14006	14010	14015	14112	14116	14213
14007	14011	14017	14113	14210	14214
14008	14012	14110	14114	14211	
14009	14013	14111	14115	14212	



Large Diameter
Sizes: 1-1/16'' I.D. through 3-1/8" I.D.
Part No. 501070
60 pieces • 15 items
12050 steel tray

14215	14218	14221	14325	14331
14216	14219	14222	14326	14333
14217	14220	14224	14328	14338

Numbers in assortment

***Complete Assortment Refills** for Top "20" Assortment are available and are shipped in a corrugated tray (just add RF to Part No.)

Contents of assortments are elevated for display purposes only.

O-RINGS

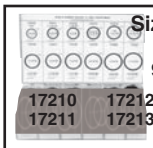
SQUARE CUT O-RING ASSORTMENTS



Sizes: 3/8'' I.D. through 11/16" I.D.
Part No. 220301
90 pieces • 6 items • 12042 plastic tray

17012	17112	17114
17111	17113	17115

Numbers in assortment



Sizes: 3/4'' I.D. through 1-7/16" I.D.
Part No. 220302
90 pieces • 12 items • 12039 plastic tray

17210	17212	17214	17216	17218	17220
17211	17213	17215	17217	17219	17221

Numbers in assortment



Small Diameter
Sizes: 3/16'' I.D. through 1" I.D.
Part No. 501305
355 pieces • 16 items
12050 steel tray

17012	17017	17112	17115	17211	17214
17013	17110	17113	17116	17212	
17015	17111	17114	17210	17213	

Numbers in assortment



Large Diameter
Sizes: 1-1/16'' I.D. through 3-1/8" I.D.
Part No. 501306
110 pieces • 15 items
12050 steel tray

17215	17218	17221	17325	17331
17216	17219	17222	17326	17333
17217	17220	17224	17328	17338

Numbers in assortment

"E-Z SPLICE" O-RING SPLICING KIT

- **Complete repair in 60 seconds.**
- **Contains everything needed for "on the spot" stationary O-Ring repairs.**
- **Kit contains complete, easy to follow instructions.**



Part No. 410001
Contains Cutting Fixture and Blade, Industrial Adhesive and 3 ft. lengths of 4 popular "Buna-N-Rubber" Cord Stock sizes.

'E-Z SPLICE' REFILLS

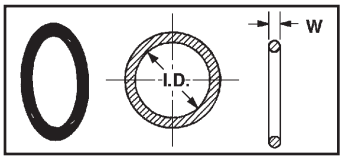
11301	Cutting blade	**410403**	1/8" x 3 ft. cord stock
910776	Industrial strength adhesive	**410404**	3/16" x 3 ft. cord stock
410401	Cutting fixture	**410405**	1/4" x 3 ft. cord stock
410402	3/32" x 3 ft. cord stock		



HYDRAULIC O-RINGS

- **Made from Buna-N, 90 Durometer.**
- **Conforms to SAEJ515 type CH, SAEJ1926 (MS16142).**
- **Temperature range -40°F to +250°F (-40°C to +121°C).**
- **Not recommended for use with straight synthetic hydraulic fluids.**

Replacement o-rings for hydraulic tube fittings.

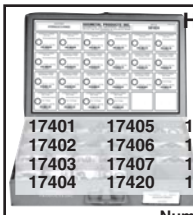


(PSS041916)

STRAIGHT THREAD

Used on Boss fittings and pipe fittings.

TUBE O.D.	FITS THREAD SIZE	"W" THICKNESS (INCHES)	I.D. (INCHES)	PART NUMBER	QTY	INDUSTRY NO.
1/4	7/16-20	.072	.351	**17420**	10	7629 x 4
5/16	1/2-20	.072	.414	**17421**	10	7629 x 5
3/8	9/16-18	.078	.468	**17422**	10	7629 x 6
1/2	3/4-16	.087	.644	**17423**	10	7629 x 8
5/8	7/8-14	.097	.755	**17424**	10	7629 x 10
3/4	1-1/16-12	.116	.924	**17425**	10	7629 x 12
1	1-5/16-12	.116	1.171	**17426**	10	7629 x 16
1-1/4	1-5/8-12	.118	1.475	**17427**	10	7629 x 20
1-1/2	1-7/8-12	.118	1.720	**17428**	5	7629 x 24
2	2-1/2-12	.118	2.337	**17429**	5	7629 x 32



Hydraulic O-Ring Assortment
Part No. 501824
365 pieces • 22 items
12017 steel tray

17401	17405	17421	17425	17429	17444
17402	17406	17422	17426	17441	17445
17403	17407	17423	17427	17442	
17404	17420	17424	17428	17443	

Numbers in assortment

FLAT FACE

Used on flat face o-ring fittings.

TUBE O.D.	FITS THREAD SIZE	"W" THICKNESS (INCHES)	I.D. (INCHES)	PART NUMBER	QTY	INDUSTRY NO.
1/4	9/16-18	.070	.301	**17401**	25	4629 x 4
3/8	11/16-16	.070	.364	**17402**	25	4629 x 6
1/2	13/16-16	.070	.489	**17403**	25	4629 x 8
5/8	1-14	.070	.614	**17404**	25	4629 x 10
3/4	1-3/16-12	.070	.739	**17405**	25	4629 x 12
1	1-7/16-12	.070	.926	**17406**	25	4629 x 16
1-1/4	1-11/16-12	.070	1.176	**17407**	25	4629 x 20
1-1/2	2-12	.070	1.489	**17408**	25	4629 x 24

SPLIT FLANGE

Used on split flange fittings.

FLANGE STYLE (INCHES)	"W" THICKNESS (INCHES)	I.D. (INCHES)	PART NUMBER	QTY	INDUSTRY NO.
1/2	.139	.734	**17440**	10	8 x 252
3/4	.139	.984	**17441**	10	12 x 252
1	.139	1.296	**17442**	10	16 x 252
1-1/4	.139	1.484	**17443**	10	20 x 252
1-1/2	.139	1.859	**17444**	5	24 x 252
2	.139	2.234	**17445**	5	32 x 252

B14

B SECTION
FITTINGS/ HYDRAULICS & HOSE

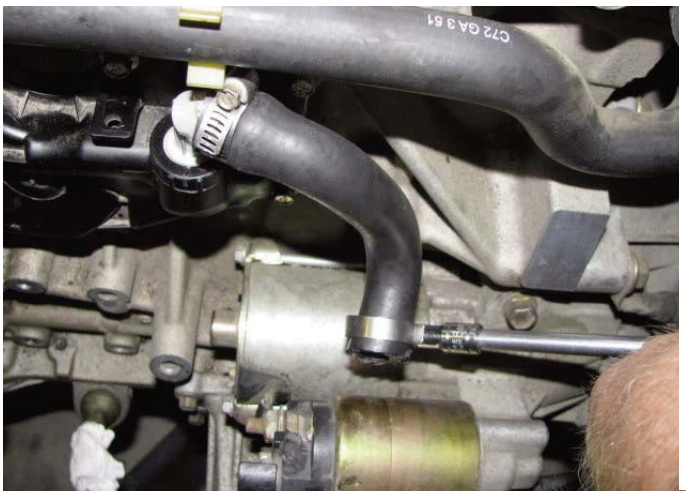












GREASE FITTINGS

AUTOMOTIVE GREASE FITTINGS

- Contains the most popular standard and metric grease fittings.



Steel
Part No. 415103
400 pieces • 18 items
12071 steel tray

10830	10834	10840	532094	532098
10831	10835	532091	532095	532099
10832	10836	532092	532096	
10833	10838	532093	532097	

Numbers in assortment

INDUSTRIAL GREASE FITTINGS

- Includes standard and giant button head styles.



Steel
Part No. 10809
294 pieces • 17 items
12017 steel tray

10830	10834	10838	10842	10857
10831	10835	10839	10847	
10832	10836	10840	10848	
10833	10837	10841	10856	

Numbers in assortment

GREASE FITTING TOOL ASSORTMENTS



Steel
Part No. 10804
116 pieces • 12 items
12029 plastic tray

10830	10834	10840
10831	10835	10842
10832	10836	532091
10833	10838	532094

Numbers in assortment



Steel w/Removing Tool
Part No. 10805
117 pieces • 13 items
12029 plastic tray

10830	10834	10840	532091
10831	10835	10842	532094
10832	10836	10880	
10833	10838		

Numbers in assortment

SELF-TAPPING GREASE FITTINGS



Steel
Part No. 10951
35 pieces • 4 items
12024 plastic tray

10982	10983	10984	10985

Numbers in assortment

METRIC GREASE FITTINGS



Steel
Part No. 53206
48 pieces • 9 items
12030 plastic tray

532091	532094	532097
532092	532095	532098
532093	532096	532099

Numbers in assortment

GREASE FITTING and BRAKE BLEEDER SCREW CAPS

Prevent clogged grease fittings & brake bleeder screws

- Used on automotive, construction, farm, mining and industrial equipment.
- Red color is easy to see.
- Fits all grease fittings & brake bleeder screws.
- Constructed of high strength plastic.

CAP with Integral Retaining Ring

Keeps cap on fitting during service.

Part No. 10849 (100)



GREASE FITTING EASY-OUT TOOL

- Removes 5/16" and 3/8" hex.
- Retaps 1/4-28 std. thread
- Removes 1/4-28 std. thread.

Part No. 10880



B15

GREASE FITTINGS

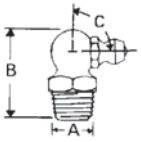
GREASE FITTINGS

For cars, trucks, machinery, industrial equipment.

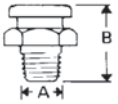
FITTING TYPE 1



FITTING TYPE 2



FITTING TYPE 3



HYDRAULIC

- **Precision engineered to OEM specifications.**
- **Designed to give full-flow lubrication without restriction.**
- **Check valve equipped for extended performance and reliability.**

STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
10830	1	1/4-28 tapered	33/64	--
10975	1	1/4-28 tapered	11/16	--
10846	1	1/4-28 tapered	15/16	--
10831	1	1/4-28 tapered	1-1/8	--
10851	1	1/4-28 tapered	1-5/8	--
10832	2	1/4-28 tapered	13/16	45°
10833	2	1/4-28 tapered	29/32	45°
10834	2	1/4-28 tapered	3/4	90°
10976	1	1/4-28 UNF	1/2	--
10835	1	5/16-24 UNF	21/32	--
10837	1	3/8-24 UNF	21/32	--
10838	1	1/8 pipe	11/16	--
10977	1	1/8 pipe	1-1/4	--
10860	1	1/8 pipe	1-3/4	--

STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
10987	1	1/8 pipe	2-5/8	--
10839	2	1/8 pipe	29/32	30°
10840	2	1/8 pipe	29/32	45°
10841	2	1/8 pipe	27/32	65°
10842	2	1/8 pipe	27/32	90°
10844	1	1/4 pipe	11/16	--
10836	1	3/16 drive	33/64	--
10981	1	1/4 drive	39/64	--
10858	1	5/16 drive	9/16	--
10859	1	3/8 drive	19/32	--
10982	1	1/8 self tapping	5/8	--
10983	1	1/4-28 self tapping	17/32	--
10984	2	1/4-28 self tapping	7/8	45°
10985	2	1/4-28 self tapping	47/64	90°

HYDRAULIC SELF-TAPPING

- **Tapered drive threads reshape material in a untapped hole providing a leak proof seal.**
- **Installed by spinning or driven straight into untapped hole.**
- **Dyed yellow for identification.**
- **Maximum pressure 10,000 PSI**

STAINLESS STEEL PART NUMBER	STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
---	**10982**	1	1/8 pipe	5/8	--
---	**10983**	1	1/4-28 tapered	17/32	--

STAINLESS STEEL PART NUMBER	STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
---	**10984**	2	1/4-28 tapered	7/8	45°
---	**10985**	2	1/4-28 tapered	47/64	90°

METRIC DIN 71412

STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
532091	1	6mm	13mm	--
532092	2	6mm	21mm	45°
532093	2	6mm	17mm	90°
532094	1	8mm	17mm	--
532095	2	8mm	21mm	45°
532096	2	8mm	17mm	90°
532097	1	10mm	18mm	--
532098	2	10mm	21mm	45°
532099	2	10mm	17mm	90°

STANDARD BUTTON HEAD

STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
10847	3	1/8 pipe	3/4	--
10848	3	1/4 pipe	53/64	--

GREASE FITTINGS

FRACTIONAL


10830


10975


10846


10831


10851


10832


10833


10834


10976


10835


10837


10838


10977


10860


10987


10839


10840


10841


10842


10844


10836


10981


10858


10859

SELF-TAPPING


10982


10983


10984


10985

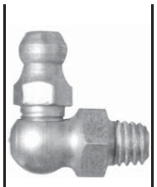

10847


10848

METRIC


532091


532092


532093


532094


532095


532096


532097


532098


532099

B15

PIPE PLUGS - STEEL / BRASS

STEEL PLUGS

For use in oil sumps, compressors, pumps, small engines, transmissions and rears (no gaskets required).



*** Most popular automotive size.**

SIZE/INCHES TAPERED PIPE THREAD	HEX HEAD PART NUMBER	QTY	HEX SOCKET HEAD PART NUMBER	QTY	SQUARE SOCKET HEAD PART NUMBER	QTY
1/4	---	-	**323206**	12	---	-
3/8	---	-	**323207**	12	**323270**	12
1/2	**323203**	12	**323208**	12	**323271***	12
3/4	---	-	**323209**	6	**323272**	6

DIN 906



SIZE//MM TAPERED PIPE THREAD	METRIC HEX SOCKET HEAD PART NUMBER	QTY
18mm x 1.50	**323501**	6
20mm x 1.50	**323502**	6
22mm x 1.50	**323503***	6

***Part No. 323503 fits:**
2000-Up Chrysler/Dodge
Diesel transfer case
NOTE: (2) plugs required per vehicle.

PIPE PLUGS (FRACTIONAL SIZES)



PIPE THREAD SIZE	PART NUMBER	QTY	I.D. NUMBER	MATERIAL	DESCRIPTION
1/2	**323203**	12	090-070	Steel	Hex Head
1/4	**323206**	12	090-026	Steel	Hex Countersunk
1/4	**323206**	12	090-067	Steel	Hex Countersunk (Replaces Square)
1/4	**323206**	12	090-071	Steel	Hex Countersunk (Replaces Square)
3/4	**323209**	6	090-072	Steel	Hex Countersunk
3/8	**323270**	12	090-019	Steel	Square Countersunk
3/8	**323270**	12	090-028	Steel	Square Countersunk
1/2	**323271**	12	090-022	Steel	Square Countersunk
3/8	**508217**	5	090-001	Brass	Square Head - Standard
1/8	**508215**	10	490-070	Brass	Square Head - Standard
1/4	**508216**	10	490-071	Brass	Square Head - Standard
3/8	**508217**	5	490-072	Brass	Square Head - Standard
1/2	**508218**	5	490-073	Brass	Square Head - Standard
1/8	**508261**	10	490-074	Brass	Hex Head
1/4	**508262**	10	490-075	Brass	Hex Head
3/8	**508263**	5	490-076	Brass	Hex Head
1/2	**508264**	5	490-077	Brass	Hex Head
1/8	**510350**	25	090-046	Brass	Hex Countersunk
1/8	**510350**	25	090-065	Brass	Hex Countersunk

WEATHERHEAD® DANA

HYDRAULIC HOSE and FITTINGS



FITTINGS

MUST BE ORDERED IN STANDARD PACKAGES ONLY, NO EXCEPTIONS, OR ORDER WILL BE CANCELLED.
See price list for standard package quantities.

HOSE PACKAGING

- Minimum purchase of hose, 50 foot lengths.
- 250 foot reels will contain no more than three (3) lengths of hose with no lengths shorter than 25 feet. These reels may vary in total length from 225 feet to 300 feet.
- 50 foot boxes will contain no more than two (2) lengths of hose, and the total may vary from 45 to 60 feet.
- 80% of boxed hose will be one piece, with no length shorter than ten (10) feet.

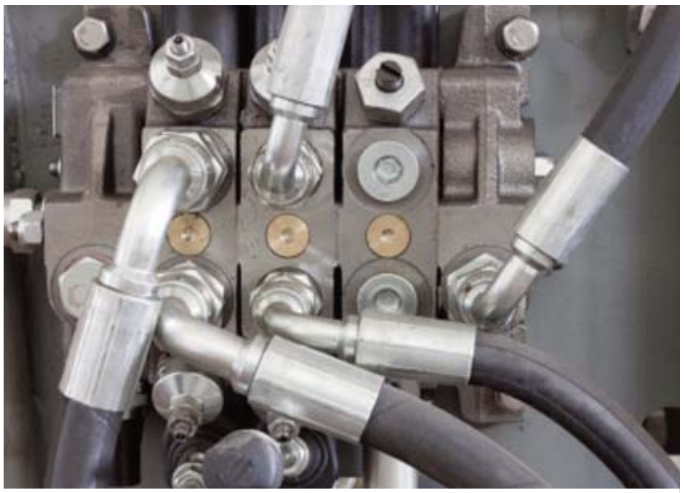
Weatherhead Brand Hydraulic Hose and Fittings.
Order using the *Weatherhead* stock numbers. We ship the same day!

FOR TECHNICAL INFORMATION CALL WEATHERHEAD DIRECT (8 am - 4:30 pm)

1-888-258-0222

ASK FOR PRODUCT PLANNING OR FAX 952-294-2020

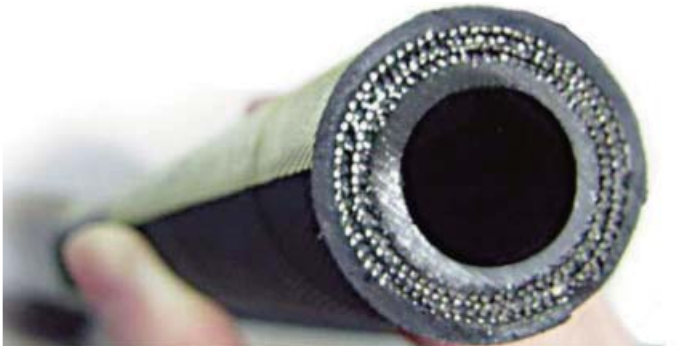
B SECTION FITTINGS/ HYDRAULICS & HOSE



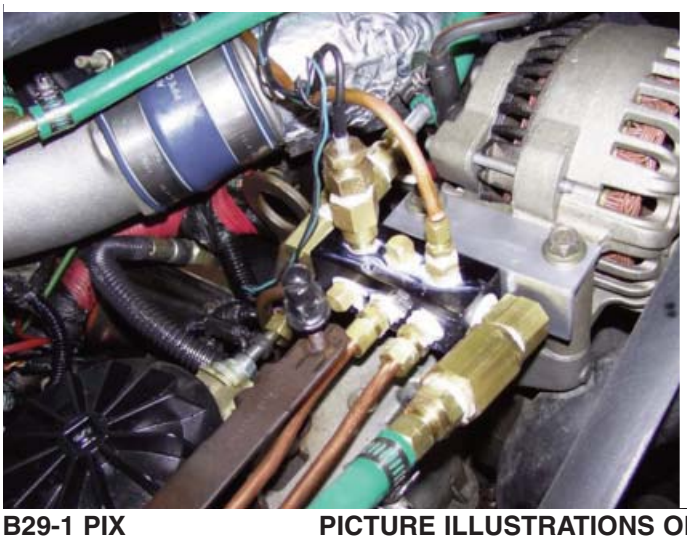














PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.

C - CHEMICALS & PAINT











C10	LUBRICANTS	C10
C11	ADHESIVES/SEALANTS	C11
C12	CLEANERS	C12
C13	PAINTS/COATINGS	C13
C14	SPECIALTY/ACCESSORIES	C14
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C-CHEMICALS & PAINTS

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SPECIAL ION-CHARGED FX FOAMING RUST PENETRANT with Teflon®*



- Penetrates immediately to free rusted parts.
- Long lasting, super thick foam clings to surface.
- Exclusive ion-charged formula that bonds to rust.
- Multi-purpose moly additives prevent future corrosion.
- Removes without damage to your fasteners.
- Long lasting, residual lubrication.

TOP TEN SELLER

NEW & Improved

*Polytetrofluoroethylene ®E.I. Dupont Co.

Part No. 211108 (24)
15 oz. net wt. (425g)

OMNI L/P
Aggressive Lubricant/Penetrant



- Blast through rust, grease and grime.
- Lubricates and quickly frees frozen nuts/bolts.
- Dries wet electrical and ignition systems.
- Non-flammable, non-conductive offers 5,000 volt dielectric strength per ASTMD1816.
- Reduces friction to prevent wear.
- Lubricant provides lasting protection.
- May be sprayed in an inverted position.
- Works better than PB Blaster and Torq CBII.

(PSS100112)

Part No. 211336
15 oz. net wt.

KNOCK'ER LOOSE®
Technican Grade Lubricant/Penetrant



- Concentrated heavy-duty formula penetrates rust and corrosion.
- Leaves behind a long-lasting, fine film lubricant to protect against future corrosion.

Part No. 211589
9 oz. net wt. (255g)

ULTRA SCREWLOOSE®
Super Penetrant

Penetrates through tough rust, gum and corrosion on contact. Loosens seized-up parts.



Part No. 211582 (12)
11 oz. net wt. (CRC05330)

PB BLASTER PENETRATING OIL
Super Concentrated PB Penetrating Catalyst



- Powerful, concentrated penetrant frees rusted and frozen parts.
- Releases surface tension that causes parts to stick.
- Lubricates to protect against future rust and corrosion.
- Displaces moisture.

Part No. 211524 (12)
12 oz. net wt. (339g)

GEL-TAC EXTRA with Teflon

A unique combination of natural & synthetic lubrication agents coupled with a high molecular weight polymer (PTFE).



- Thin like penetrating oil reaches where other can't.
- Quickly sets up to a clear tacky gel. Resists being thrown off, vibration, and being washed off.
- Prevents sticking/freezing of rubber and metal to keep parts moving smoothly & quietly.
- Protective coating prevents rust, corrosion, and resists steam and salt spray.
- Extreme temperature capabilities; -30° F to over +600°F.

(PSS031411)

NEW 360° spray any way valve

Part No. 213162 (12)
13 oz. net wt. (368g)

IMMORTAL PREMIUM LUBRICANT

Advanced formula 100% synthetic lubricant with PTFE Teflon



- Incredible capillary action - spray it on something rusted & it will work its way through the entire part.
- Will not attract dust or dirt.
- Resists other chemicals.
- Stands up to other chemicals and provides long term protection.
- Lubricates and displaces moisture.
- Immortal is guaranteed to outperform the competition!

(PSS060310)

Part No. 211584 (12)
16 oz. net wt. (1lb.) (453g.)

FREEZE & RELEASE

It cracks the layers of rust and corrosion allowing the lubricants to penetrate thoroughly. In as quick as 1 to 2 minutes you can be dismantling your parts so you can get the job done. No need to get your torch out and start burning stuff to try to get a bolt or nut off.



- Shock freezes to (-45°F).
- Quickly releases seized and corroded parts.
- Parts remain lubricated & protected from corrosion.
- Made from mineral oils, silicone free.

Part No. 711746 6
13.52 oz. net wt. (400ml)

Industrial CRC 3-36®

Petroleum-based organic compound.



- A micro-thin continuous film lubricates & protects all metal surfaces without leaving a sticky residue.
- Penetrates, loosening frozen parts.
- Cleans light soils from surfaces, leaving a corrosion-resistant barrier.
- Authorized by USDA for federally inspected meat and poultry plants.
- Equipped with the 360° spray valve for added convenience.

Patented MSDS(L)™ Label!

NOT for use on energized equipment

Part No. 211552 (12)
CRC No. 03005
11oz. net wt. (312g)
(Contents 16 fluid oz.)

MULTI-LUBE 5 IN 1

Outperforms CRC Power Lube, WD-40 and Permatex 5 Way. High Powered Multi-Purpose Lubricant



- Non-flammable formula - safe for use on energized equipment.
- Lubricates all moving parts.
- Penetrates through rust and corrosion.
- Disperses moisture; dries wires & contacts.
- Prevents corrosion; seals out moisture.
- Cleans and degreases parts & assemblies.

TOP TEN SELLER

(PSS060210)

NEW Non-flammable formula

Part No. 211333 (12)
14.75 oz. net wt. (418g)

LUBRICANTS

FOOD GRADE SILICONE LUBE

For use in food processing and handling.



- USDA accepted, conforms to FDA requirements.
- Non-toxic, non-staining, non-corrosive.
- Prevents sticking of plastic parts, rubber, metal, etc.
- Lubricates, seals, protects.
- Does not attract dust or dirt.



Part No. 211309 (12)
9.25 oz. net wt. (274g)

INDUSTRIAL FOOD GRADE SILICONE

Multi-purpose silicone spray lubricant.



- NSF H1 registered for use in meat and poultry plants.
- Harmless to most rubbers and plastics.
- Effective temperature range (-40°F to 400°F).
- Excellent release agent and lubricant for all surfaces.
- Meets FDA regulation CFR 21-178.3570 for incidental food contact.

Patented MSDS(L)™ Label!

Part No. 211587 (12)
CRC No. 03040
10 oz. net wt. (284g)

"STAY" NO-RUN SILICONE

It stays where you spray, even on vertical & metallic/non-metallic surfaces.



- Gel-like formula contains 3 times more silicone than conventional brands.
- Teflon® fortified for EP (extreme pressure) applications passes 1200 lb. PSI falex test.
- High temperature range (-40°F to 450°F).
- Reduces friction and galling, even on metal to metal surfaces.
- Clear, non-staining, odorless and moisture resistant.

Part No. 211458 (12)
11 oz. net wt. (312g)

HEAVY DUTY SILICONE LUBE

Lubricate locks, hinges, lids, cables, moldings, tracks and guides.



TOP TEN SELLER

- Stops friction, squeaks and sticking.
- Won't attract dust or dirt.
- Protects & renews rubber mountings, bushings, weatherstripping & seals.
- Wide effective temperature range (-40°F to 400°F).
- Excellent release agent & lubricant for all surfaces.
- Color: Clear.

Part No. 13106 (24)
12.25 oz. net wt. (347g)

CHAIN AND CABLE FLUID

Thin film penetrating lubricant.



- Lubricates, penetrates and cleans.
- Maintains a moist lasting film.
- Reduces friction.
- Prevents rust and corrosion
- Does not pick up dust or dirt.

Part No. 711760 6
12 oz. net wt. (340g)

EXTRA HEAVY GEAR SHIELD

Extra thick film penetrating lubricant.



- Especially designed for exposed open gears.
- A superior 5th wheel lubricant.
- Lasts longer than conventional lubricants even at high temperatures - up to 370°F.
- Waterproof - will not wash or weather out.

Part No. 711759
14 oz. net wt.

LUBRIPLATE SPRAY LUBE "A"
Multi-Purpose White Lithium Grease

Excellent for latches, locks, hinges, battery terminals and other hardware.



- Sprays like a fluid, congeals to a grease.
- Unaffected by moisture, most chemicals and acids, won't run, wash off or dry up.
- Medium density.
- Excellent where no grease fittings exist, with close tolerance and longer lasting lubrication is desirable.
- Temperature ranges of from -10°F to 275°F.

Part No. 711766 12
11 oz. net wt.

CRC® WHITE LITHIUM GREASE with Teflon®

A high quality multi-purpose grease for automotive, shop, home or farm.



- Contains Teflon for extra lubricity.
- Fights corrosion.
- Any weather or temperature.
- Ideal for metal to metal lubrication.
- Protects machines, tools, and shop equipment.

Part No. 211573 (12)
CRC No. 05037
10 oz. net wt. (284g)

NOT FOR USE ON ENERGIZED EQUIPMENT

MAXI - LUBE
Pure White Lithium Grease with Teflon®*

Special formula provides long lasting lubrication when exposed to water, moisture and low temperatures.



TOP TEN SELLER

- Waterproof - won't wash off - excellent for exposed parts and outdoor use.
- Will not stiffen at low temperatures - stays soft and buttery, even at - 50°F.
- Powerful rust inhibiting & friction reducing formula - made for all metal to metal applications.

Part No. 13113 (12)
15 oz. net wt. (425g)

*Polytetrofluoroethylene® E.I. Dupont Co.

SLIK N' KLEEN DRY LUBE with Teflon®*



- Contains PTFE (Teflon®)
- Replaces "Wet" petroleum base lubricants. Non-oily & staining, will not attract dust or dirt, no residue, leaves a perfectly dry, colorless, solid lubrication film.
- Mold release agent.
- NO silicone.
- Withstands extreme temperatures - from -40° F to + 500°F.
- Lubricant for electronics, aerospace & video equipment, computers, instruments & delicate machinery electric motors.

Part No. 13133 6
11 oz. net wt. (311g)

*Polytetrofluoroethylene® E.I. Dupont Co.

MOLY GEAR AND CHAIN LUBE

- 50% more Moly (molybdenum disulfide).
- Specially formulated with New Hi-EP Grease.
- High degree of "tack" creates excellent adhesion as well as superior "film rupture" healing characteristics.
- Adheres w/o leaving the metal bare after release.
- Highly water resistant. Prevents rust and oxidation.
- **Test Results**

5% salt spray booth ASTM D-117 Passes 3000+ hours & max load of 4500 lbs. - no failure Superior lubrication - anti wear properties.

Falex load / wear test - ASTM D-3233 Torque reading 60.



Part No. 13129 (12)
14 oz. net wt. (396g)

MOLY DRY FILM LUBRICANT

Excellent for casting molds, oven hardware, cams, followers, rollers, chain cable, open gears, threaded fasteners, slides, locks, latches, pins, bearings, press fits, and as a break-in lube.

- Lubricates in very high temperatures, to 750°F.
- Dry molybdenum disulfide fills metal pores, "valleys", scratches & other recesses in the metal surface to create tight adhesion.
- Contains no oil, grease, or graphite.
- Load capacity to 140,000 psi.
- Will not attract dust or dirt.



Part No. 211306 (12)
13 oz. net wt. (368g)

GEAR-KOTE - Heavy Load Lubricant

Outperforms typical HD greases & lubricants.

Prevents wear, fretting and corrosion on heavy load gears & transportation equipment.

- High moly content provides outstanding EP (extreme pressure) lubrication.
- Extreme temperature protection from -40F to +700°F.
- NEW, "Thin Film" characteristics require less lubricant.
- Passes 1000 hours ASTM D-117 5% salt spray test.
- Will not wash out or attract dirt and grime.



Part No. 211460 (12)
15 oz. net wt. (425g)

RED GREASE

High temp, extreme pressure, red grease in an aerosol.

Sprays like a liquid, penetrates deep & sets up to a full-bodied heavy-duty grease in seconds.

- Holds together under extreme pressures and high shock loads. Superior quality petroleum base, lithium complex grease.
- Adheres to hot surfaces - will not breakdown, harden or separate under heat, even up to +450°F.
- 100% waterproof.
- Outperforms all lithium greases.

TOP TEN SELLER



Part No. 211313 (12)
11 oz. net wt. (312g)

INDUSTRIAL FOOD GRADE CHAIN LUBE

Blend of synthetic lubricants and mineral oil to keep roller drive and conveyor chains lubricated. Penetrates, lubricates and protects moving parts by reducing friction and wear.

- NSF H1 rated for incidental food contact.
- Transparent Water-White Liquid appearance with no odor.
- Working temperature 8 to 325°F.
- >370°F flash point.
- Non-drying film.

Patented MSDS(L)™ Label!



Part No. 211308 (12)
CRC No. 03055
12 oz. net wt. (340g)

BLASTER GDL GARAGE DOOR LUBE

Powerful garage door lube - high performance formula.

- Use on commercial garage doors, fleet & tractor trailer door service, overhead doors, hinges, cables, chains, springs, bearings, bushings, door tracks, worm gears.
- Leaves a dry, tack-free film. Non-staining long lasting formula, will not evaporate.
- Prevents rust, corrosion, squeaking, & sticking problems. Lubricates & protects to extend the life of equipment.
- NO ozone depleting chemicals.



Part No. 211518 (12)
9.3 oz. net wt. spray can

PREMIUM GARAGE DOOR LUBE

- Advance, high-performance, corrosion-protecting lubricant generously fortified with silicone and PTFE for superior friction-reducing lubrication.
- Foaming action penetrates deep to promote smooth operation for rollup doors, automatic garage door, drive chains and any exposed metal surfaces subject to severe loading.
- 200°F flash point.
- Non-drying film.



Part No. 211640 12
CRC No. 05032
10 oz. net wt.

WD-40® SMART STRAW

The can that has a 1,000 uses almost anywhere now has a flip up straw connected.

- Non-conductive and can be used to dry out electrical equipment.
- Loosens rusted parts & frees sticky mechanisms.
- Never lose the straw again.
- Stops squeaks.
- Cleans & protects.
- Drives out moisture.





Part No. 211556 (12)
WD No. 110078
11 oz. net wt. (311g)

CRC® POWER LUBE

Multi-purpose lubricant.

- Plastic safe...will not damage modern plastics like ABS, NORYL and LEXAN that are found in cars, work shops, plants, offices and farms.
- Odor free...will not offend customers when sprayed inside vehicles.
- Contains no CFC's.
- Spray in any position valve.



Part No. 211571 (12)
CRC No. 05005
9 oz. net wt. (255g)

GRIP-N-GREASE - Multi-Purpose Lubricant

Provides superior protection and lubrication.

- Lubricates a wide variety of applications.
- Contains corrosion & oxidation inhibitors.
- Excellent in both high & low temperatures.
- PTFE particles extend equipment life, reduces maintenance cost & lubrication intervals.
- Significantly reduces friction.
- Resists water washout.
- Great for corroded, rusted & frozen parts.
- Seals out moisture.

(PSS010417)

NO CFC's

MADE IN THE U.S.A.



Part No. 211399 (12)
9 oz. net wt. (255g)

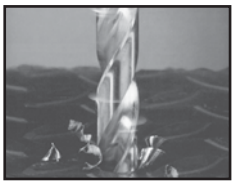
LUBRICANTS

TOOL COOLANT

A fast acting coolant that extends the life of drill bits, taps, mills and reamers.



- Quickly eliminates heat at it's source.
- Insures clean and smooth cuts.
- Does not burn and decompose.
- Non-flammable.
- No sticky residue.



Part No. 211226 12
18 oz. (1 lb. 2 oz.) net wt. (510g)

METAL-ICE CUTTING FOAM

Excellent when tapping, reaming, drilling & threading.



- Foaming action stays on cutting area - Foam runs up drills keeping them cool while continuing to feed cutting area. Eliminates dripping, messy oil and cleanup.
- Increases tool life up to10 times longer than ordinary oils.
- Reduces thermal expansion creating more accurate hole sizes.

TOP TEN SELLER

Part No. 811244 (12)
16.75 oz. net wt. (474g)

NOT RECOMMENDED FOR ALUMINUM

LUBRIPLATE AIR TOOL LUBRICANT



Recommended for rotor and reciprocating types of air tools. Apply daily, or use an automatic lubricator in air system.

- Prevents build-up of moisture, contaminants, sludge & varnish when used on a regular basis.

Part No. 711768
32 fl. oz.

CUTTING FLUID

Recommended for use on all types of metal cutting, tapping, drilling, reaming and associated applications.



- Super concentrated.
- No run formula.
- Extends tool life.
- Yields a super smooth machined finish.

Part No. 811250
4 oz. net wt.

BLASTER AIR TOOL CONDITIONER

Rejuvenates "DEAD" air tools.



- Dissolves sludge, varnish and calcium.
- Restores original RPM's.
- Reduces maintenance time.
- Extends air tool life.

Part No. 211104 (12)
12 oz. net wt. Aerosol

TAPMATIC CUTTING FLUID

For tapping, drilling, reaming, threading, finishing and boring.



- Available in one formulation, for all metals including aluminum.
- Penetrates to the cutting edge of the tool.
- Produces finer chips and superior surface finish, without galling or friction.
- Built-in spout tops on both size cans.
- Contains no ozone depleting chemicals.

PART NUMBER	CONTAINER SIZE
811240	4 oz. can
811241	16 oz. can

LOCK EASE Graphited Lock Fluid



- Seals out moisture, protects against freeze-up.
- Prevents sticking, guards against rust & corrosion
- Graphite formula will not gum up.
- Leaves a penetrating, protective coating.

Part No. 211343
3.5 oz. net wt. Aerosol

WHITE LITHIUM GREASE

Recommended for gear shift mechanisms, chain and sprockets, motor assembly, tools, machinery, etc.



- Available in sizes to fit all shop needs.
- Keeps surfaces friction free.
- Non-toxic, non-flammable, non-staining.
- Temperature range, - 30°F to +170°F.
- Withstands moisture, protects against rust.

PART NUMBER	NET WEIGHT	CONTAINER
711756	1-3/4 oz.	tube
211131	10 oz.	tube
211132	16 oz.	tub

CUT-EASE STICK LUBRICANT

Use on grinding wheels, bandsaw blades, saw blades, end mills, and drills.



- Cut-Ease is a blended wax stick used where circulating lubricants are not used.
- Non-staining.
- No solvent waste disposal.
- Provides smoother cuts.
- Stops binding.
- Reduces loading.
- Extends wheel life.
- Eliminates heat build-up.
- Used on aluminum, ferrous and non-ferrous metals, plastic and more.
- Push button tube.

Part No. 211516
1 lb.

MULTI-PURPOSE LITHIUM GREASE

Recommended for chassis, universal joints and general purpose use.



- Long lasting, hard working formula.
- Delivers high performance in a wide range of heavy-duty applications.
- Best for lubricating rolling parts.

Excellent for most metal to metal contact points!

Part No. 211455 10
14 oz. net wt. cartridge

LUBRIPLATE 630AA
Multi-Purpose Lithium Grease



- High film strength.
- Exceptional resistance to water & steam.

Grease type: lithium
NLGI grade: 1
Worked penetration @ 77°F: 310/340
ASTM drop point: 380°F
Approx. cold test: 0°F
Anti-wear / extreme pressure rated.
Rust and oxidation & lubricity additives.
Water resistant.

Part No. 711751
6 lb. can

LUBRIPLATE 1200-2 Multi-Purpose Grease

An excellent, heavy-duty multi-purpose grease.



- Provides high film strength, great shear stability.
- Color: beige.

Grease type: lithium
Worked penetration @ 77°F: 265/295
ASTM drop point: 400°F
Approx. cold test: -25°F
Anti-wear / extreme pressure rated.
Rust and oxidation & lubricity additives.
NLGI grade: 2 Water resistant.

Part No. 711762 10
14.5 oz. net wt. cartridge

LUBRIPLATE 630-2 Multi-Purpose Grease



- Reduces need for wide range of grease inventories.
- Exceptional resistance to water, steam and adverse conditions.
- Color: Off White.

Grease type: lithium
Worked penetration @ 77°F: 265/295
ASTM drop point: 380°F
Approx. cold test: 0°F
Anti-wear / extreme pressure rated.
Rust and oxidation & lubricity additives.
NLGI grade: 2 Water resistant.

Part No. 711761 10
14.5 oz. net wt. cartridge

LUBRIPLATE FGL-1
Food Machinery Lubricant

USDA approved H-1 lubricant for use on equipment as a lubricant or anti-rust film.



- Multi-functional for high or low speed, high or low temperatures and a wide range of loads.
- Resistant to water, steam, corrosive acids.

Grease type: aluminum complex
Worked penetration @ 77°F: 310/340
ASTM drop point: 460°F
Approx. cold test: 0°F
Rust and oxidation & lubricity additives.
NLGI grade: 1 Anti-wear rated.

Part No. 711776 10
14.5 oz. net wt. cartridge

LUBRIPLATE MO-LITH NO. 2



- Molybdenum DiSulfide actually penetrates metal pores for long lasting protection.

Grease type: moly/lithium
NLGI grade: 2
Worked penetration @ 77°F: 265/295
ASTM drop point: 360°F
Approx. cold test: -10°F
Anti-wear / extreme pressure rated.
Water resistant.
Rust and oxidation & lubricity additives.

Part No. 711763 10
14.5 oz. net wt. cartridge

LUBRIPLATE 1242 Extreme Pressure

For heavy pressure and shock loads.



- Extreme pressure grease.
- Non-corrosive.
- Highly water resistant & tacky.

Grease type: lithium polymer
Worked penetration @ 77°F: 265/295
ASTM drop point: 425°F
Approx. cold test: 15°F
Anti-wear / extreme pressure rated.
Rust and oxidation & lubricity additives.
NLGI grade: 2 Water resistant.

Part No. 711771 10
14.5 oz. cartridge

LUBRIPLATE 1444
Heavy Duty Tacky Grease

Thick, tacky grease, specially formulated for use on heavy duty equipment.



- Creates a tight seal.

Grease type: aluminum complex / polymer
Worked penetration @ 77°F: 265/295
ASTM drop point: 500°F
Approx. cold test: 10°F
Anti-wear / extreme pressure rated.
Rust and oxidation & lubricity additives.
NLGI grade: 2 Water resistant.

Part No. 711775 10
14.5 oz. net wt. cartridge

LUBRIPLATE 3000
Heavy Duty Tacky, Moly Grease



- Provides durable, tenacious, adhesive film to protect against water, rust and corrosive contaminants.
- Color: Black.

Grease type: moly / lithium
Worked penetration @ 77°F: 265/295
ASTM drop ooint: 450°F
Approx. cold test: 0°F
Anti-wear / extreme pressure rated.
& lubricity additives.
NLGI grade: 2 Water resistant.

Part No. 711769 10
14.5 oz. net wt. cartridge

LUBRIPLATE
GEAR SHIELD EXTRA HEAVY

Designed for low speed open gears.



- Tacky.
- Temperature range 10°F to 275°F.

Grease type: lithium
NLGI No.: 3
Worked penetration @ 77°F: 235/260
ASTM drop point: 370°F /188°C
Approx. cold test: 0°F/-18°C
Mineral oil viscosity
SUS @ 210°F: 200+
cSt @ 100°C: 40+

Part No. 711767 (10)
10 oz. net wt. caulk

LUBRIPLATE HIGH-TEMP GREASE

Excellent for asphalt manufacturing and paving.



- This non-melt type grease is workable from approximately 40°F to 450°F and up to 550°F for short intervals.

Type of thickener: inorganic gelling agent
Worked penetration @ 77°F: 265/295
ASTM drop point: non-melt type (500+)
Mineral oil viscosity
SUS @ 100°F: 2600
SUS @ 210°F: 155
cSt @ 40°C: 497
cSt @ 100°C: 32
Flash point: 580°F/ 304°C
Color: beige

Part No. 711773 (10)
14.5 oz. net wt. cartridge

LUBRICANTS

DO NOT USE IN OXYGEN GAS SERVICE.

NEVER•SEEZ® ANTI-SEIZE COMPOUNDS



- Doesn't burn or wash off in water.

Temperature resistance: -297° to 1800°F
Particle size: 2 mil. maximum
Specific gravity: 1.23 to 1.29
Worked penetration: 260-350
Coefficient of friction @ 167°F: .057-.063
Coefficient of friction, k factor: .130
Pressure properties: 32,000 psi
Falex test: 750 lbs.

PART NUMBER	DESCRIPTION	QTY
211548	8 oz. net wt. brush top	12
211595	16 oz. net wt. brush top	12
211549	12.5 oz. net wt. aerosol	12

NON METALLIC ANTI-SEIZE



- Premium grease/calcium/graphite blend.
- Contains NO copper, lead, nickel, zinc or any other metals.
- Can safely be used on all types of metals including stainless steel & other sensitive alloys where copper is prohibited.
- Recommended by auto manufacturers for use on sensor threads to minimize false readings.
- Withstands temperatures up to 2000°F.

Part No. 211305 6
8 oz. net wt. (227g) brush top container

COPPER ANTI-SEIZE



Recommended for use on carbon steel, industrial and oil field connections, spark plugs, head bolts, exhaust bolts and slides.

- Premium copper/graphite blend.
- Contains NO lead, zinc or nickel.
- Withstands high torque and temperatures up to 2000°F.
- Excellent water and corrosion resistance.

Part No. 211307 6
8 oz. net wt. (227g) brush top container

PERMATEX® ANTI-SEIZE LUBRICANT



A highly refined blend of aluminum, copper and graphite lubricants. Use during assembly to prevent galling, corrosion and seizing. Anti-Seize assures easier disassembly. Temperature range: -60°F to 1600°F (-51°C to 871°C). Salt, corrosion and moisture resistant – ideal for marine use.

Part No. 812383
8 oz. brush-top bottle

Suggested Applications:
For easy removal of spark plugs, cylinder head and exhaust head bolts.

GENERAL PURPOSE ANTI-SEIZE



For easy removal of all machinery and equipment fasteners.

- Highly refined blend of aluminum, copper and graphite.
- Contains no lead.
- Temperature range: -252°F to 2,100°F.
- Pressure rating: up to 15,000 p.s.i.
- Water & steam proof, non-flammable.
- Prevents rust, corrosion, seizing & galling.

Part No. 211318 (12)
8 oz. net wt.
brush top container

Part No. 211413 (12)
15 oz. net wt. (368g)
aerosol

COPPER ANTI-SEIZE



- Premium quality lubricant, compatible w/others.
- Protects parts from galling, seizing and galvanizing action.
- Will not melt, gum or harden.
- High extreme pressure capability.
- High temperature to 2000°F.
- Provides a barrier to seal out water and protects against rust, corrosion & harsh environments.

NO CFCs

(PSS021416)

Part No. 444106
14 oz. net wt. aerosol

USE ON:
Nuts, bolts, studs, fittings, bushings, bearings, pistons, machine parts, flanges, threaded surfaces & more

LUBRIPLATE MAG-1



- Multi-functional, non-corrosive grease.
- Provides long lasting, extreme pressure lubrication in extremely wide temperature range.

Grease type: lithium / polymer
NLGI grade: 1
Worked penetration @ 77°F: 310/340
ASTM drop point: 375 °F
Approx. cold test: -60°F
Anti-wear / extreme pressure rated.
Water resistant.
Rust & oxidation & lubricity additives.

Part No. 711774 10
14.5 oz. net wt. cartridge

ULTRA-PLEX PREMIUM RED E.P. GREASE



Specially formulated all purpose grease with extreme pressure and anti-wear additives.

- Excellent adhesive and cohesive properties
- Resists acids, weather, dirt, saltspray, steam and oxidation.

Grease type: polymer
NLGI grade: 2
Worked penetration @ 77°F 250-270
ASTM drop point: +550°F
Timkin OK load: 65lb
Water resistance: Excellent
USDA category: H2

Part No. 211332 24

"24 K" GOLD Non-Melt, All Purpose Grease



Outperforms ordinary greases

Most fleet/industrial applications including 5th wheels.

Grease type: inorganic polymer
NLGI grade: 2
Worked penetration @ 77°F: 370/410
Approx. cold test: 0°F
Anti-wear / extreme pressure rated.
Water resistant.
Rust & oxidation & lubricity additives.

PART NUMBER	DESCRIPTION	QTY
211322	14.5 oz. net wt. cart.	24

- Timken 65 lb. rating.
- Eliminates varied grease inventories.

MOTOR ASSEMBLY GREASE

The motor grease recommended by mechanics



For engine bearings, cylinder walls, piston rings — all moving internal parts.

- Provides critical start-up lubrication until oil begins flowing.
- Prevents scoring and scuffing.
- Insures proper initial break-in.
- Temperature range: - 30°F to 170°F.

Part No. 711765 6
10 oz. net wt. (28.3g) tube

DIELECTRIC SILICONE GREASE

- Seals and lubricates electrical connections and contacts.
- Prevents boots from bonding to spark plug.
- Seals out moisture, prevents arcing.
- Lubricates and waterproofs from -70° F to +400°F.

TOP TEN SELLER

PART NUMBER	DESCRIPTION
13149	.33 oz. Tube
13148	5 oz. Tube
13144	7.25 oz. Aerosol Piston-Pressurized Can



SIL-GLYDE SILICONIZED GREASE

Hi-Temp Lubricating Compound

- Contains silicone.
- For use on rubber, metal, hinges, brake parts, etc.
- Excellent temperature resistance, -20°F to + 400°F.
- Unlimited uses in shop, fleet, auto or home.
- Lubricates, silences, freezeproofs and weatherproofs.



Part No. 211367
4 oz. net wt. tube

Part No. 211368
8 oz. net wt. tube

3M SILICONE PASTE CLEAR

A non-hardening, water resistant, 100% solids, silicone based compound designed to serve as a dielectric compound.

- Lubricates & conditions rubber products.
- A high viscosity paste that remains in place.
- No potentially harmful solvents.
- It seals out contaminates & elements that lead to oxidation and corrosion or it can be spread out thin to leave behind a virtually unnoticeable film.



Part No. 908946
8 oz. net wt. (227g) brush top container

CERAMIC EXTREME BRAKE PARTS LUBRICANT

Use on long and short bolts, caliper pins bushings, sleeves, pistons, inboard and outboard pad backing plates.

- Temperature range -65°F to +2,800°F.
- Outperforms ordinary caliper greases.
- 100% synthetic, environmentally safe.
- Prevents long bolt and sleeve seizing.



100% SYNTHETIC FORMULA

Part No. 813267 6
Permatex No. 24125
8 fl. oz. net wt. (236ml) brush top

PERMATEX® DIELECTRIC TUNE-UP GREASE

Marine and automotive electrical connections, spark plug boots, trailer hitches and battery terminals.

- Protection from salt, dirt and corrosion.
- Extends the life of bulb sockets.
- Prevents voltage leakage and spark plugs from fusing to boots.
- Required for modern high energy ignition systems.



Part No. 812229
3 oz. net wt. tube

PERMATEX® ULTRA DISC BRAKE CALIPER LUBE

- Environmentally - friendly.
- Non-melting, synthetic formula.
- Green color.
- Provides lubrication in the most adverse conditions.
- Use on caliper pins, sleeves, bushings and pistons.
- Pistons remain lubricated throughout pad life.



Part No. 812281 (6)
8 fluid oz.

SYNTHETIC BRAKE CALIPER GREASE

- Prevents vibration and squeal.
- Stops rust and corrosion.
- Keeps sliding parts free and working.
- Will not harm rubber.
- Withstands high operating temperatures, to +500°F.
- Will not run, cake or cause build-up.
- Black color.

TOP TEN SELLER



Part No. 211406 6
12 oz. net wt. can with applicator brush

LUBRIPLATE WHEEL BEARING GREASE

For use on cars, trucks, trailers, construction, farm and maintenance equipment.

- Water repellent.
- Suitable for disc or drum brake wheel bearings, axle and other shaft type bearings.
- Temperature range: -10°F to +400°F.



Part No. 711752
14 oz. net wt. can (397g)

LUBRIPLATE BOAT TRAILER WHEEL BEARING GREASE

All marine applications: motors, shafts, winches, hitches, etc.

- Designed to withstand fresh and salt water.
- Extremely high film strength.
- Temperature range: -10°F to +400°F.
- Will not wash out of bearings.



Part No. 711770 10
14 oz. net wt. can (397g)

FOOD GRADE PENETRATING OIL with PERMA-LOCK®

- An effective & efficient general purpose penetrant for use on food processing equipment.
- The highly refined white mineral oil is colorless, odorless & tasteless to meet NSF/FDA standards.
- Can be used to loosen rust, scale and corrosion around fasteners & hose fittings on food processing equipment.
- Working temp 32 to 300°F.
- 200°F flash point.
- Thin, oily, non-drying film.



Part No. 211638 12
CRC No. 03086
11 oz. net wt.

LUBRICANTS

FREEWHEEL LUBRICANT



"Thin Film" laminated film lubricant. Outperforms all conventional 5th wheel grease.

- Will not wash out, especially resistant to salt water, and will not attract dirt or gravel.
- Resists squeeze-out under load, reduces wear on 5th wheels.
- Penetrates and frees rusted sliders.
- Creates a cleaner, safer, easier steering rig, makes lane switching and turns smooth.

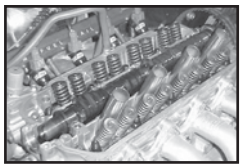
Part No. 211461 (12)
15 oz. net wt. (425g)

COST LESS TO USE THAN GREASE

VALVE / O-RING LUBE and SEAL



Part No. 711745
5.3 oz. net wt. tube



- For general o-ring/valve lubrication.
- A heavy translucent white coating paste with a high dielectric strength to block out moisture & oxidation.
- Used on sanitary, butterfly, gate, ball, automated valves and anywhere rubber or plastic o-rings are used for pump packing or vacuum or pressure systems.
- Temp. range -40°F to 400°F.
- **Authorization:** NSF5&61 FDA21 CFR175 300

NO SMOKE TWO STROKE



- Low deposit formations.
- Anti-corrosion performance.
- Superior performance with unleaded gas.
- Incredible anti-seizure protection.
- Remarkably less exhaust port clogging.
- Significantly less piston scuffing.
- Reduced down time & increases engine life.

PART NUMBER	FLUID OZ	DESCRIPTION	QTY
211212	2.6.	mix in 1 gal. of gas	24
211213	6.4	mix in 2.5 gal. of gas	24

TRANS FLUSH COOLER FLUSH KIT



Specifically formulated to prevent automatic transmission cooler contamination (metal shavings, sludge, etc.) by propelling a biodegradable cleaner through the transmission cooler & lines with 90 lbs. of pressure. Trans Flush's patented technology is the **#1 Selling Cooler & Line Flusher Worldwide. Trans Flush** is ideal for installers as well as lube shops and repair shops.

#1 SELLING Worldwide

Part No. 211495 12
18 oz. net wt. (510g)

3-IN-ONE MULTI-PURPOSE OIL



- Specially formulated lubricating oils.
- Lubricates, cleans & prevents rust.
- Easy-to-use drip spout provides exact application, no overspray or splatter.

5" Telescoping Spout, Part No. 211545
5 fl. oz.

SYNTHETIC HIGHLY FRICTION MODIFIED ATF SUPPLEMENT



BLACK BOTTLE - Converts Dexron III®/ Mercon® fluid into a highly friction modified fluid. Eliminates the need for Honda®, Toyota®, Chrysler® 7176 fluid & other highly friction modified fluids, therefore enabling users to stock one fluid type. **Smart Blend HFM** ATF also has the same benefits of **Smart Blend** "Red" ATF protectant.

#1 SELLING Worldwide

Part No. 211492 12
10 oz. net wt. (296ml.)

SYNTHETIC AUTO. TRANS. FLUID D-VI SUPPLEMENT



PURPLE BOTTLE - Converts Dexron III®/ Mercon® Automatic Transmission Fluid (ATF) into a highly stable fluid as DEXRON VI®. STOPS torque converter shudder instantly. Extends frictional stability and fluid life. Creates longer service intervals. Softens hard shifts. Eliminates the need for stocking muliple OEM fluids.

For Use In ALL GM Apps.

Part No. 211500 12
10 oz. net wt. (296ml.)

SNOW PLOW OIL



- Improved formula hydraulic fluid.
- Blue non foaming anti wear formula with anti-freeze additive protects to extreme conditions down to (-50°F).

Replaces: Meyers® 15134 Western49311 Fisher® 28531, Sno-Way® 96005029

Part No. 711797
32 oz. net wt.



BRAKE CYLINDER ASSEMBLY FLUID



For reassembly of master cylinders, disc and drum brake cylinders & other hydraulic parts.

- Eases rebuilding, assembly and overhauling of hydraulic parts.
- Does not absorb moisture. Prevents rusting of cylinder walls and internal parts during storage.
- Apply to all surfaces; pistons, boots, seals, springs, rubber caps, shims and cylinder walls.

Part No. 211412
8 fluid oz.

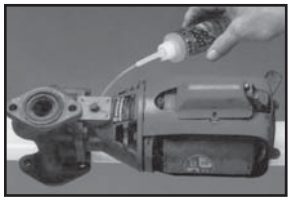
CAUTION: Do not use as a brake fluid substitute or additive.

THE ORIGINAL ZOOM® SPOUT OILER



- Premium grade, all purpose, turbine grade lubricating oil.
- Use on rotating and reciprocating equipment, bearings, motors, and slides.
- Flexible zoom spout extends 7" for difficult to reach areas.

Part No. 211515
4 fl. oz.
(PSS112013)



LUBRICANTS

LUBE TUBE MULTI-PURPOSE LUBRICANT

Can be used on ferrous and non-ferrous metals, aluminum gates and risers, plates and extrusions.



- Biodegradable, non-toxic & non-staining.
- Extreme pressure lubricant - prevents the build-up of frictional heat.
- Designed to be applied to band saws and other cutting tools - improves overall tool life and productivity when sawing, drilling, milling, grinding, threading and tapping.

(PSS111817)

Part No. 211512
14.5 oz. (411.1 grams)

C SECTION CHEMICALS & PAINTS









ADHESIVES and SEALANTS

R.T.V.* SILICONE SEALANT

The most versatile maintenance material that never hardens and seals indefinitely.



- Adheres to virtually any surface...metal, glass, wood, rubber, ceramic, plastic, paint.
- Great for fastening, insulating, caulking, weatherproofing, gasketing, bonding and sealing.
- Cures at room temperature.
- Surface Cure: 1 hour Full Cure: 24 hours
- Seals against water, air, chemical, oil and grease.
- Excellent weatherability & extreme flexibility — will not crack or harden.
- Standard cure: Not for use on or near engine sensors.

Seals • Caulks Bonds • Insulates

* Room Temperature Vulcanizing

– One Part Silicone – No Mixing – No Waste –

COLOR	10.3 oz. CARTRIDGE	QTY	7.25 oz. AEROSOL	QTY	3 oz. TUBE	QTY	TEMPERATURE RANGE
Clear	**812325**	6	**812377**	6	**812335**	3	-80°F to +500°F
White	**812326**	6	**812389**	6	---		-80°F to +500°F
School Bus Yellow	**812329**	6	**812399**	6	---		-80°F to +500°F

R.T.V.* "MAKE-A-GASKET" SILICONE SEALANTS

THE BEST "MAKE-A-GASKET" SILICONE AVAILABLE... WITH A DISPENSING SYSTEM FOR ALL APPLICATIONS

Use on exhaust manifolds, flanges, axle covers, oil pans, water pumps, valve and solenoid covers, intake manifolds, timing gear covers, thermostat housings, and as a body seam sealer. Also insulates electrical wiring.

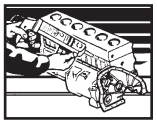


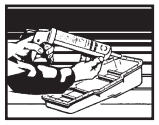
- Non-corrosive - Safe on aluminum.
- 15 minute cure - Allows immediate assembly.
- Low volatile - Low odor.
- Improve flexibility - Will not harden.
- Improved resistance to oil, grease, water, anti-freeze, and transmission fluid.

Oxygen Sensor Safe

R.T.V. 600° HI-TEMP RED

PART NUMBER	SIZE	QTY
812323	10.3 oz. cartridge	6
812359	7.25 oz. aerosol	6





R.T.V. BLUE

PART NUMBER	SIZE	QTY
812324	10.3 oz. cartridge	6
812349	7.25 oz. aerosol	6

TOP TEN SELLER

* All 3 oz. tubes are high-temp rated at 600°F

R.T.V. BLACK

PART NUMBER	SIZE	QTY
812333	* 3 oz. tube	12
812328	10.3 oz. cartridge	6
812369	7.25 oz. aerosol	6

Meets O.E.M. Volatility Specs. for Oxygen Sensor Equipped Engines

R.T.V. ALUMINUM

PART NUMBER	SIZE	QTY
812376	* 3 oz. tube	3
812327	10.3 oz. cartridge	6
812379	7.25 oz. aerosol	6

Out performs Permatex, 3M and other Major Brands . . .and it costs less!

* Room Temperature Vulcanizing

TUBE - GRIP™ DISPENSER HANDLE

For improved handling and dispensing of RTV silicone or other materials supplied in a flexible tube. (accepts max. tube width of 2-1/2")

- Faster application and less clean up – saves time!
- Applies the precise amount in a controlled bead at the exact spot needed – Saves material! No waste!
- Empties tubes completely; get as much as 35% more material from a tube – Saves money!



Part No. **812375**

LOCTITE® SILICONE POWER CANS

Loctite® brand Silicones now come in a new dispensing system, specifically designed for easy application with fingertip control.

- Easy to use, ergonomic, fingertip control.
- Extrudes in a more accurate, constant, steady bead.
- Silicone and dispense system in one – no caulking gun required.
- Attached nozzles- no more searching for dispensing nozzles!
- VOC-free propellants.



Loctite® Superflex® RTV Silicone Adhesive/Sealant
190 ml Aerosol - General purpose, indoor/outdoor sealant

PART NO.	COLOR	TACK-FREE	FULL STRENGTH	TEMP. RANGE
40481	Clear	30 minutes	24 hours	-65°F to 450°F
40464	Black	30 minutes	24 hours	-65°F to 450°F
40466	White	30 minutes	24 hours	-65°F to 450°F

Loctite® Superflex® Red High Temp RTV Silicone Gasket Maker
190 ml Aerosol - High temp. gasket maker or dressing

PART NO.	TACK-FREE	FULL STRENGTH	TEMP. RANGE
40465	30 minutes	24 hours	-75°F to 600°F Intermittent

Loctite® 587™ Blue High Performance RTV Silicone Gasket Maker
190 ml Aerosol - Forms tough, flexible gaskets directly on the flange

PART NO.	TACK-FREE	FULL STRENGTH	TEMP. RANGE
40462	30 minutes	24 hours	-75°F to 500°F Intermittent

Loctite® 598™ Black High Performance RTV Silicone Gasket Maker
190 ml Aerosol - Forms tough, flexible gaskets directly on the flange

PART NO.	TACK-FREE	FULL STRENGTH	TEMP. RANGE
40463	30 minutes	24 hours	-75°F to 625°F Intermittent

Loctite® 5699™ Grey High Performance RTV Silicone Gasket Maker
190 ml Aerosol - Flange sealing with excellent oil resistance

PART NO.	TACK-FREE	FULL STRENGTH	TEMP. RANGE
40505	30 minutes	24 hours	-75°F to 625°F Intermittent

SILICONIZED ACRYLIC LATEX CAULK

Acrylic base is resistant to oxidation & U-V rays

- Does not require priming. Can be painted with latex or oil-base paints.
- Paintable and easy cleanup.
- Mildew resistant and waterproof.
- Non-staining, non-yellowing, odor free.
- Excellent adhesion to aluminum, wood, concrete, glass, ceramic tile, etc.
- Interior or exterior use.



Part No. **211431** (12)
10.5 fl. oz. cartridge / Color: White

ADHESIVES and SEALANTS

(PSS111116.211420.22.40.42) (PSS111116.211438.439) (PSS111116.211244-447)

E-6000™ HIGH STRENGTH SYNTHETIC ADHESIVE/SEALANT

Bond porous & non-porous substrates: metal, wood, plastics, tile, glass, fiberglass, concrete, brick, rubber, canvas, leather, vinyl and fabric.



- Eliminates the need for any other glue, epoxy, silicone, rubber cement or patch kit.
- Extremely flexible, even underwater.
- Non-corrosive.
- Self-leveling (also non-slump for verticals and overhead).
- Paintable, both oil and water base paints.

TECHNICAL SPECIFICATIONS

Hardness: 75 to 85 Shore A
Elongation: 700%
Recovery at 300%: 95%
Temperature range: -120°F to 210°F
Tensile strength: 2,900 PSI
Cure time: 8 hours as a sealant - 24 hours as an adhesive at 70°F, faster when warmer, slower when cooler.

PRODUCT	PART NUMBER / COLOR				QTY
E-6000 Self-Leveling	Clear	White	Black	Gray	
Tubes 3.7 fl. oz.	**211420***	**---**	**211422**	---	6
Cartridges 10.2 fl. oz.	**211440***	**---**	**211442**	---	6
E-6100 Non-Slump					
Cartridges 10.2 fl. oz.	**211444**	**211445**	**211446**	**211447**	6
UV-6800 UV Stable					
Tubes 3.7 fl. oz.	**211438**	**---**	**---**	---	6
Cartridges 10.2 fl. oz.	**211439**	**---**	**---**	---	6

*E-6000 Clear is not UV stable, for outdoor applications use UV-6800.
All E-6000 colors are UV stable.

LIQUID ELECTRICAL TAPE



- Virtually seals out all moisture, dirt and corrosion in tight places that can't be reached with ordinary tape.
- Sticks to metal, rubber, vinyl & plastic.
- Forms a tough, flexible, black coating that dries at room temperature in just.
- Will not become brittle and crack like similar PVC based competitive brands.

Part No. 211211 (12)
4 fl. oz. / Brush-on applicator lid.

Q-BOND FAST BONDING ADHESIVE

One of the finest products for repairing various types of breaks, cracks and other damages to a wide range of items.

(SMP070108)



BLACK POWDER
• Bumpers • Grills • Radiators •
• Electrical Switches • PVC Pipes •
• Hand Tools • Waterbottles • Appliances •

GREY POWDER (Aluminum)
• Metal Casings •
• Small Engines up to 180ºC •
• Computers & Office Equip. •
• Carburetors (Oil & Gas Resistant) •

Part No. 204050
2 x 10ml Q-Bond Adhesive
1 x Grey Powder
1 x Black Powder

HANDI-FOAM EXPANDING SEALANT

Industrial quality. Expands 3 times its volume.

- Super light weight, non-toxic, waterproof.
- Expands as it cures. Will not crack or peel away.
- Dries to the touch in 20 minutes, can be shaped in 2 hours.
- Insulates pipes, patches leaks, seals.
- Easily drilled, sanded or cut. Accepts any paint, lacquer or plaster.

Part No. 811225 6
Contents Net Weight 12 oz. (340g)

NOTE: This can must be inverted during use to properly dispense the foam.

LEAK LOCK®

- A resin based brushable paste which remains permanently flexible, adheres to internal surfaces and fills voids.
- Ideal for metal and plastic materials subject to extreme vibrations. Seals a broad range of chemicals.
- Effective in temps. from -200°F (-93°C) to 400°F (204°C), full vacuums and pressures to 10,000 PSI.



Part No. 811154 (12)
4 oz. brush top plastic jar

Part No. 811153 (12)
1-1/3 oz. tube



USDA Approved: Federal meat and poultry products inspection program. Potable water, lead free.

GORILLA GLUE - SUPER GLUE

New impact - tough technology.

Bonds metal, ceramics, wood, stone plastic & more!

- Unique rubber particles increase impact-resistance and strength.
- Anti-clog metal tip.
- Thicker formula for easy flow control.



Part No. 813265
2 tubes/pkg.
Total Net Wt. (6g) (0.21 oz.)



Part No. 813261
(15g) (0.53 oz.)

GORILLA GLUE - QUICK CURE

Cures 8X's faster than original.

Bonds: stone, metal, ceramic, glass, wood, foam & more!

- Repairs that don't need long repositioning time but require extreme strength and a strong hold.
- Dries white, ideal for many applications.
- Sets up in 30-60 minutes.
- Open working time: 5 to 10 minutes.



Precision Pen
Part No. 813264
.75 fl. oz.



Part No. 813262
2 oz. bottle

GORILLA GLUE - ORIGINAL

Bonds metal, ceramics, wood, stone plastic & more!

- Uses no thickeners, solvents or fillers.
- No mixing.
- Used indoors & outdoors. The only true waterproof glue.
- Virtually odorless.
- Goes on dark, neutral when dry.



Part No. 812298
4 oz. bottle

3 TO 4 TIMES THE COVERAGE OF OTHER GLUES.

Part No. 812299
8 oz. bottle

See page D14-2 for "Gorilla Tape"

CONTACT CEMENT

Bonds gaskets, seals trim, laminates, tile, wood, leather, metal and rubber.



- Brush top cap.
- Bonds instantly and permanently on contact.
- Resists water and chemicals.
- No clamping required.

Part No. 211106
3 fl. oz.
Brush-on applicator lid.

ADHESIVES and SEALANTS

SEAL-ALL ALL PURPOSE ADHESIVE

The only adhesive / sealant not affected by gasoline or oil.

***NOT for use around diesel fuel.**

Part No. 211448 (12)
2 fl. oz.



- The repair kit in a tube.
- Sticks, seals, insulates & waterproofs.
- No mixing, no melting.
- UV resistant.
- Colorless.
- For use on: wood, steel, aluminum, copper, most plastics and rubber, porcelain, glass and china, vinyl, fiberglass, canvas and leather, and many other materials.

FORM-A-GASKET NO. 2

A non-hardening, heavy bodied, pliable sealant for semi-permanent assemblies.

- Pliable-setting sealant (black).
- Conforms to MIL-S-45180C(ORD) Type 1.
- Temp. range: -65°F to +400°F.
- Pressure to 5,000 psi.



PART NUMBER	PERMATEX NO.	SIZE
812254	2A	1-1/2 oz.
812255	2B	3 oz.
812256	2C	11 oz.

FORM-A-GASKET NO. 3

Excellent for sealing close fitting parts, water pumps, coolant and heating hose connections and threaded assemblies.

- A non-hardening liquid, brushable sealant.
- Conforms to MIL-45180C(ORD) Type lll.



PART NUMBER	PERMATEX NO.	SIZE
812257	3H	1/4 Pt.

3M SUPER 77 SPRAY ADHESIVE

- Fast drying, aggressive tack for strong bonding.
- An extremely versatile clear multi-purpose adhesive.
- Low mist formula, spray on glue.
- Bonds plastics, foils, metals, papers & cardboards.



Part No. 211590 (12)
16.75 net wt. (475g) (1lb. 3/4 oz)

PATCH & RUN KIT

- Fixes many kinds of problems you encounter – from poor threads to cracked or broken rubber, metal or plastic – including leaks of water or petroleum based products.
- Gets your equipment up and running.

Kit Contains: General Purpose Epoxy Packets, Super Bond Adhesive, E-6000 Clear, Seal-All, Pipe Sealant w/Teflon, Minute Mend Epoxy, 1" x 12yds Self Fusing Tape, Dielectric Sealing Tape, Plastix Adhesive, Epoxy 45 #21425, Lock-N-Seal #24200, Threadlocker, Gorilla Tape, Permatex Supe Glue and Super Gel

Order Part No. 204101 to purchase without the handy plastic storage carrying case.



(PSS012414)

Part No. 204100
15 Items • 32 Pieces
Comes in a handy plastic carry case

HIGH TACK BRUSHABLE NO. 98

- A brushable adhesive-sealant.
- Sets up fast and remains extra tacky to hold the heaviest gaskets in place.
- Red color.
- Temp. range; -65°F to +500°F.
- Brush top can.



PART NUMBER	PERMATEX NO.	SIZE
812260	98H	1/4 Pt.
812269	98D	1 Pt.

HIGH TACK SPRAY-A-GASKET NO. 99

- Red color.
- A super sealant in aerosol form.
- Sets up fast, remains tacky to hold gaskets in place.



PART NUMBER	PERMATEX NO.	SIZE
812262	99MA	10 oz.

COPPER SPRAY-A-GASKET

Same properties as Copper Form-A-Gasket in a handy aerosol spray

- Seals metal and rubber gaskets in high temperature applications up to 550°F.
- Works on paper and cork as well as hard surfaces and non-absorbent and metal faced gaskets.
- Metallic Copper to help dissipate heat.



PART NUMBER	PERMATEX NO.	SIZE
812277	101MA	11 oz.

VIBRA-TITE®

- Vibra-Tite is a special blend of acrylic resins that prevent fasteners from loosening - even under the most extreme vibration. Reusable, up to 5 times, or more.
- Adheres to both ferrous and non-ferrous metals, most platings, wood and plastic screws.
- Operational temp. range, -65° to +165°F.
- Color - Red.
- Creates a reliable, powerful lock and seal for both male & female threads.
- Costs less than anaerobic adhesives.
- OEM: Detroit Diesel 9S244 & 9S256



NOT an anaerobic

Part No. 211469 (12)
30 cc bottle w/brush in cap

OYLTITE-STIK SEALANT

- Temporary repair of gasoline leaks from the outside, no need to drain the tank or equipment first.
- Works on all types of oil, gasoline, plus water, dilute acids, and alkalies.
- Approved for government use under Fed. Stock No. 8030-935-5841.
- Holds pressure up to 15 psi.
- No heat or tools.
- Repair is weather resistant.
- Reduces costly downtime.
- Reduce fire hazards.
- Keeps equipment running until complete repair can be made.



Part No. 811155 1 oz.
(PSS112013)

ADHESIVES and SEALANTS

INSTANTBOND 110



- General purpose instant adhesive.
- Strong (up to 5000 psi) bond.
- Works instantly.
- Used on rubber, glass, plastic, vinyl, aluminum, alloys, dissimilar metals and other non-porous surfaces.

Part No. 910776 (12)
1 oz. bottle

FUTURE GLUE

Works on any oily & dirty surfaces



- Stronger than regular instant adhesives and super glues.
- Bonds all surfaces, except polyethylene & polypropylene.
- Sets in seconds.

Part No. 812347 (12)
Net Wt. .18 oz. (5g) bottle

FUTURE GLUE GEL

No-run formula



- Stronger than super glue.
- Stays put, even on vertical surfaces.
- Bonds all surfaces, including porous.
- One drop holds over 2 tons.
- Non-clogging tip.

Part No. 812348 (12)
(2g) tube

SUPER GLUE

The original one drop adhesive



- Instantly bonds metal, rubber, ceramics and most plastics with non-porous surfaces.
- Forms super strong bond in seconds.

Part No. 811213 (12)
(2g) tube

LOCTITE® QUICKTITE® SUPER GLUE GEL

Instant adhesive



- Same superior performance as the liquid version, the no-run gel formula stays put for no-mess and precise application, even on vertical surfaces.
- Works on porous/non-porous applications.
- Typical applications: metal, most plastics, rubber, vinyl, paper, wood, textiles, ceramics, china & cork.

Part No. 812274 6
(4g) tube
Loctite 39123

PLASTIX

Guaranteed to repair any plastic



- Bonds all plastics, even polyethylene and polypropylene.
- No mixing required.
- Prepare surface with activator, apply bonding agent and bond the parts.

Part No. 812232 (12)
(2g) tube
Permatex 82565

PLASTIC WELD KIT

High performance grade cyanoacrylate adhesive



- Provides maximum bonding strengths of various plastics, elastomers and metals together or in combinations.
- Will not crack or craze.
- Penetrates between parts.
- Meets MIL-S-46050C Type 2 Class 1.

Part No. 811156 (PSS090214)

PLASTIC WELD ADHESIVE



- Fast curing & super high strength.
- For use in repairs and tears in flexible & semi-rigid type plastics.
- Full cure 10 - 30 seconds.

Part No. 811157 (PSS090214)
19 ml. (0.64 fl. oz.)

PLASTIC WELD ACTIVATOR REFILL



- 2 oz size.
- Use with plastic weld adhesive & gap filler.
- Spray on - cures within 60 seconds.

Part No. 811158 (PSS090214)
2 fl. oz.

PLASTIC WELD DEBONDER



- Safely removes super high strength plastic weld repair kit material from misaligned parts.
- Removes accidently glued together skin safely.
- Will remove & dissolve cured adhesive.

Part No. 811159 (PSS090214)
20 g. (0.68 fl. oz.)

POWER PATCH



- Bonds to virtually any surface.
- No mess! Peel & stick application.
- Easy, fast & long lasting.
- Use on plastic, metal, pipes, concrete, drywall, fiberglass, wood, rubber & gutters. (Except Polypropylene)
- Expose to sun or UV lighting to cure.

PART NUMBER	SIZE (INCHES)
312203	3 x 6
312204	6 x 9
312205	9 x 12

- Made in the USA.
- Cut to size, if desired.

(PSS042016)

REPAIR ADHESIVE



UNIVERSAL URETHANE FAST ADHESIVE
For use on all plastics. Use to bond, repair and fill bumper tabs, tears, brackets and also bond emblems, body side moldings and ground effects.
1-2 minutes working time.

Part No. 444117 7 fl. oz. / 207 ml

UNIVERSAL URETHANE BUMPER REPAIR
Medium material offers exceptional strength for any plastic repair, easy sanding.
5-10 minutes working time.

Part No. 444118 7 fl. oz. / 207 ml



RELATED PRODUCTS (PSS113016)

HD Caulking Gun, Part No. 444114
Static Mixers, Part No. 444116-6

ADHESIVES and SEALANTS

HEAVY DUTY GORILLA CONSTRUCTION ADHESIVE

All surface & all purpose.

- Tough, versatile, all-weather adhesive.
- Provides a long-lasting, heavy-duty bond.
- 100% waterproof formula.
- VOC compliant.
- Low odor, non-foaming formula.
- Gap filling.
- Made in U.S.A.
- Use with **Part No. 113130,** Caulk Gun.



(PSS111615)

Part No. 813295 9 oz.

LOCTITE® THREAD TREATMENT STICKS

Solid performers with a twist. Same formula...new form

- Less mess - won't drip, spill or leak.
- Convenient and portable.
- Less waste.
- Rust and corrosion protection.
- Great for tough applications that are overhead and on components that can't be moved.
- Only 3" to 4" long.



248 MEDIUM STRENGTH THREADLOCKER

- More reliable than conventional mechanical fasteners.

Color: BLUE

Part No. 837087 19 gram stick
Part No. 837684 9 gram stick



268 HIGH STRENGTH THREADLOCKER

- Need heat and hand tools to remove.

Color: RED

Part No. 837686 19 gram stick
Part No. 837685 9 gram stick



PST® 561 THREAD SEALANT with Teflon®

- Seals to 100 PSI.
- Will not contaminate or clog lines.

Color: WHITE

Part No. 837127 19 gram stick



C5-A® COPPER ANTI-SEIZE

- Protects metal parts in high heat environments up to 1800°.

Part No. 837229 20 gram stick



SILVER GRADE ANTI-SEIZE

- Protects metal parts in environments up to 1600°.

Part No. 837230 20 gram stick



HEAT-SEAL STIK®

- Stick melts, seals & cures in one operation. Requires only 250°F from torch or heat gun. Melt the stick into the hole or crack, heat cure for a few seconds and the job is done in 90 seconds.
- For aluminum, copper, other metals, glass & ceramics.
- Ideal on high and low side of refrigeration systems.
- One-part epoxy, no mixing or measuring.
- Durable epoxy remains flexible to expand & contract with the metal surface. Will not chip or crack like brittle epoxies.
- Sealing temp.: Up to 350°F (177°C).
- Pressures: Up to 600 PSI (41 BAR).

(PSS112013)

Works on R-410A type systems



Part No. 811203 3/8 oz.

LOCTITE® NEXT GENERATION STICKS

Two new Loctite® Stick products with the revolutionary applicator and semi-soild formulas.

• NO drips • NO spills • NO errors •

LOCTITE® 39150 BEARING MOUNT STICK

- High temp./high strength.
- Replaces clamp rings, set screws, and snap rings.
- Great flexibility for tough applications.

Color: GREEN

Part No. 839150 9 gram stick



LOCTITE® 39158 HI-TACK STICK

- Holds gasket in place during assembly.
- Low odor, solvent free formula.

Color: PURPLE

Part No. 839158 19 gram stick



"DOUBLE-BUBBLE" PACKETS

Convenient 2-5/8" x 3" job-size packets eliminates excess waste.

PART NUMBER	DESCRIPTION	PACKAGE COLOR	QTY
204001	Extra Fast Setting Epoxy	Red	5
204002	Machineable Epoxy	Yellow	5
204003	Wet Surface Patch Epoxy	Purple	5
204004	Water Clear Epoxy	Green	5
204005	General Purpose Epoxy	Blue	5
204006	Regular Setting Epoxy	Black	5
204007	High Peel Strength Epoxy	Orange	5
204008	Extra Fast Set (Non Sag)	Red #2	5
204022	Urethane	Green/Beige	5
204023	Urethane	Blue/Beige	5
204024	Urethane	Purple/Beige	5
204030	Silicone	Brown	5
204040	Once-Hand Cleaner	Green/Yellow	5





Part No. 204000
41 pieces • 13 items • 12050 steel tray

204001	204004	204007	204023	204040
204002	204005	204008	204024	
204003	204006	204022	204030	

Numbers in assortment

ADHESIVES and SEALANTS

MEDIUM STRENGTH "WICKING GRADE" POROSITY SEALANT THREAD LOCK

- Thin consistency liquid wicks into threads.
- Allows thread locking of in service devices.
- Seals pinholes in welds, small cracks in metal housing & porosity in castings.
- Resistant to solvents, oil, gasoline, diesel, grease & antifreeze.
- Temp. range from -65°F to 300°F.
- Replaces Loctite 290.

Meets Requirements:
MIL Spec.: MIL-S-46163
Ford Spec.: WSK-M2G351-A1
Type III, Grade R



Color: GREEN

Part No. 711787
50 ml. bottle (1.69 fl. oz.)

MEDIUM STRENGTH REMOVABLE THREAD LOCK

- For fasteners up to 3/4" dia.
- Resistant to gasoline, antifreeze, transmission fluid and oil.
- Prevents galling and corrosion of threads.
- Removable with hard tools.
- Apply prior to assembly.
- Temp. range from -65°F to 300°F.
- Replaces Loctite 242.

Meets Requirements:
MIL Spec.: MIL-S-46163
Ford Spec.: WSK-M2G351-A5
Type II, Grade N



Color: BLUE

Part No. 711784
50 ml. bottle (1.69 fl. oz.)

Part No. 711785
6ml tube (.20 fl. oz.)

HIGH STRENGTH RETAINING COMPOUND

- Restores fit to worn areas up to .005".
- Allows use and design of slip fit instead of press fit parts.
- High viscosity.
- Prevents corrosion.
- Temp. range from -65°F to 300°F.
- Replaces Loctite 680.

Meets Requirements:
MIL Spec.: MIL-R-46082
Ford Spec.: WSK-M2G349-A6
Type III



Color: GREEN

Part No. 711792
50 ml. bottle (1.69 fl. oz.)

HIGH STRENGTH, HIGH TEMP, SLEEVE RETAINER

- Maintains strength up to 450°F.
- 3500 psi holding strength.
- .015" gap fill capability helps tighten loose fitting assemblies.
- Medium viscosity.
- Prevents corrosion.
- Temp. range from -65°F to 450°F.
- Replaces Loctite 640.

Meets Requirements:
MIL Spec.: MIL-S-46082A
Ford Spec.: WSK-M2G349-A5
Type II



Color: GREEN

Part No. 711791
50 ml. bottle (1.69 fl. oz.)

HIGH STRENGTH PERMANENT THREAD LOCK

- Prevents loosening, locks & seals metal nuts, bolts/studs.
- Resistant to gasoline, diesel, antifreeze, transmission fluid and oil.
- Prevents galling & corrosion of threads.
- Temp. range from -65°F to 300°F.
- Replaces Loctite 262/271.

Meets Requirements:
MIL Spec.: MIL-S-46163A
Ford Spec.: WSK-M2G361-A3
Type I, Grade K



Color: RED

Part No. 711788
50 ml. bottle (1.69 fl. oz.)

Part No. 711793
6ml tube (.20 fl. oz.)

THREAD SEALANT with Teflon®

Used in air, water, oil, gas & hydraulic systems.



- Outperforms tape and pipe dope.
- Temp. range: -60°F to +300°F.
- Pressure rating: 0 to 5000 psi.
- Solvent resistance: water, diluted acids, alkalies (10%), ethylene glycol & petroleum lubricating oil.

Lubricates threads & prevents corrosion.

PART NUMBER	PERMATEX NUMBER	SIZE
812288	14A	1 oz. tube
812289	14D	16 oz. can
812290	14H	4 oz. can

THREAD SEALANT with Teflon®



Part No. 53722
8 oz. brush top can

- Never hardens in thread joint or can.
- Lubricates threads for easy disassembly.
- Pressure range use: Gases: up to 3,000 PSI Liquid: up to 10,000 PSI
- Does not contain valve destroying grit.
- U.S. Federal specs.: Meets and exceeds TT-S-1732
- Brushable to -50°F.
- Carries the NSF seal.
- No strong odor.
- Soft set.
- White paste.
- Non-Toxic.

LOCTITE® THREADLOCKER TAPE



(PSS070110)



Part No. 837088
260" roll

- The first threadlocker in a tape form.
- No mess. no waste.
- A must for every tool box.
- Can be pre-applied for future assembly.
- The same reliability & performance as Loctite® Removable Grade Threadlocking liquids.
- Color: Blue.
- Just peel, wrap, tear & assemble. Number of wraps required is dependent upon the size of the fastener. For a typical 3/8" bolt, 2 to 3 wraps are good.

TEFLON® THREAD SEALING TAPE

Seals & lubricates all pipe fittings, including joints of dissimilar materials. Use on air, steam, oxygen, hydraulic, gas and refrigerant lines.
Seals permanently, yet easy to disassemble.

- Withstands pressures to 10,000 psi.
- Temp. range: –400°F to +600°F
- Meets MIL-T-27730A.
- Not affected by acids, gases, solvents, gasoline, oils or grease.
- Non-flammable, non-toxic, will not dry out.



(PSS092016.53720.21)

STANDARD LOW-DENSITY

- Color: White.
- Density: .700.
- Thickness: .0032-.0034.

PART NUMBER	WIDTH (INCHES)	LENGTH (INCHES)	QTY
53718	1/2	520	6
53719	3/4	520	6

INDUSTRIAL HI-DENSITY

- Color: Pink.
- Density: 1.20.
- Thickness: .0035-.0037.

PART NUMBER	WIDTH (INCHES)	LENGTH (INCHES)	QTY
53720	1/	520	6
53721	3/4	520	6

ADHESIVES and SEALANTS

RAPIDFIX UV®

Adhesive that sets only with UV light. (PSS020816)



- Fix broken or expensive items.
- Saves on replacement cost.
- High strength bond - dries clear.
- Can be drilled, sanded or painted.

Repairs:
Plastic
Glass
Metal
Fiberglass
& more!

Part No. 204055
UV Light & 10ml Adhesive

Part No. 204056
REFILL - 1 Bottle
10ml Adhesive

SUPERBOND 8000 STRUCTURAL ADHESIVE

More than 8,000 lbs. tensile strength
• Industrial • Marine • Automotive •



- Bonds plastics, metals, composites, wood, concrete and dissimilar substrates.
- Environment Friendly - 100% solids - low VOC.
- Rapid cure at room temp. - no heat or UV.
- Easy dispensing through hand held dispensers or meter mix equipment.



PIX OF ASSEMBLY

- May be drilled, tapped, sanded, machined and painted after cure.
- NO surface preparations such as sanding or grinding.
- Replaces mechanical fasteners - increased design freedom with reduced weight.
- Unused portions can be resealed and saved.
- Bonds thin or sheet metal where dimpling or scorching of the metal due to welding is not acceptable.

• AVAILABLE IN KITS •

"3 CARTRIDGE KIT"

(3) 50ml dual cartridge packages, (6) static mixers, (1) dispenser gun

Part No. 811245

"6 CARTRIDGE KIT"

(6) 50ml dual cartridge packages, (12) static mixers, (1) dispenser gun

Part No. 811246

• OR AS INDIVIDUAL COMPONENTS •

50ml DUAL CARTRIDGE

(includes one static mixer per cartridge)

Part No. 811247 (6)



STATIC MIXER



Part No. 811248 (12)

DISPENSER GUN



(PSS092616.811245-249)

Part No. 811249

IMPORTANT: STORAGE AND SHELF LIFE. Raelyn methacrylate adhesives should be stored in a cool dry area away from heat. A shelf life of one year is based on storage between 55-75° F. Long term storage above 75° F will reduce shelf life of the materials. Prolonged exposure above 100° F greatly diminishes the product reactivity and should be avoided. Shelf life can be optimized by refrigeration 45-60° F. This product should never be frozen or stored below 45° F.

PIPE SEALANT with Teflon® - INDUSTRIAL GRADE -



- Certified to ANSI/NSF Standard 61 for use in potable water systems.
- Formulated or metal, tapered pipe thread fittings.
- Cures rapidly to withstand 10,000 PSI.
- Excellent replacement for Vibra-Seal® pre-coated parts.
- Prevents galling, rust and corrosion.
- Contains no petroleum based ingredients.

Part No. 711796
50 ml tube (Permatex No. 56521)

CRC MINUTE MEND EPOXY STICK



- Hardens in 20 minutes, cures full strength in 24 hours.
- After 45 minutes, it can be tapped, sawed, drilled, machined, stained or painted.
- Bonds to damp/wet surfaces and works under water.
- Fast, convenient, easy to use.
- Ideal for use in areas where welding is impossible.
- Color: Black after cure.

Technical data:
12,000 PSI compressive strength
6,000 PSI tensile strength

USDA approved

Part No. 811150
4 oz. Net Wt.
7" long, 1" diameter

HI-TEMP FASTEEL EPOXY STICK

- Withstands temps. up to 500°F, more than 150° higher than other epoxies.
- Steel filled formula creates extremely tough, durable, rock-hard bond to a wide range of metals and plastics.
- Cures in minutes - can be drilled, filed, tapped or machined in one hour.
- Simply tear off the amount required, knead until color changes completely & apply.



Practically any higher temperature use

Part No. 811151 3
2 oz. Net Wt.
3" long, 1" diameter

GORILLA™ EPOXY

- Impact resistant, water & solvent resistant.
- Incredibly strong and fastsetting.
- Bonds steel, wood, aluminum, ceramic, tile and 90 % of all plastics.
- Reusable easy to use syringe and mixing tray.
- Cured color: Clear.
- Gap filling.
- 3,300 PSI



Sets in 5 minutes!

Impact tough formula!

Part No. 813268
.85 Fl oz. (25ml)

FAST CURE EPOXY 45

Bonds, seals, repairs door glass, channels, trim, broken plastic grills and cracked or broken castings.

- Contains 10 premeasured mixer cups.
- No mess, no guess, no waste.
- Bonds in 5 to 15 minutes.
- Color - grey.



Part No. 812275
10 cups: net 2g each
Permatex No. 21425

ADHESIVES and SEALANTS

J-B WELD / J-B KWIK

Repairs iron, steel, aluminum, brass, bronze, pewter, wood, porcelain, ceramic and some plastics.



ORIGINAL "J-B WELD"

- Metal filled cold welding compound withstands heat & vibration.
- Full cure in 12 hours.
- 3980 psi tensile strength & heat resistant to 500°F.

Part No. 811195 (12)
2 fl. oz. Tool box size

Part No. 811197
10 fl. oz. Industrial shop size

"J-B KWIK"

- Sets in 4 minutes; full cure 4-6 hours.
- Ideal for general maintenance and emergency repairs.
- 2100 psi tensile strength & heat resistant to 300°F.

Part No. 811196 (12), 2 fl. oz.

HI-TECH INDUSTRIAL EPOXY SYSTEMS

Exclusive dispenser features a patent pending design that makes it easy to dispense and mix the right amount of adhesive for any job. The snap off cap eliminates unsafe cutting of the tube ends, while the handy mixing paddle pops out when you push the plunger in. All units are a 25ml. syringe.

60 SECOND CURE EPOXY

Use for fast fix on most materials.



- The quickest setting epoxy you can buy.
- Waterproof, impact resistant and high strength.
- We've included a blue dye that after mixing quickly will disappear when it's ready (about 15 seconds).

Ultra Fast Setting System

PART	COLOR	SETS IN	FULL CURE	STRENGTH
811209	Clear	60 seconds	1 hour	1,250 psi

HIGH STRENGTH CLEAR EPOXY

High strength. Water resistant.



- When 5 minutes is not enough working time, Clear Weld sets up in 30 minutes.
- Forms a high strength clear weld which resists most liquids and is waterproof.

Clear Curing System

PART	COLOR	SETS IN	FULL CURE	STRENGTH
811206	Crystal Clear	30 minutes	8 hours	2,500 psi

5 MINUTE CURE EPOXY

Bonds metal and glass.



- When you need more working time and you need a strong crystal clear bond.
- The right choice.

Rapid Cure System

PART	COLOR	SETS IN	FULL CURE	STRENGTH
811204	Crystal Clear	5 minutes	24 hours	1,200 psi

HIGH STRENGTH STEEL FILLED EPOXY

Works great on all metals. Water resistant.



- Forms a high strength chemical weld on most metals.
- Steel Weld actually contains steel and works on steel, aluminum, brass, copper, glass, wood and concrete.

Contains Steel

PART	COLOR	SETS IN	FULL CURE	STRENGTH
811207	Dark Grey	2 hours	24 hours	2,600 psi

5 MINUTE CURE GEL EPOXY

Will not sag on vertical surfaces.



- Will not drip or sag.
- Ideal to use on vertical surfaces.
- Use to fill voids and cracks in metal, wood and concrete.

Rapid Cure System

PART	COLOR	SETS IN	FULL CURE	STRENGTH
811205	Cream	5 minutes	1 hour	2,500 psi

HIGH STRENGTH PLASTIC BONDING EPOXY

Powerful bonding between all hard plastics.



- Simply the strongest product to use on most plastics.
- Made from space age methacrylate technology.
- Sets up in 15 minutes forming a super high strength bond (3500 psi). Excellent for bonding plastic or metal.

OEM approved

PART	COLOR	SETS IN	FULL CURE	STRENGTH
811208	Cream	15 minutes	24 hours	3,500 psi

PERMATEX® HIGH TEMPERATURE SLEEVE RETAINER



OEM specified

- High temp., up to 400°F (204°C), anaerobic adhesive that secures slip & press fit assemblies.
- Adds up to 3,000 PSI holding power.
- Restores fit to worn or out-of-tolerance assemblies and prevents surface corrosion.
- Conforms to ASTM D5363 AN0411 (Mil-R-46082. Type 11).

PART NUMBER		SIZE	PERMATEX
813286	6	36 ml. bottle, carded	64040

PERMATEX® PENETRATING GRADE THREADLOCKER – GREEN



A low viscosity threadlocking liquid that wicks along the threads of preassembled fasteners to secure them in place. Since it is applied after assembly, preventive maintenance procedures are simplified. Ideal for fasteners ranging from #2 to 1/2"(2.2 to 12mm) in size. Localized heating and hand tools are needed for disassembly. Conforms to ASTM D5363 AN0261 (Mil-S-46163A, Type III, Grade R).

Applications: Bolts on alternators, a/c belts and distributor clamps, carburetor adjustment screws, hairline cracks.

PART NUMBER		SIZE	PERMATEX
813287	6	36 ml. bottle, carded	29040

OEM specified

ADHESIVES and SEALANTS

J-B WELD

World's strongest bond • Proudly made in the USA

RADIATORWELD™

Plastic Tank & Radiator Repair Kit.



Works on plastic tanks & metal surfaces. Stops leaks. No removal required.

GREAT FOR: Radiators • Wash Fluid Tanks Storage Tanks • Water Tanks

USE ON: Automotive • Metal Plastic/Composite/PVC Specialty Products and More

PART	COLOR	SETS IN	FULL CURE	STRENGTH
812344	Grey	10-20 minutes	1 hour	1200 psi

LEATHERWELD™

Leather & Vinyl Repair Kit.



Repairs tears, rips, cracks or holes. No heat required.

GREAT FOR: Car Interiors • Boats • Office Furniture • Leather Clothes Leather Accessories

USE ON: Automotive • Cloth/Carpet Specialty Products and More

PART	COLOR	SETS IN	FULL CURE	STRENGTH
812353	(7) colors	4 hours	20-24 hours	N/A

MARINEWELD™ SYRINGE

Waterproof When Fully Cured.



Provides strong lasting repairs for bonding different or similar surfaces like metal, composites, fiberglass & others. At full cure it may be shaped, tapped, filed, sanded and drilled.

GREAT FOR: Boats • Personal Watercraft Deck & Hull Accessories

USE ON: Epoxy & Adhesives • Fiberglass Glass • Under Water/Wet and More

PART	COLOR	SETS IN	FULL CURE	STRENGTH
812354	White	20 minutes	15-24 hours	3,200 psi

WATERWELD™ EPOXY PUTTY

Will plug or seal leaks and patch holes and cracks in almost anything. Ideal for repairing plumbing, fuel tanks, tub/shower, drains, pool and spa, boats & potable water tanks setup occurs even under water. After curing, it can be drilled, tapped, filed, sanded and painted. Withstands temperatures up to 300°F.



GREAT FOR: Plumbing, Tub, Shower & Drains Fuel Tanks • Marine/Boats • Potable Water Tanks

USE ON: Automotive • Ceramic • Epoxy Putty Sticks • Fiberglass • Metal • Plastic/Composite & PVC • Under Water/Wet and More

PART	COLOR	SETS IN	FULL CURE	STRENGTH
812355	Off White	25 minutes	1 hour	900 psi

C SECTION CHEMICALS & PAINTS











ADHESIVES and SEALANTS

ULTRA BLACK R.T.V. SILICONE GASKET

- Fast-curing formula.
- Sensor-safe, low odor, non-corrosive.
- Retains high flexibility, oil resistance properties through use of a patented adhesion system.
- Meets performance specs. of OE silicone gaskets.
- Temp. range -75°F to 600°F intermittent; resists auto and shop fluids and vibration.



PART NUMBER	SIZE	PERMATEX
812381	3.35 oz. tube	82180
812380	8.75 oz. aerosol	82080
812382	13 oz. cartridge	24105

ULTRA GREY R.T.V. SILICONE GASKET

For high torque applications (predominantly Japanese designs).

- Exceeds manufacturers performance requirements.
- Low odor and non-corrosive.
- Outstanding oil resistance.
- Guaranteed not to leak.
- Temp. range -65°F to 650°F intermittent; resists auto and shop fluids and vibration.



PART NUMBER	SIZE	PERMATEX
812384	3.35 oz. tube	82194

SENSOR SAFE - THE ORIGINAL BLUE R.T.V. SILICONE GASKET

- Will not foul oxygen sensors.
- Replaces almost any cut gaskets.
- Makes reliable "formed-in-place" gaskets that resist cracking, shrinking and migrating.
- Coats pre-cut gaskets to increase reliability.
- Temp. range -65°F to 500°F intermittent; resists auto and shop fluids.
- First generation 1980-1970 gasket maker.



PART NUMBER	SIZE	PERMATEX
812259	3 oz. tube	6BR 80022

ULTRA COPPER HI-TEMPERATURE R.T.V. SILICONE SEALANT

- The most advanced, high temp. RTV silicone gasket available.
- Sensor-safe, low odor and non-corrosive.
- Superior adhesion.
- 3X's more oil resistant than other silicones.
- 8X's more flexible than cut gaskets.
- Temp. range -75°F to 700°F intermittent; resists auto and shop fluids and vibration.



PART NUMBER	SIZE	PERMATEX
812360	3 oz. tube	101BR 81878

ULTRA BLUE R.T.V. SILICONE GASKET

Seals valve covers, oil pans, timing covers, transmission pans and differential covers.

- Meets today's technology changes.
- Sensor-safe, low odor and non-corrosive.
- Outstanding oil resistance & joint movement values.
- 8X's more flexible than cork/composite gaskets.
- 3X's more oil resistant than conventional silicones.
- Temp. range -75°F to 500°F intermittent; resists auto and shop fluids and vibration.



NO Leak

PART NUMBER	SIZE	PERMATEX
812388	3.35 oz. tube	77BR 81724

CLEAR R.T.V. SILICONE SEALANTS

Seals windshields, door frames, electrical connections, vinyl tops, seams and roofs.

- General purpose, indoor/outdoor sealant.
- Protects and repairs electrical wiring.
- Works on horizontal or vertical surfaces.
- Water-proof and flexible.
- Temp. range -80°F to 450°F; resists oil, water, weather, vibration and grease.



PART NUMBER	SIZE	PERMATEX
812271	3 oz. tube	66BR 80050

SENSOR SAFE - ORANGE HI-TEMPERATURE R.T.V. SILICONE SEALANT

- Formulated for oxygen sensor equipped engines, hi-temp applications.
- Makes reliable "formed-in-place" gaskets that resist cracking, shrinking and migrating caused by thermal cycling.
- Coats pre-cut gaskets to increase reliability.
- Temp. range -75°F to 650°F intermittent; resists auto and shop fluids.



PART NUMBER	SIZE	PERMATEX
812287	3 oz. tube	27BR 81422

AUTOMOTIVE MCKANICA POWER CAN SILCONE SEALANTS

Bonds all types of joints & replaces gasket material including: rubber, paper, felt & cork, (unsuitable for head gaskets).

- Powerbead can.
- Easy to use.
- No more waste.
- Finger tip control.



PART NUMBER	SIZE	RESISTS TEMPS. UP TO	COLOR
810304	6.7 fl. oz.	400°F	Blue
810300	6.7 fl. oz.	450°F	Black
810310	6.7 fl. oz.	625°F	Gray
810298	6.7 fl. oz.	650°F	Hi-Temp Red
810312	6.7 fl. oz.	700°F	Hi-Temp Copper

A silicone dispenser that stops silicone hardening in the tube.

AUTOMOTIVE / MARINE MCKANICA POWER CAN SILCONE SEALANTS

Flows easily making all caulking jobs easy and quick. It resists corrosion from oil, salt water and anti-freeze. It is a universal sealant for all caulking jobs around the boat and auto and can be used externally or internally. N.B. Not suitable for under water line repairs.

- 100% silicone.
- Mildew proof.
- Adheres to fabric.
- Endures sunlight.
- Withstands salt water.
- Watertight seal.



NOT Sensor Safe

PART NUMBER	SIZE	COLOR
810302	6.7 fl. oz.	Clear
810314	6.7 fl. oz.	White

ANAEROBIC GASKET MAKER

- Non-corrosive gasketing material designed primarily for use on aluminum, iron, and steel flanged mating surfaces.
- Ideal for on-the-spot and emergency repairs, or when a conventional gasket is unavailable.
- Fills gaps up to .015". Cures to a solvent resistant seal that will not tear or decay during service.
- Parts disassemble easily even after extended service.



PART NUMBER	SIZE	PERMATEX
812387	50 ml. tube	51813

ADHESIVES and SEALANTS

RED HI-TEMPERATURE R.T.V. SILICONE GASKET MAKER



- OEM specified.
- Formulated for hi-temp applications, or heavy-duty use.
- Temp. range - 65°F to 650°F (-54°C to 343°C) intermittent; resists auto & shop fluids.
- Makes a reliable "formed-in-place" gaskets that resist cracking, shrinking & migrating caused by thermal cycling.
- Coats pre-cut gaskets to increase reliability.

PART NUMBER	SIZE	PERMATEX
813282	3 oz. tube	**81160**

PERMATEX® THE "RIGHT STUFF"

- Fleet tested - no leaks in over a million miles of tests.
- Protects against leaks - makes gaskets that are more reliable and longer lasting than cut gaskets.
- No cure delay - vehicle can immediately be put in service.
- One container makes approx. 8 - 10 four cylinder valve cover gaskets at a fraction of the cost of cut gaskets.
- Temp. range to 550°F continuous, 600°F intermittent.
- Resists oil, coolant and ATF.
- Sensor-safe.
- Color: Black.

Specified by:
Chrysler: GF44-A
GM: 998-5990
Ford: WSE-M4G323-A6



PART NUMBER	SIZE	PERMATEX	QTY
812358	4 oz. (113.4g) aerosol dispenser	**25223**	6
812357	5 oz. caulk gun cartridge	**29208**	6
813284	7.5 oz. powerbead can	**85224**	6
813272	10 oz. caulk gun cartridge	**33694**	6
213337	Right Stuff caulking gun	**29247**	

PERMATEX® THE "RIGHT STUFF" for IMPORTS



- Instant - seals in one minute.
- Reliable - creates long lasting elastomeric rubber gasket.
- Resistant to hot oil, coolant and ATF.
- OEM approved by major import manufacturers including, Honda, Nissan, Hyundai, Mazda, and Mitsubishi.

PART NUMBER	SIZE	PERMATEX	QTY
813274	5 oz. caulk gun cartridge	**34311**	6
813273	10 oz. caulk gun cartridge	**34310**	6

PERMATEX® SUPER GLUE

This formulation was specially designed for a faster, long-lasting bond.



- It is easily applied and works on non-porous materials including metal, plastics, rubber, vinyl, paper, wood and textiles.
- Permanent, transparent bond fills gaps to .004".

PART NUMBER	SIZE	PERMATEX
813269	2 g. tube	**82190**

PERMATEX® SUPER GLUE GEL

Non drip gel formula "stays put" for precise application on hard-to-reach, overhead, or vertical surfaces.



- This permanent, transparent bond is easily applied and works on both porous and non-porous materials including metal, rubber, glass, aluminum, vinyl, ceramics, alloys and plastics.
- Fills gaps to .004".

PART NUMBER	SIZE	PERMATEX
813271	2 g. tube	**82191**

3M ULTRAPRO CLEAR TRIM & EMBLEM ADHESIVE



- Plastic top with brush applicator helps prevent lid from becoming stuck to the bottle.
- A clear, colorless adhesive for use on emblems, mouldings, weatherstrip, carpet, fabric, etc.
- Provides fast tack and excellent adhesion.
- No clotting or stringing.
- Sag resistant.
- Won't harm cured paint.
- Waterproof.

Part No. 211351
1 pint bottle
3M No. 08063
(Clear)

3M SUPER WEATHERSTRIP ADHESIVE



Part No. 908001 (12)
5 oz. tube
3M No. 08001 (Amber)

Part No. 908008 (12)
5 oz. tube
3M No. 08008 (Black)

PERMATEX® SUPER WEATHERSTRIP ADHESIVE



Part No. 812129 (12)
5 oz. tube
Permatex No. 81731 (80)
(Amber)

Part No. 812130 (12)
5 oz. tube
Permatex No. 81850 (82)
(Black)

OUR SUPER WEATHERSTRIP ADHESIVE



- Handiest adhesive there is for bonding weatherstrip to doors or trunk lids.
- Thin bodied, spreads easily.
- Same top quality at a significant savings.

TOP TEN SELLER

Part No. 812370 (12)
5 oz. tube (Amber)

ADHESIVES and SEALANTS

ANAEROBIC FLANGE SEALANT

Used on water pumps, thermostat housings, transmission pan, transmission case cover, transaxle casings, o-ring replacement.



- Flexible, gasketing material for use on rigid machined flanges with less than .015" gap.
- OEM approved - use where OE's specify "anaerobic" gasket (cures in the absence of air).
- Eliminates preformed, pre-cut, paper, rubber and cork gaskets.
- Flexes with flanges that move in service.

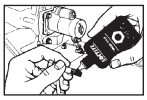
Part No. 813275
50 ml. tube
Permatex No. 51531

271 HIGH STRENGTH THREADLOCKER - RED



- Locks studs, bushings, and large fasteners against loosening & wear.
- Retains bearings, preventing spinout.
- Strengthens slip & light press fits.
- High strength: heat or special tools required for disassembly.

TOP TEN SELLER



PART NUMBER	PERMATEX NUMBER	SIZE
812267	27140	36ml.
812286	27100	6ml.

242 THREADLOCKER - BLUE



- Medium strength - removable - no lock washers or lock nuts needed.
- Positive locking of threaded fasteners - nuts, bolts, and screws.
- Seals against air, fuel, and hydraulic leaks.
- Restores fit to worn parts.

36ml.
plastic bottle

PART NUMBER	PERMATEX NUMBER	SIZE	COLOR
812266	24240	36ml.	Blue
812285	24200	6ml.	Blue

URETHANE AUTO GLASS SEALANT

A one part urethane adhesive sealant for bonding windshields, backlites and quarter windows.



- Substantially stronger than butyl.
- Cartridge will install (2) windshields.
- Easy handling and fast setting properties.
- For re-installation, urethane bonds & seals to original factory installed urethane sealant.
- Color: Black.

Part No. 211328 (6)
Net. wt. 11 fl. oz. cartridge (Black)
3M No. 08609

3M SINGLE STEP PRIMER

- Single Step Primer for auto body windshields to promote urethane adhesion to the windshield; can also be used to touch pinchweld scratches and to primer encapsulated glass.



Part No. 908681
Net. wt. 125 ml.
3M No. 08681

3M FAST 'N FIRM SEAM SEALER (Caulk Gun Cartridge)



- Adheres well to clean, bare, primed metal & painted surfaces.
- Skins over in quickly, can be painted in 30 minutes.
- Seals interior and exterior joints.
- Ideal as general purpose water and dust sealer.
- Will withstand mild forced drying.
- Has excellent tooling & sanding properties and exhibits low shrinkage and good resistance to weathering after cure.

Part No. 908505
Net wt. 10 oz. (Biege)
Fits 1/10 gallon caulk gun
3M No. 08505

3M STRIP CALK

For sealing openings in the car where a soft non-hardening material is needed.

- Good for use in seams, cracks in joints, trunks, cracks around pillar posts, cowling and windshields.
- Color: Black.
- Strip-Calk is waterproof, will not shrink, requires no application tools, and can be painted.



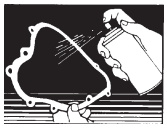
Part No. 908578
1 ft. lengths, 60 per box
3M No. 08578

TACK & BOND (GASKET ADHESIVE)



- Super sticky, high strength, quick drying.
- Bonds to metal, cork, rubber, plastic and other automotive materials.
- Holds gaskets in place — Even overhead!
- Resists water, anti-freeze, gasoline, oil, transmission fluid, brake fluid and grease.

TOP TEN SELLER



- Extension tube creates narrow spray — eliminates overspray and waste.

Part No. 211323 (12)
Net Wt. 15.75 oz. (447g.)

SUPER BOND (TRIM ADHESIVE)

High temperature rated to 200°F.



- Web-like spray pattern eliminates high spots & overspray.
- Adjustable spray valve.
- Heat, moisture & water resistant.
- Bonds carpets, urethane foam insulation, vinyl tops, kick pads, upholstery, headliners, runners, etc.

TOP TEN SELLER

Outperforms or Exceeds:
3M 8080, 8090 Crest AA-A
Montana SA-360 Kent ST-A
Rubber-Seal R5-505
Talsol 3410, 3411

Part No. 211417 (12)
Net Wt. 15.75 oz. (447g)

SEAL-UP — PERMANENT, METALLIC BLOCK and RADIATOR SEALER



- **SEAL-UP** is scientifically treated liquid glass (Sodium Silicate) that is enhanced with copper for maximum, permanent sealing strength.
- Seeks out low pressure points and flows into the hole or crack to from a permanent ceramic-metallic weld that is as permanent as a mechanical weld.
- Heat & pressure resistant.
- Expands & contracts.
- Use when rebuilding engines.
- Seals all types of metals.

Part No. 211475 (12)
11.4 oz. net wt.

ADHESIVES and SEALANTS

HEAVY DUTY RADIATOR STOP LEAK

Unbeatable leak protection for: radiators, cylinder heads, freeze plugs, heater cores, hoses & more



- **Leak Stopper** is a Metallic sealer with a carrying agent that stays in suspension until carried to the leaking area. These metallic particles form activates when exposed to the atmosphere.
- Ten minutes of engine operation completes the sealing cycle.
- Mixes with any antifreeze.
- Compatible with all modern cooling system materials.

Part No. 13123
Contains 24 tubes
Net Weight 3/4 oz. (21g) per tube

DE-SQUEAK CONDITIONING TREATMENT



Recommended for use on new, old or freshly cut (turned) brake rotors and drums. It is safe for use on all types of brake systems, including ABS.

- Eliminats harmonic vibrations...fills voids and imperfections.
- Quick drying...does not interrupt or lengthen brake job.
- Prevents rust and oxidation on drums, rotors and lug nuts.
- Will not harden due to incorporation of graphite and silica.

Part No. 211299 6
Net. Wt. 11.25 oz. (318g.)

DISC BRAKE QUIET



- Provides an absorbing film that dampens vibration at caliper/brake pad interface.
- Resists diesel fuel, ethylene glycol, water, grease and brake fluids.
- Works at temperatures from -65°F to +500°F.

Part No. 13143
Spray-On
9 oz. Net Weight
Permatex No. 127MA

3M ALL-AROUND AUTOBODY SEALANT WHITE

For sealing interior/exterior autobody joints & seams.



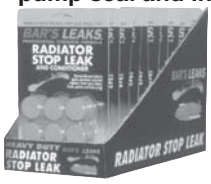
- Applies easily, can be smoothed to a featheredge with a wet finger and sets to a firm, tough, rubber-like, water-resistant bead.
- Can be painted within 30 minutes.
- Water cleanup (before it dries).
- Will not harm paint.

Part No. 908500
10 fl. oz. Net Weight
3M No. 08500

Fits 1/10 gallon Cartridge Gun

BAR'S LEAKS TABLETS

Bar's Leaks has millions of tiny particles to permanently seal leaks in plastic, aluminum and metal radiators, heater cores, blocks, heads, gaskets and freeze plugs. Compatible with all brands of anti-freeze, including extended life. (Green and Orange) Lubricates water pump seal and inhibits the formation of rust and scale.



- Patented concentrate used world wide by car and truck manufacturers to protect against cooling system leaks.
- Use two tablets per gallon of coolant.
- 6 tablets per card, 12 cards per box.

Part No. 211537 12

FUEL TANK REPAIR KIT



- Makes quick, permanent repairs to leaks in all types of metal fuel tanks, without the dangerous welding.
- Repairs cracks up to 4" (10cm) long and holes up to 3/8" (9mm) in diameter.
- Ideal for cars, light trucks and commercial vehicles.
- **NOT FOR USE** on **PLASTIC** fuel tanks.

Part No. 812378
Net Wt. .09 oz.

BULLSEYE™ WINDSHIELD REPAIR KIT



Saves hundreds on unnecessary windshield replacement

- Repairs stone damage on most types of laminated windshield glass up to 1" diameter.
- Makes crystal clear repair in 30 minutes.
- No mixing or special tools required.
- Not recommended for severe star damages or cracks.
- Kit makes (1) repair.

Part No. 812352
.17 fl. oz.
Permatex No. 16067

REAR VIEW MIRROR ADHESIVES



- Remounts mirror brackets in seconds.
- 60% strength - 3,000 psi in two minutes.
- Kit makes (1) repair.
- Easy clean-up.

Part No. 811214
Net .03 fl. oz.

Net .03 fl. oz. also available
Permatex No. 81844
Part No. 812230



Part No. 812265
Net 6 ml bottle
Permatex No. 3346

HEADLIGHT LENS RESTORER

Rated #1 by the world's largest independent test lab.



- This Nano optical grade polish has been formulated to work on all plastic, lexan & glass auto lens covers.
- It will permanently remove yellowing, haze cloudiness, light scratches, bugs, road debris & micro pitting. Perfect finish every time.
- Improves & repairs damage - giving you clear sight of the road.
- Safe & chemical free, no coatings or fillers.

Part No. 812373

MUFFLER CEMENT



Used to seal regular and catalytic exhaust connections.

- Iron reinforced - spreads like putty - hardens like metal.
- 1 lb. shop size tube.
- Eliminates leaks and comebacks.
- Makes installations easier.

Part No. 211470 6
16 oz. net wt. tube

PERMATEX® GEAR OIL GRAY RTV GASKET MAKER

- OEM specified.
- Specially formulated to withstand the harsh gear oil environment found in differentials and transfer cases.
- Because gear oil has friction modifiers that break down normal RTV and cause leaking, this specialty silicone has been tested to OEM specifications to ensure complete sealing.
- As a gasket maker, it seeks and seals leak paths that cut gaskets cannot.
- It can also be used to seal cut gaskets.



Part No. 812361
Net Wt. 3 oz. tube

C SECTION CHEMICALS & PAINTS











MRO CLEANERS

CONQUEST CLEANER & DEGREASER

- Contains D'Limonene - a safe, natural citrus based solvent.
- Contains no acids, no caustics or corrosives. Non-carcinogenic.
- Emulsifies in water. Totally biodegradable.
- All-purpose cleaner. Dilute for normal use, or use straight for extra strength.
- USDA accepted, C-1.



Part No. 211405
1 qt. container

Part No. 211405G1 4
1 gallon container

Part No. 211405G5
5 gallon container

CITRA-CLEAN AEROSOL

- Natural citrus (D-Limonene) all purpose cleaner and degreaser with powerful degreasing formula, that can also clean and deodorize a variety of surfaces.

ENVIRO SMART



Citra Clean Aerosol
Part No. 211451 (12)
15 oz. net weight (425g)

Foaming Aerosol Citra Clean II
Part No. 211452* (12)
18 oz. net weight (510g)
*Does not contain D-Limonene

PURPLE-PRO™ CONCENTRATE

Biodegradable • Noncombustible
Nontoxic • Powerful

VERSATILE - can be used straight as an efficient wax stripper, garage bay floor cleaner etc., or mixed up to 15 to 1 for easy cleaning of linoleum, asphalt, rubber, vinyl, etc.

POWERFUL - contains premium-grade cleaning agents designed for fast & easy removal of dirt, grease & grime from all surfaces.



Part No. 211200 (12)
32 fl. oz. (946 ml.)

Part No. 211200G1 (6)
1 gallon container

Part No. 211200G5
5 gallon container

"PRESSURE MAX" HEAVY DUTY PRESSURE WASHING FORMULA

- Removes grease, grime & other deposits on all parts of engines, parts & vehicles.
- Excellent with high or low pressure, hot or cold water.
- Contains biodegradable surfactants, non-phosphate.
- Non-flammable, non-corrosive & non-butyl.
- Extremely safe for workers, surfaces & environment.
- Leaves surfaces free of residue.



(PSS073114)

Part No. 44438G5 5 gallon container | **Part No. 44438G55** 55 gallon container

DEOXIT® CLEANER & SHIELD

DEOXIT® CLEANER (PSS061414)

- Cleans and restores connections.
- Removes oxidation and corrosion.
- Enhances electrical contact points.
- Prevents electrical failure.
- Improves performance.

Part No. 211035
5.75 oz. net wt .

DEOXIT® SHIELD

- Lubricate and protects connections.
- Use after Deoxit® cleaner for long term protection.
- For severe environments.

Part No. 211036
5.75 oz. net wt .



ZENASHEEN H20

Cleans, polishes and protects stainless steel, chrome, brass, copper & aluminum.

- Maintains a bright spotless finish.
- Polishes as it cleans...leaves no greasy film.
- Unique coating repels further soiling.
- Removes tough oil based stains, water spots, spills & soils.
- Restores original luster, repels dust and seals & protects against future oxidation.

Water based



Part No. 211312 (12)
18 oz. net weight

(PSS101414)

FASTBALL ALKALINE CLEANER/DEGREASER

Rinses easily - Leaves no film • Non-hazardous

(PSS100312)

Comes in two formulas:
Highly Concentrated Formula (the dilution depends on the job) and Ready-To-Use Formula for quick spray & go applications.

Don't use on Aluminum



- Industrial grade and formulated to quickly and effectively penetrate, break up and remove stubborn oil, grease and tough soils.
- Designed to work even in hard water.
- Great to use for equipment degreasing, vent hoods & ducts, oil spills, floor cleaning, garbage containers, concrete pads, floor drains, waste receptacles, asphalt pavements, floor wax stripping, pressure washing trucks, washing coils, detailing engines and more!
- A multi-purpose product for a wide variety of applications, eliminating the need to stock several different solvents and cleaners.

Part No. 44447
1 qt. spray bottle

Part No. 44447G1
1 gallon container

Part No. 44447G1-4
4 gallon containers/case qty.

Part No. 44447G5
5 gallon pail

Part No. 44447G55
55 gallon drum

CRYSTAL CLEAR

- Designed to remove dirt, grease & grime on hard surfaces.
- Heavy duty foam clings & penetrates soils.
- No dripping, running or build-up on surfaces.
- Especially great in body shops since it is ammonia & silicone free.
- Cleans, restores and shines.

Ammonia & Silicone FREE



Part No. 211629 (12)
19 oz. net weight (538g)

(PSS070710)

CLING 'N CLEAN

- Non-ammoniated, clinging formula and ready to use.
- Multi-surface cleaner.
- Quickly removes dirt, grease and grime.
- Neutralizes and eliminates odors.
- Wipes off quickly without streaks or rainbows.
- Drys crystal clear.
- Prevents fingerprints & smudges.
- Leaves a pleasant citrus crème fragrance.

Ideal for vertical surface cleaning!



NO CFCs — RECYCLE RENEW REUSE

(PSS021010)

Part No. 211591 (12)
Quart size (32 oz.)

C12

MRO CLEANERS

GEL VANDAL MARK REMOVER



Use to remove:
Lipstick • spray paint • inks • scuff marks
adhesives • decals • tape marks • glue • pencil



- Clings to vertical surfaces.
- Emulsifiable - wipe off with cloth or rinse off with water.
- Dries quick and residue free.
- Safe on most surfaces, porous and non-porous. May soften some plastics and paints, test first.

Part No. 211467 (12)
14-3/4 oz. net weight (418g)

PERFECT SOLUTION



Concentrated Cleaner-Degreaser

- Biodegradable, non-toxic, non-abrasive, non-corrosive, non-flammable & pleasant fragrance.
- Safe to use on most washable surfaces.
- Emulsifies dirt to allow for easy rinsing.
- USDA C1 authorized for use in federally inspected meat packing plants.
- Can be sprayed, brushed or mopped on and can be used at a dilution ratio of 1 oz. per gallon to full strength. (PSS031010)

Part No. PFS485 Available in quarts, gallons & bulk

GLASS CLEAR





- Cleans surfaces fast and easy through foaming action.
- Just spray it on & wipe it off immediately for sparkling clean surfaces every time.
- Leaves no sticky film to attract dirt and is non-staining.
- Contains ammonia for effective grease cutting.
- Cuts dirt and grime, removes smoke film.

Part No. 211301 (12)
19 oz. net weight (538g)

Does not streak!

AIR JET DUST CLEANER



Removes dust, lint & all particulate matter from sensitive instruments, cameras, keyboards, computers and other precision equipment.

- An inert, dry gas - contains no CFCs.
- Safe on all plastics and elastomers.
- Non-toxic, odor free, leaves no residue, moisture free, non-flammable.
- Includes extension tube for hard-to-reach places.

Part No. 211125 (12)
CRC No. 05185
10 oz. net wt. (284g)

GEL GRAFFITI REMOVER



EXTRA STRONG!
Use only on unpainted porous surfaces.



- Quick acting.
- Highly concentrated.
- Removes what others won't.
- Thick gel formula clings and penetrates porous surfaces.
- **Use on:** Brick • block • concrete • slate • terrazzo • marble • granite

Part No. 211103 6
19 oz. net weight (538g)

BIO FOAM



Enzymatic Foaming Coil Cleaner

- Contains LIVE bio-enzymes.
- Increases air flow & unit efficiency - saving energy.
- Portable, non-acid, non-flammable spray.
- Helps keep drip pans and drain lines clean, free flowing and odor free.
- Flush off with water or leave on fins without rinsing.
- Deodorizes as it cleans, leaves a fresh clean scent.

(PSS061510)

Part No. 211627
18 fl. oz. (1 lb. 2 oz.) (510 grams)

NO CFCs · STEEL · MADE IN THE U.S.A.

"FAST FLUSH" COIL & FIN CLEANER



Blasts away dirt, grease & grime from coils, fins and filters found on air conditioners, refrigeration units, ice machines, cooling towers, heat pumps, heat exchangers, radiators & condensers.

- No need to disassemble.
- Spray on, walk away.
- No water rinse needed.
- Cleans both sides - condenser or evaporator.
- Non-acidic and non-corrosive.
- Clean units are more efficient, consume less energy & cool faster.

Part No. 211464 (12)
18 oz. (510g) (1 lb. 2 oz.)

MAGNUM



Heavy Duty Industrial Foam Degreaser

Biodegradable • Water Soluble

- Heavy duty powerful" foam gun" spray clings to surfaces.
- Contains ultra fast, super powerful, grease dissolving agents and detergents.
- Provides extended degreasing contact time.
- Quickly breaks down grease and grime.
- Easy clean up - may be flushed away.

Part No. 211628 (PSS060811)
Can Size 20 oz.
Net Weight 16 oz. (453 g.)

NO CFCs · STEEL

DE-SOLV-IT



Engine and Equipment Degreaser

- Specially formulated to remove dirt, grease and oil from all mechanical engines, machinery, tools and even greasy floors.
- Simply spray on DE-SOLV-IT - it penetrates through layers of dirt, grease and grime, down to the metal itself.
- Biodegradable formula emulsifies grease & oil.

Part No. 13111 6
1 lb. 2 oz. net wt. (510g)

GREZ-OFF® HEAVY DUTY DEGREASER



A biodegradable, water based cleaner that effectively removes heavy duty grease and dirt.

Ideal for:

- Engines.
- Machinery.
- Workbenches.
- Garage floors/walls.
- Asphalt.
- Condense coils.

Part No. 211600 (12)
32 oz. pump spray bottle

MRO CLEANERS

ELECTRO-SOLV

Concentrated contact point cleaner

Restores and maintains original precision & efficiency of contacts, electric switches & relays.

- Instantly removes grease, dust, oil and oxidation.
- Eliminates noise and interference by dissolving oxidation & dirt on electronic equipment contacts.
- Cleans and penetrates surface pores and leaves a microscopic film for protection against future corrosion.
- **Not recommended for use on plastics.**



Part No. 13126 (12)
1 lb. 4 oz. net wt. (567g)

ELECTRIC MOTOR DEGREASER

New generation safety solvent degreaser removes dirt, grease & grime. Use on motors, electronic equipment, generators, compressors, power tools, pumps, fans, relays, etc.

- Non-flammable & non-conductive.
- Powerful spray flushes away contaminants.
- Cleans and dries quickly, leaving no residue.
- Use on motors while running, will not harm wires or insulation.





Part No. 13125
1 lb. 4 oz. net wt. (567g)

CRC® QUICK CLEAN Non-flammable (Safety Solvent) Cleaner/Degreaser

Non-ozone depleting alternative to 1,1,1, trichloroethane that is just as effective.

TOP TEN SELLER

- Authorized by the USDA for use in inspected meat & poultry plants.
- Non-staining and non-corrosive.
- Dissolves grease, oil & sludge quickly for more efficient operation & leaves no residue.
- For cleaning and degreasing dirty, corroded equipment.

Patented MSDS(L)™ Label!



Part No. 211551 (12)
(CRC03180)
19 oz. net wt. (539g)
(Contents 20 fluid oz.)

LECTRA-MOTIVE® ELECTRIC PARTS CLEANER

Non-Flammable Formula.

- Aggressive cleaner specifically for electric motors, transformers and machinery.
- Non-flammable formula dissolves grease, oil, dirt and wax.



Part No. 211580 (12)
(CRC05018)
19 oz. net weight

CLEANER DEGREASER NO. 377

- Quick penetrating formula dissolves grease & oil.
- Restores bright appearance to car engines, machinery, lawn mowers, fans, grilles, etc.
- Removes tar & oil without harming the car finish.



Part No. 211555 (12)
16 oz. net wt. (454g)

QD® CONTACT CLEANER

Quick drying formula - leaves no residue.

- A petroleum distilate and alcohol blended precision cleaner suitable for cleaning sensitive electronics.
- Safe to use on all plastics.
- Contains no Class I or Class II ozone depleting chemicals.
- 360° spray valve can be sprayed in the up or down position.
- <0°F flash point.



Part No. 211579 12
(CRC No. 03130)
16 oz. net weight

CRC QD™ ELECTRONIC CLEANER

An excellent precision cleaning solvent that instantly penetrates hard-to-reach areas in electronic components and contacts.

- Instantly removes dirt, oil, grease, flux & other contaminants on contact.
- Helps prevent contact failure or malfunction.
- Evaporates quickly, leaves no residue.
- Harmless to most plastic & paper tapes.



Part No. 211553 (12)
(CRC No. 05103)
11 fl. oz. net wt. (312g)

*This product is **EXTREMELY FLAMMABLE.** Do not apply while equipment is energized.

CRC® HEAVY DUTY DEGREASER

Dissolves grease, oil, corrosion and silicone on mechanical brake & clutches, motors, dies & molds, bearings, generators and compressors.

- Has no flash or fire point.
- Evaporates fast and leaves no residue.
- Non-conductive, non-corrosive, non-staining.
- Authorized by USDA for use in federally inspected meat and poultry plants.

Patented MSDS(L)™ Label!



Part No. 211570 (12)
(CRC No. 03095)
19 oz. net wt. (538g)

VELOUR & CARPET CLEANER and SPOT REMOVER

Removes spots & stains from carpet, velour and upholstery in minutes.

- Safe on all fibers.
- Leaves no circle or ring.
- For all automotive or industrial applications.

TOP TEN SELLER





Part No. 211334 (12)
18.75 oz. net weight (532g)

SURE SOLV

Sure to solve all of your clean up needs.

- Easy to use, wipes on/off & leaves no residue.
- Safe & effective, will not damage most painted surfaces.
- Fast flashing formula leaves no lingering odors.

Use it for: removing sealants, adhesives, waxes, uncured urethanes, stains, grease spots, paint overspray, road tar, chewing gum, spot cleaning and surface prep.



(PSS041914)

Part No. 44491 (Aerosol 16 oz.)
Part No. 44492 (32 oz. Liquid)

MRO CLEANERS

ANNIHILATOR Tar and Asphalt Remover

- A highly concentrated heavy duty tar and asphalt remover. Also can be used to remove mastics and adhesives.
- Non-chlorinated and will emulsify tar and asphalt with speed and ease.
- Formulated with safety in mind, it has a high flash point and is rated as non-flammable by DOT.
- Specifically formulated for cleaning equipment that comes in contact with tar and asphalt.
- Provides deep penetration and extra softening of tar and asphalt so that it can be easily removed with pressure washing.

(PSS070113)





Part No. 44466G5
5 Gallon Pail

Part No. 44466G55
55 Gallon Drum

Where to Use:
- Undercoating
- Motors and chassis
- Floors
- Truck & bus exterior
- Truck beds
- Asphalt equipment
- Shovels

Key Features:
- 100% organic
- Fast acting
- Can be diluted
- Spray or brush on
- Easily rinsed off

BREAK OUT - Floating Lift Station Degreaser

Cuts oil, grease and deposits while controlling foam.

BEFORE USING "BREAKOUT"



AFTER USING "BREAKOUT"



Part No. 44410G5
(5 Gallon Pail)
(PSS042114)

Mainly used by:
Waste water treatment plants, **large facilities like:** universities, hospitals & municipalities.

Contains NO Chlorinated Solvents

- Solvent based concentrate to aid digesters, lift stations and primary ponds.
- Floats on water to concentrate action at the water line.
- Helps reduce scum blanket build up.
- Reduces concrete erosion and protects costly equipment.
- Non-hazardous.
- Easily cuts & removes oil, grease, soot & scum.
- Great for sewer lines, pumping stations, mains, wet walls, lift stations, digesters & sludge compartments.
- Will not affect BOD or COD levels.
- Controls foaming in the aeration tank.
- Pleasantly scented.

MARVALOSA MULTI-PURPOSE CLEANER and DEODORIZER



- Marvalosa commercial grade dirt eraser with fresh long lasting lavender fragrance.
- Clean & deodorize in a single time saving step.
- Highly concentrated.
- Rinses freely, leaves no residue.

(PSS080614)

Part No. 44499G1
1 gallon container

Economical

OIL VANISH™ Oil Stain Remover

Treats up to 10 times more than competitors' products.

- Instantly removes the toughest, stubborn oil stains - new or old.
- Provides immediate results - No waiting.
- Penetrates deeply into the surface to lift & eliminate stains.
- Outperforms degreaser and poultice type (stone) cleaners.
- **Easy-to-Use: Apply, Scrub and Rinse.**

(PSS021716)



Part No. 211223
32 oz. Container

Part No. 211223G5
5 Gallon Container

Part No. 211223G55
55 Gallon Container

Removes:
- Motor Oil • Anti-Freeze • Brake Fluid
- Diesel Fuel • Grease • Hydraulic Fluid
- Power Steering Fluid • Trans Fluid
- Tar • Other oil-based stains



Part No. 211224
16 oz. Net Wt. Aerosol

Works On:
- Driveways
- Garage Floors
- Patios
- Parking Areas
- Drive-throughs
- Basement Floors

Safe On:
- Concrete
- Asphalt / Blacktop
- Brick
- Pavers
- Masonry Surfaces

COIL FOAM - Non-Acid Coil Cleaner & Renovator

Highly concentrated, industrial strength, liquid coil cleaner.





Part No. 44401
E-Z Sprayer & Holster

Part No. 44402G1-4
(Case quantities of 4 ONLY)
(PSS031511)

- Superior foaming action produces a thick clinging foam for extended contact time.
- Simply dilute to desired strength.
- Spray on and rinse off.
- Fast acting, non-fuming, non-acid.
- Penetrates, cleans & reconditions, fully renovates and restores dirty coils.

Used by: HVAC techs, schools, building superintendents, hospitals, nursing homes, restaurants.

DRAGON GRANULES

- Industrial strength granular cleaner.
- Dissolves grease, oil, dirt from concrete & other washable surfaces.
- Powerful cleaning & degreasing.
- Mild abrasive action for deep cleaning.
- Hard water tolerant.
- Fast acting, hard working & biodegradable.
- Deodorizes as it cleans, fresh orange scent.
- Free rinsing.

Part No. 444101-25
25 lb. container

Part No. 444101-50
50 lb. container

Part No. 444101-100
100 lb. container



(PSS121514)

"SHOP MAGIC" HEAVY DUTY ALKALINE FLOOR CLEANER

Removes grease, oil, fats, carbon, wax, ink, tar, asphalt & other stubborn soils.

- Apply with auto scrubbers, mop, brush or pump sprayer.
- Low foaming, free rinsing, non-acid cleaner.
- Contains biodegradable surfactants.
- Dilute with hot or warm water for best results.



(PSS080414)

Part No. 44437G1
1 gallon container

Part No. 44437G5
5 gallon container

HAND CLEANERS

VERY CHERRY MULTI-PURPOSE
Premoistened Waterless Hand & Surface Towels

Cherry scented formula will not irritate or dry out skin. Use anytime & anywhere.

Cleans:
Hands, tools, machinery, equipment, pipes, tough soils, metal surfaces, sealed wood, vinyl & ceramic tile & non-porous surfaces

Removes:
Grease, oil, dirt, tar & asphalt, brake dust, water based inks & grime

Industries:
Airports, construction, marine, automotive maintenance, machine operating, oil field drilling & transportation



NO CFCs

MADE IN THE U.S.A.

(PSS092817)

Part No. 901033
Size: 8" x 12"
Count: 90 towels

KAPOW TOWELS
Knocks Out Those Tough Cleaning Jobs

Heavy duty pre-moistened cleaning towels that consists of specially formulated dissolving agents for grease and grime. They also have "Kapow" beads on one side to provide a slightly rough texture when more cleaning help is needed.

- No water needed – clean up anywhere.
- Convenient size package.
- Economical since it replaces cleaners & rags.
- Non-flammable .
- Safe on your skin – contains vitamin E & aloe
- Non-shredding.

Solves these cleaning problems:

Odors from hands	Tar & asphalt
Carpet spots	Gasket cement
Permanent marker	Paints & varnishes
Nail polish	Coffee stains
Labels & residue	Crayon marks
Most graffiti	Tree pitch
Caulking	Plumbers cement

* Pre-testing is recommended on certain plastic surfaces. Do not use on any item with a protective finish.*



(PSS101510)

Dual textured: rough on one side and smooth on the other

Part No. 901035
Size: 9" x 12"
Count: 80 towels

Rough Tough® SCRUBS® In-A-Bucket
Waterless Hand Cleaner Towels

- Highly-absorbent, non-scratching, pre-moistened, heavy duty towel containing pumice scrubbing power.
- Loosens, dissolves, absorbs and holds residue without redepositing on hands, leaving hands clean & protected.

Dissolves & Removes:
Dirt, Sealants, Adhesives, Oils, Heavy Grease, Tar, Ink, Paint, Caulk, and much more.



Contains germ-fighting Triclosan

Part No. 422072 6
Towel size: 10-1/2" x 12-1/4"
72 towels per container

E-Z WIPES HEAVY DUTY WATERLESS HAND CLEANER TOWELS

A combination of powerful cleaning agents with an absorbent, non-scratching hand towel.

- Quick cleaning at the work site.
- Course textured, deep cleaning wipes.
- Clean after-feel with no residue.
- Contains antiseptic agent.
- Natural citrus oil formula.
- U.S.D.A. authorized, E-4 (Pending).
- Fragrance: natural, light citrus.



Best On Following Soils:
- Grease
- Oils and lubricants
- Adhesives
- Inks and more

Keep a bucket close to your workplace

Part No. 13199 6
wipe size: 10" x 12"
90 wipes per container

• Portable • Convenient • Effective •

Conditioning Agents: Glycerin • Vitamin E • Aloe Vera

GOJO FAST WIPES

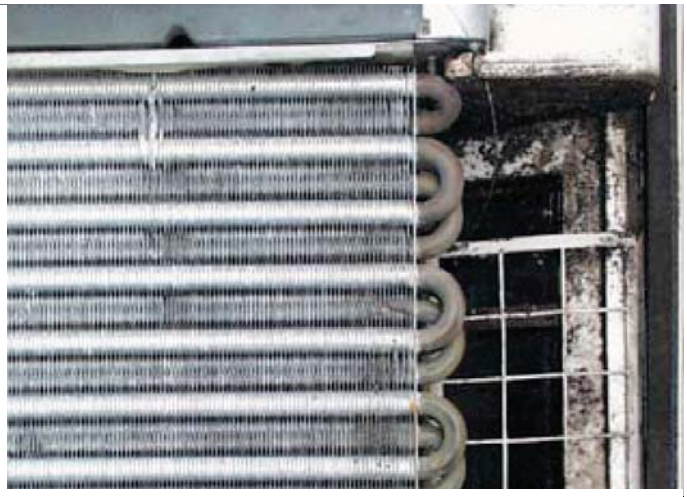
GOJO Fast Wipes premoistened heavy duty hand cleaning towels are a one-step clean-up.

- Durable, absorbent, non-woven material.
- Impregnated with fast-acting orange cleaning formula.
- Fortified with vitamin E and aloe to protect hands.
- A "must" for remote work areas, mobile repair trucks, wreckers, utility crews, etc.



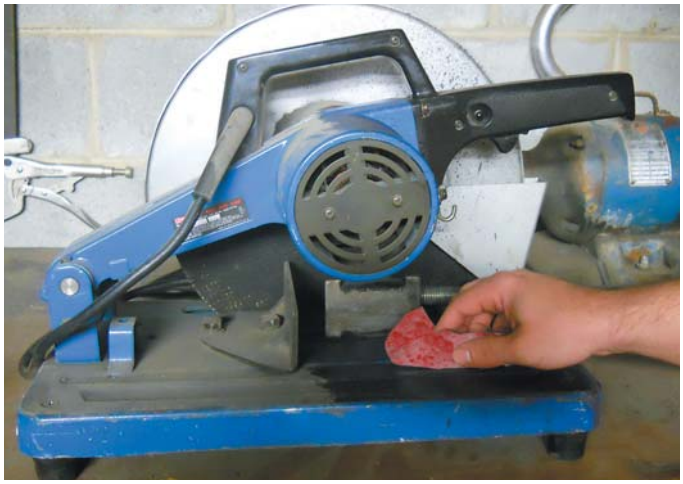
PART NUMBER	DESCRIPTION	QTY
GOJ6298	130 count bucket	4

C SECTION CHEMICALS & PAINTS















HAND CLEANERS

CGB CHERRY GRIME BUSTER HAND CLEANER

Used by automotive, maintenance, tool & machine, print shops, truck & equipment repair facilities and construction areas.



- Super thick concentrated formula stays on your hands during washing.
- Low solvent formula.
- Pumice based for tough grease, oil, dirt and grime.
- Contains superior emollients to reduce dry and cracked hands.
- Mild cherry scent effectively overcomes residual odors.
- Use 1/2 the soap, get twice the results.
- Similar to Zep Cherry Bomb.

Part No. 13182
120 fl. oz. 3.55 liters
Dispenser sold separately, Part No. 13184

(PSS071416)



Part No. 13178
18 fl. oz. Portable Squeeze Bottle



Lifetime Dispenser
Part No. 13184

"WONDER" PREMIUM HAND CLEANER

Non-solvent formula eliminates drying & cracking of your skin



- Contains the Anti-Microbial "PCMX", superior skin emollients and skin conditioners.
- No dyes or perfumes.
- Contains natural walnut shell scrubbers.
- Thick concentrated formula reduces hand soap use by up to 75%.
- Washes away completely with no greasy residue.
- No phosphates
- Low Cost per use with Metered DIspenser.

Part No. 13181 4
120 fl. oz. 3.55 liters
Dispenser sold separately, Part No. 13184



Part No. 13183
18 fl. oz. Portable Squeeze Bottle

(SMP111209)



Lifetime Dispenser
Part No. 13184

WORX ALL NATURAL HAND CLEANER

A super concentrated "hands-on" cleaning solution formula for removing mechanics grease, oil & grime, fresh paint/primers & wood stains, carbon & soot.

- 100% organic and 100% biodegradable.
- Cleans & conditions hands.
- Lasts longer and more economical.
- Ideal for repeated, daily use.
- Removes odors.

(PSS091717)







Contains NO petroleum solvents!

PART NUMBER	DESCRIPTION	QTY
111100	1lb. Shaker Bottle	12
111300	4-1/2 lb. Bottle, fits 119999 Dispenser	4
119999	Industrial Dispenser with Shelf	

When mixed with water it may be used to clean jewelry, golf grips/clubs, automobiles, showers, floors, sinks, glass mirrors, ceramics, as a bug remover, dish soap, degreaser & laundry detergent.

GOJO HAND CLEANERS

PRO 2000 Industrial Dispensing System



GOJ7200 PRO 2000™ Industrial Dispenser - For shop floor wash stations. For 2000 ml. refills (sold below). Black plastic 7w x 5-3/4d x 16-1/2h



GOJ7255 4 **Natural Orange Hand Cleaner -** Economical waterless style. For moderate grease and medium soils. Fine Italian pumice enhances cleaning. Petroleum-free citrus formula 2000 ml.

GOJ7265 4 **Multi Green™ Hand Cleaner -** With scrubbing particles. Triple duty for light, medium, and heavy soils. Petroleum free. 2000 ml.

GOJ7272 PRO 2000 mL™ Supro Max™ Multi-Purpose Heavy Duty Hand Cleaner - Fast and effective lotion hand cleaner removes tough or sticky soils and adhesives. Unique blend of cleaners, skin conditioners and gentle scrubbers. Ideal for plant-wide use, body shops or wherever difficult soils are found. Apply to dry hands, then rinse. Non-drying formula.

GOJ7295 4 **Power Gold™ Hand Cleaner w/Crushables® -** Fast, thorough cleaning of the heaviest dirt. Advanced scrubbing particles gently remove grease & grime. No harsh solvents. 2000 ml.



C12

HAND CLEANERS

PUMICIZED HAND CLEANERS and UNIQUE DISPENSING SYSTEMS



- Easy, quick-changing, no-mess Refill Tank empties 100% – NO WASTE.
- Reservoir back-up allows reloading at your convenience.
- System SAVES 30-40% over other systems.
- Time-tested, heavy-duty pump mechanism is guaranteed for life.
- See-through window lets user know when refill can be changed.
- Foil seal on refill locks in freshness and eliminates tampering.
- Snap-in/Snap-out features lock reservoir and refill tank in place.

REFILL ALSO FITS ZEP MANUFACTURING CO.'S D-4000 DISPENSER (ALL MODELS)

Part No. **13300**

You'll get 1000-ml more capacity with this system. For a total of 5000-ml

Waste-FREE profit stream



- System includes: Proprietary, unique patented dispenser, reservoir and mounting plate for use with 4000-ml refill tanks.
- Color: Stay-clean black dispenser & mounting plate; see-through white refill tank & reservoir.
- Capacity: 1000-ml reservoir plus 4000-ml refill tank gives user a 5000-ml system.

ECONOMICAL DISPENSING OPTIONS



Part No. **13301**
DISPOSABLE DISPENSER - FOR 4000-ML TANK
If you prefer not to use our Part No. 13300 Dispensing System for the 4000-ML container, you can use the **Part No. 13301 Pump Top Dispenser.** It gives you a low-cost, portable option for use with our lotion hand cleaners available in the 4000-ML tank.

ZEP #D-4000 DISPENSER

With a 1 Gallon Container

Delivers 729 applications



4000-ML CONTAINER

Also Fits Zep #D-4000 Dispenser

Delivers 1444 applications





Our Part No. **13300** **Dispensing System** is used with a 4000-ML Container

Our **NEW** 4000-ML Container

10% More Soap Than Competitor's 1 Gallon

OUR HAND CLEANERS

PART NUMBER	DESCRIPTION	COLOR
13312	Gladiator Hand Cleaner	Cherry Vanilla
13313	Citra-Clean Hand Cleaner	Lime Green

Almost Twice As Many Applications As The Zep Dispenser and 1 Gallon Container

PUMICIZED CHERRY GLADIATOR - Conditioner Enriched Hand Cleaner



A premium, heavy-duty lotion hand cleaner effective for removing the toughest soils.
It can also be used with Zep Manufacturing's D-4000 dispenser.

- **FRAGRANCE:** Wild cherry
- **Color:** Cherry vanilla
- **Viscosity:** Lotion
- No petroleum odor
- Deep cleans with fine-ground, american pumice
- No nonylphenol ethoxylates (NPE)
- Contains an antimicrobial agent
- Complies with USA State VOC Regs
- Use 4000-ml with our 13300 dispensing system
- Outperforms competitor's cherry hand cleaners

SKIN CARE INGREDIENTS
• Almond Oil • Soy Oil • Glycerin • Lanolin
• Jojoba • Aloe Vera • Wheat Germ Extract
• Vitamin A, C and E

BEST ON FOLLOWING SOILS
• Greases • Oil and Lubricants • Inks
• Industrial Carbon • Asphalt and More

PUMICIZED CITRA-CLEAN Conditioner Enriched Hand Cleaner



An all natural cleansing formula that deep cleans your hands, leaving skin moist & fresh smelling - not dry and chapped. Cleans up with or without water. No harsh solvents or toxins, non-irritating, biodegradable and safe to use. **It can also be used with Zep Manufacturing's D-4000 dispenser.**

- **FRAGRANCE:** Natural fresh citrus
- **Color:** Lime green
- **Viscosity:** Lotion
- Citrus oils / no petroleum solvents
- Contains an antimicrobial agent
- No nonylphenol ethoxylates (NPE)
- Enriched with 9 skin care ingredients
- Complies with USA State VOC Regs
- Use 4000-ml with our 13300 dispensing system

SKIN CARE INGREDIENTS
• Almond Oil • Soy Oil • Glycerin • Jojoba
• Aloe Vera • Wheat Germ Extract
• Vitamin A, C and E

BEST ON FOLLOWING SOILS
• Greases • Pipe Dope • Cutting Oil
• Undercoating • Inks and More

BEST ON FOLLOWING ODORS
• Fish • Onions • Gasoline • Garlic • Smoke

HAND CLEANERS

PURELL INSTANT HAND SANITIZER

For use by healthcare, food service, hospitals, nursing homes, restaurants, police, emergency medical personnel, general office use.



- Kills 99.9% of germs that may cause illness in as little as 15 seconds.
- Use anytime, anyplace without water or towels.
- AQUELL™ moisturizing system leaves hands feeling soft & smooth; no stickiness or residue. Contains aloe and vitamin E.
- Hypoallergenic, dermatologist tested. Non-toxic.

GOJ9652 (12)
8 fl. oz.

GOJO HAND MEDIC



- GOJO guarantees hands will look and feel better in 14 days - when used as directed.
- Conditions, protects and heals rough cracked hands.
- Unique antiseptic formula.

PART NUMBER	DESCRIPTION	QTY
GOJ8142	2 oz. bottle	12

O'KEEFFE'S WORKING HANDS & HEALTHY FEET

Soothes and protects severely dry, cracked, rough skin on hands & feet.





- Safe and effective with long lasting moisture.
- Guaranteed relief in days.
- Non-greasy.
- Unscented.
- Penetrates with a high level of glycerin.
- Forms a protective barrier to lock in moisture.
- Safe for diabetics.

Working Hands
Part No. 813292
3 oz. tube

(PSS111715)

Healthy Feet
Part No. 813293
3 oz. tube

INVISIBLE GLOVE™ BARRIER CREAM

Protects hands from grease, dirt, oil and paint.



- No need for gloves.
- Thin film protects pores, cracks and fingernails.
- Not greasy - actually improves grip on tools.
- Easy clean up - just soap and water.

Part No. 211476 (12)
5 oz. tube

GENT-L-KLEEN WATERLESS HAND CLEANERS

TOP TEN SELLER





- Dissolves grime, keeps it in suspension and lifts it from the skin & pores.
- High grade synthetic solvents quickly remove grease, tar, paint, grime, ink, adhesives & more.
- Conditions the skin, leaves hands smooth & soft.
- Unique cans fit most other brand dispensers.

SMOOTH PART NO.	PUMICIZED PART NO.	DESCRIPTION (DISPENSER NOT INCLUDED)	QTY
13179	**13176**	4-1/2 lb. Can (Cream)	6

WALL MOUNT DISPENSER



- Fits Part No.'s 13176 and 13179.

Part No. 13186
Fits 4-1/2 lb. can

Citra-Clean™ All natural, organic hand cleaner, with Di-Limonene



Part No. 13191 4
1 Gallon Jug (Lotion)
STANDARD PUMP INCLUDED

- Natural orange oils - no petroleum solvents.
- Biodegradable, fresh orange scent, environmentally safe.
- Removes grease, grime, oil, tar, ink and adhesives. Especially good for paint and urethanes, yet won't dry or chap hands.
- Cleans with or without water.



OPTIONAL

Guaranteed For Life,
provided it is used with **our hand cleaner**

Part No. 13188
Fits Part No. 13191 gallon jug.

LIFETIME DISPENSER

Citrus based cleaners destroy plastic pumps. Our durable lifetime dispenser is the only long lasting solution.

C12

AUTOMOTIVE CLEANERS

BRAKE CLEANERS

Available in non-chlorinated or non-flammable formulas. Quickly removes brake fluid, grease, oil, and other contaminants instantly. Helps brakes last longer and perform more efficiently. Use on brake linings, pads, drums, rotors, cylinders, calipers, brake parts, clutch discs, cv joints and general purpose cleaning of parts & equipment.

NON-CHLORINATED BRAKE CLEAN

- High strength cleaning action.
- Evaporates rapidly.
- Leaves no residue.
- Replaces 1,1,1 Trichloroethane and chlorinated solvent degreasers.
- Contains no known ozone depleting substances.
- Non-staining and non-corrosive.
- Use where compliance issues may require a chlorine-free product.



TOP TEN SELLER

Part No. 13116 (24)
15 oz. net weight (425g)

NOTE: This product is labeled extremely flammable. Read and observe the special usage warning on the label. Not for use on energized equipment.

LOW VOC BRAKE & PARTS CLEANER

- No chlorinated solvents.
- Powerful spray.
- Instantly degreases.
- Compliant for use in OTC and LADCO states.
- No ozone depleting substances.
- No fouled waste oil.
- Leaves no residue.
- Safe for all metal parts.
- Removes brake fluid, grease and oil.
- Fast cleaning, high strength.
- Hexane & Toluene free.



Part No. 213116 (24)
14.39 oz. net weight (408g)
(PSS100610)

Non-chlorinated solvents weigh less than equal amounts of chlorinated solvents. Both products featured on this page contain the same volume of liquid solvent.

NON-FLAMMABLE BRAKE CLEANER and PARTS DEGREASER

- Fast cleaning action.
- Degreases instantly.
- Leaves no residue.
- Contains no CFC's, 1,1,1Trichloroethane or any ozone depleting solvents.
- No flash or fire point.
- Non-corrosive and non-staining.
- Safely cleans electric motors, starters and electrical terminals.

CAUTION: May be harmful to some plastics and paints. Test on a small area before using.



TOP TEN SELLER

Part No. 211330 (24)
20 oz. net weight (567g) (1.250 lb.)

PERMATEX® BRAKE CLEANING WIPES™

A water-based cleaner with no VOC's that cleans and protects rotors and drums against corrosion.

- Removes oil and impurities from the rotor surface.
- Promotes pad wear-in and improved performance.
- Cleans and protects rotors from corrosion.
- Contains no VOC's.
- Prevents brake squeal.
- Can be used to clean other brake parts such as cables, bolts, etc.



Part No. 812291
50 Wipe Canister
(PSS122115)

BRAKLEEN® NON-FLAMMABLE BRAKE PARTS CLEANER

Non-Flammable Formula.

- Quickly removes brake dust, brake fluid, grease, and other contaminants from all types of brake systems including ABS.
- Cleans fast and dries faster!



Part No. 211577 (12)
(CRC05089)
19 oz. net weight

BRAKLEEN® NON-CHLORINATED & LOW VOC BRAKE PARTS CLEANER

Contains no chlorinated solvents.

- Use where compliance calls for a chlorine-free product.
- Quickly removes brake fluid, grease, oil and other contaminants from brake linings and pads.
- Cleans fast, dries fast, leaves no residue.
- Degreases instantly.
- Works without disassembly.



Part No. 211576 (12)
(CRC05084)
14 oz. net weight

PERMATEX® NON-CHLORINATED BRAKE & PARTS CLEANER

All brake systems, c.v. joints, machinery, tools, farm equipment.

- Penetrates, dissolves and removes dirt and oil from brake systems and metal parts.
- Safer for aluminum.
- Leaves no contaminant - attracting residue or chlorinated solvent run-off.
- Helps manage EPA halide limits.
- Level 3 s flammability.



Part No. 211554 (12)
Permatex No. 82220
14.5 oz. net wt. (410g)

PERMATEX® BRAKE & PARTS CLEANER

Non-Flammable

All brake systems, c.v. joints, machinery, tools, farm machinery.

- Penetrates, dissolves and removes oil, grease and brake fluids.
- Dries fast with no residue.
- Contains no ODC's.
- Pro-strength developed for brake professionals.
- Eliminates the need to disassemble.



Part No. 211566 (12)
Permatex No. 82606
19 oz. net wt. (538g)

AUTOMOTIVE CLEANERS

AIR INTAKE SYSTEM CLEANER

Cleans air intake system of fuel injected cars without damaging special surface coatings or sensitive components.



- Especially formulated to safely clean sensitive components in the air intake system. Use in place of regular carburetor cleaners which can damage fuel injection system components.
- Cleans, lubricates and provides anti-corrosion protection for throttle valves, throttle bodies & idle controls.
- Safe on special surface coatings & delicate component materials. Will not harm oxygen sensor or catalytic converters.

Can will spray from any angle, even upside down.

Part No. 211415 (12) Aerosol
14.75 oz. net weight (418g)

MASS AIR FLOW SENSOR CLEANER

Proven to gain 4-10 horsepower at the wheel.

The safe and effective alternative to "underground" methods of MAF sensor cleaning.



- Plastic safe & leaves no residue.
- Increases horsepower.
- Decreases hesitation & pinging.
- Improves fuel economy & MPG.
- Reduces rough idle.

Part No. 211588 (12)
(CRC05110)
11 oz. net wt. (312g)

CRC® BATTERY CLEANER

For use on battery terminals, casing, cable connectors, and retainer frames.



- Spray on and rinse off with water.
- Reduces voltage leakage due to contaminants.
- Helps prevent corrosion.
- Assures maximum battery current flow.

Part No. 211567 (12)
(CRC No. 05023)
11oz. net wt. (312g)

BATTERY CLEANER and PROTECTOR

Two products in one can, cleans & protects.



- Penetrates, dissolves and neutralizes corrosion and acid build-up on all storage batteries.
- Leaves protective seal against future corrosion.
- Increases electrical conductivity & prolongs battery life.
- Color: Red.

TOP TEN SELLER

NEW EPA Compliant Formula
No MCL, CFC's or Trichloroethane

Part No. 13139 (24)
14oz. net wt. (397g)

BERKEBILE 2 + 2 GUM CUTTER

Cleans carburetors, choke & PCV valves.



- Works instantly.
- Cleans metal parts.
- Safe for use with catalytic converters.
- Oxygen sensor safe.

Part No. 211558 (12)
Berkebile No. B101
13 oz. net wt. (368g)

THROTTLE BODY & AIR-INTAKE CLEANER

Removes baked-on gaskets in minutes.



- Cleans air-intakes, throttle valves, throttle bodies and linkages on fuel-injected gasoline engines (both throttle body & multi-port).
- Safe for use on coated throttle bodies.
- Low VOC formula.
- <0°F flash point.
- Extremely flammable.
- Do not apply while equipment is energized.

Part No. 211639 12
(CRC05078)
12 oz. net wt.

CRC® GDI IVD™ INTAKE VALVE CLEANER

PROVEN to remove up to 46% of carbon buildup on intake valves in the first hour after use.



- Excellent GDI (gasoline direct injection) valve deposit removal.
- Dissolves and lifts deposits from ALL TYPES of gasoline powered engines.
- Delivers concentrated COzol® chemistry directly to the valves.
- Safe on turbos and intercoolers.
- Increases power and torque.
- Unique **Dual-Action** spray system.
- Improves fuel economy.
- Stabilizes rough idle.

150X more concentrated than premium fuel additives!

(PSS122215)

Part No. 211602 (12) Aerosol
(CRC05319)
11 oz. net weight (312g)

PERMATEX® BATTERY CLEANER



- Spray it on and wash off.
- Works in just three minutes.

Suggested applications:
Automotive, marine, farm machinery and motorcycle batteries.

Part No. 211586 (12)
Permatex No. 80369
5.75 oz. net weight

CRC® BATTERY TERMINAL PROTECTOR

For any vehicle battery.



- This lead-free protective coating formula is designed to protect from corrosion, a leading cause of hard starting & battery failure.
- Formulated for aerosol applications.
- Dries quickly & protects instantly.
- Color: Red.

Part No. 211568 (12)
(CRC No. 05046)
7.5 oz. net wt. (213g)

CARB-SOLV

Cleans carburetors, chokes and PCV valves.



- Works faster and better than ordinary carburetor cleaners by instantly dissolving gum, varnish, grease, carbon and oil. Prevents corrosion.
- **Available 3 ways:**
  Power Pulsating aerosol spray hammers away heavy build-up.
  Hi-Delivery aerosol spray to flush away large areas of deposits.
  Bulk Refill for users of rechargeable compressed air sprayers.

Part No. 211340 (24)
Power Pulsating Aerosol
14.75 oz. net weight (418g)

Part No. 211341 (24)
Hi-Delivery Aerosol
14.75 oz. net weight (418g)

(See Section C14 for this cost effective alternative.)

AUTOMOTIVE CLEANERS and APPEARANCE PRODUCTS

GASKET REMOVER



Removes baked-on gaskets in minutes.

- Outperforms all others gasket removers & strippers.
- Our gasket remover is the better way to do a tough job faster & faster.
- Removes gaskets from any type of metal even in high temp areas, paint, shellac, varnish and most other synthetic finishes, tar and asphalt from construction equipment, hard-to-get-off simulated automotive wood paneling and decals where painted surface is also to be removed.

Part No. 13145 (12)
19 oz. net weight (538g)

LIQUID CAR & TRUCK WASH CONCENTRATE



- Non-streaking, fast rinsing, shine enhancing, biodegradable & outperforms all others.
- Costs less than powders, which contain 80% or more Carbonate of Soda or Sodium Sulfate.
- High foam, low viscosity that won't inhibit flow like the thick, high viscosity liquids. DON'T BE FOOLED. Concentrated doesn't always mean thick. Hand & machine use.
- Dilution rate: mix 1-2 oz. per bucket of water (2-1/2 to 3 gal).

Part No. 211206G1 4
1 gallon container

Part No. 211206G55
55 gallon container

GUNK® ENGINE DEGREASER



Degreases engines & equipment.

- Quickly removes grease & grime.
- The original self-emulsifying degreaser.
- Use on automobile, power mower, marine, industrial machinery and farm tractors.

Part No. 211564 (12)
Gunk No. EB1
16 oz. net wt. (453g)

GLASS CLEAR



Does not streak or stain!!

TOP TEN SELLER

- Cleans surfaces fast and easy through foaming action.
- Just spray it on and wipe it off immediately for sparkling clean surfaces every time.
- Leaves no sticky film to attract dirt.
- Contains ammonia for effective grease cutting.
- Cuts dirt and grime, removes smoke film.

Part No. 211301 (12)
19 oz. net weight (538g)

GLASS MULTI-USE CLEANER



- Cleans glass, mirrors, acrylic, plastic, fiberglass, vinyl, chrome and stainless steel surfaces without leaving a hazy film.
- Perfect for use at home, on cars, trucks, boats, planes & recreational vehicles.
- Formulated without harsh chemicals.
- Streak FREE!

Part No. 211565 (12)
(CRC05401)
10 oz. net weight

DE-SOLV-IT - Engine and Equipment Degreaser



Degreases engines and equipment.

- Specially formulated to remove dirt, grease and oil from all mechanical engines, machinery, tools and even greasy floors.
- Simply spray on DE-SOLV-IT - it penetrates through layers of dirt, grease and grime, down to the metal itself.
- Biodegradable formula emulsifies grease and oil.

Part No. 13111 6
1 lb. 2 oz. net wt. (510g)

CHEWING GUM REMOVER

Removes chewing gum, candle wax, putty, gummy candy and more.



- Works great on carpets, upholstery, vinyl, leather, fabrics, plastics, glass and metal.
- Instantly freezes material to be removed.
- Will not harm or stain surfaces.
- Leaves no residue.
- Contains NO CFC'S or Ozone depleting ingredients.

Part No. 211466 12
6-3/4 oz. net weight (191g)

"SUPER SCRUB" TRUCK & BUS WASH CONCENTRATE



(PSS011914)

- Highly concentrated - should be diluted 1:50 prior to use.
- Penetrates and lifts dirt away without harming the surface.
- Rinses away with no streaks or residues.
- Helps protect vehicle surfaces from rust and corrosion.
- Phosphate Free - non-toxic formula is safe and earth friendly.

Part No. 44484G5
5 gallon container

Part No. 44484G55
55 gallon container

CRYSTAL CLEAR



- Removes dirt, grease & grime on hard surfaces.
- Heavy duty foam clings & penetrates soils.
- No dripping, running or build-up on surfaces.
- Especially great in body shops.
- Cleans, restores and shines.

Ammonia & Silicone FREE

Part No. 211629 (12)
19 oz. net weight (538g)
(PSS070710)

VINYL, LEATHER and PLASTIC CLEANER and CONDITIONER

Cleans, brightens and restores the "New Look" in just one easy step.





- Safe - will not harm fabric, chrome or paint.
- Will not crack, peel or craze.
- Use on vinyl tops, convertible tops, dashboards, seats, floor panels etc.

Part No. 211335 (12)
14.75 oz. net weight (418g)

APPEARANCE PRODUCTS

PRO-TECH "WET LOOK" HIGH GLOSS DETAIL DRESSING

A no-fuss brightener for vinyl, rubber & plastic. Use on tires, trim, bumpers, moldings and exterior surfaces. Also on interior vinyl & plastic surfaces.



- Works instantly, no wiping.
- Long lasting, clear, non-foaming formula provides a water resistant high gloss shine.
- Great for hard-to-reach places.
- Contains silicone.
- Watermelon scent.



Part No. 211453 (12)
12 oz. net weight (340g)

FOAMING TIRE CLEAN & SHINE

Cleans and shines tires, mud flaps and rubber bumpers. Excellent underhood cleaner and dressing.

- 1-Step Formula.
- Two products in one. Amazing foaming action, cleans and shines without washing or wiping.
- Easy to use. Simply spray it on and walk away.
- Large size aerosol can contains enough product to clean, shine and protect up to 30 tires.
- Will not harm tires, bumpers, aluminum wheels or paint.



Part No. 211337 (12)
13 oz. net wt (368g)

SPEED CLAY

Professional results without the clay bar mess!

- Removes debris, contaminates and dead pigments that washing and polishing can't.
- Will not harm paint.
- Easy one step process.
- Foam on – wipe off.
- Restores showroom shine.



Part No. 444108 12
6 oz. net weight (170g)
(PSS092415)

"GLEAM BEAM" HEADLIGHT RESTORER

- Cleans and polishes in one step.
- Built in UV protector.
- Removes film, dirt, grime and UV damage, lines, acid rain and yellowing.
- Transforms cloudy headlights to like new.



CLEANS 12 HEADLIGHTS



Part No. 444109
6 fl. oz. Net Weight
(PSS092315)

TOUCH SCREEN CLEANER

Safely removes oils, grime & other abrasive stains.

- Gently & effectively cleans touch screens.
- Wipes away fingerprints.
- Compact size bottle (approx. 4 oz.) fits anywhere.
- Comes with a microfiber cloth to prevent surface scratches (micofiber cloth 6-1/4" square).

Use on: vehicle DVD displays, GPS, navigation screens, tablets, laptops and cell phones



Part No. 211389
100 ml net weight (3.28 oz.)
(PSS060716)

SPEEDY WAX

Sprays on in minutes to get a showroom shine. Provides protection, water beading and shine that lasts for weeks without buffing.

- Wax in minutes.
- No waiting.
- Showroom shine.
- No buffing necessary.
- No powder or dusting.





Part No. 211204 (12)
16 oz. net weight (454g)
(PSS052914)

VELOUR & CARPET CLEANER and SPOT REMOVER

Removes spots & stains from carpet, velour and upholstery in minutes.

- Safe on all fibers.
- Leaves no circle or ring.
- For all automotive or industrial applications.







Part No. 211334 (12)
18.75 oz. net weight (532g)

ZORRO REJUVENATOR, PROTECTANT & TIRE DRESSING

- Safe for use in paint & body shops.
- Rich, satin like, non-oily, like new finish.
- Protects against harsh elements/ conditions, brake dust and UV damage.
- Prevents fading, drying & cracking.
- Use on rubber, vinyl, consoles, window, trims, bumpers, floormats, tire sidewalls, door panels, dash & running boards.



Part No. 444100 12
32 oz. Quarts
(with trigger sprayer)

Part No. 444100G1 4
128 oz. Gallons
(PSS080114)

"GLEAM BEAM" HEADLIGHT RESTORER KIT

- Cleans and polishes in one step.
- Built in UV protector.
- Removes film, dirt, grime and UV damage, lines, acid rain and yellowing.
- Transforms cloudy headlights to like new.



Cloths Included.

CLEANS 4 HEADLIGHTS



Part No. 444110
2.8 fl. oz. Net Weight
(PSS092215)

HEADLIGHT LENS RESTORER

Rated #1 by the world's largest independent test lab.

- This Nano optical grade polish has been formulated to work on all plastic, lexan & glass auto lens covers.
- It will permanently remove yellowing, haze cloudiness, light scratches, bugs, road debris & micro pitting. Perfect finish every time.
- Improves & repairs damage - giving you clear sight of the road.
- Safe & chemical free, no coatings or fillers.



Part No. 812373

APPEARANCE PRODUCTS

WIPE OFF/WAX ON Waterless Car Wash



Long lasting protection from acid rain, UV damage, everyday dirt & grime and oxidation.

- Cleans, protects & shines.
- Washes & waxes vehicle without water.
- Leaves a hard shell wax shine.
- Contains carnauba wax.
- No prewashing required.
- Use on metal, chrome and windows.
- No buckets, no hoses & no mess.
- Great for water restrictions, anytime uses, cold weather washing.

Part No. 124304 (12)
17 oz. net weight (482g)

NO CFCs

(PSS112717)

INSTA-SHINE Clear Non-Silicone Coating



Safe for use where the presence of silicone may interfere with coatings.

- Brightens plastic and vinyl surfaces.
- Works instantly, no wiping required.
- Provides a water-resistant high gloss shine.
- Protects against weathering, fading & cracking.
- Safe for paint & body shops.

Part No. 211519 (12)
20 oz. Aerosol, net weight (11.5 oz.)

NO CFCs

(PSS112817)

SPRAY PAINTS / ACCESSORIES and TOOLS

(PSS020216)

COVER-ALL HIGH SOLIDS ENAMEL PAINT

For Automotive, Industrial & MRO Applications

Use on: vehicle frames, machinery, racks, bins, tanks, piping, ornamental iron, PVC, wood & more!

- The premium solids formula results in using less cans of product to get the job done right, the first time.
- COVER-ALL provides the highest coverage per ounce.
- One can is equivalent to using four cans of low solids, less expensive brands.
- Maximum protection to a wide variety of metal.
- Excellent spray characteristics.
- Protects against weathering, rust, oil, gasoline and corrosive chemicals.
- High opacity and great durability.
- Direct to metal.
- Tough and Effective.





DESCRIPTION	PART NUMBER	QTY
Lt. Gray Primer	**124252**	12
Gloss White	**124251**	12
Flat White	**124257**	12
New Equip. Yellow	**124255**	12
Safety Yellow	**124260**	12
School Bus Yellow	**124269**	6
Omaha Orange	**124266**	12
Safety Orange	**124261**	12
Red Iron Oxide	**124253**	12
Safety Red	**124262**	12
Dark Green	**124267**	12

20 fluid oz., 16 oz. net weight

DESCRIPTION	PART NUMBER	QTY
Safety Blue	**124263**	12
Deep Blue	**124268**	12
Aluminum	**124264**	12
Gray ANSI 61	**124258**	12
Lt. Machinery Gray ANSI 70	**124256**	12
Dk. Machinery Gray ANSI 49	**124259**	12
Gloss Black	**124250**	12
Flat Black	**124254**	12
Semi Gloss Black	**124265**	12

COVER-ALL STRIPE INVERTED TIP

- For ground marking applications where high visibility is required.
- Excellent spray characteristics, bright colors & tough film help to provide bold, crisp vivid marking lines on horizontal surfaces.
- Special formulated one pass application.
- Use on gravel, grass, concrete, asphalt, soil & dirt.



DESCRIPTION	PART NUMBER	QTY
White	**124270**	12
Utility Yellow	**124275**	12
Alert Orange	**124273**	12
Fluorescent Orange	**124276**	12
Safety Red	**124274**	12
Safety Green	**124272**	12
Precaution Blue	**124271**	12

20 fluid oz., 17 oz. net weight

COVER-ALL STRIPE TRAFFIC

- Ideally suited for striping concrete, asphalt & other surfaces where high visibility is required.
- Fast drying & non clogging.
- Use on parking lots, construction sites, warehouse aisles, apartment complexes & fairgrounds.



DESCRIPTION	PART NUMBER	QTY
White	**124280**	12
Traffic Yellow	**124281**	12
Handicap Dk. Blue	**124282**	12

20 fluid oz., 18 oz. net weight

(PSS020216)

COVER-ALL STRIPE ATHLETIC FIELD

- Use where high visibility is required.
- Durable enamel coating, provides vivid stripes.
- Specially formulated for athletic fields, golf courses, football, soccer & baseball fields.
- Inverted tip fits most athletic striping machines.
- Use on grass, dirt, clay & some synthetic turf surfaces.



DESCRIPTION	PART NUMBER	QTY
White	**124285**	12

20 fluid oz., 18 oz. net weight

(PSS020216)

C13

SPRAY PAINTS / ACCESSORIES and TOOLS

STRIPE INVERTED TIP MARKER



High quality, heavy duty, no-clog, fast drying formula that contains no CFC's, methylene chloride or lead. Water-base formula will not harm the grass & won't wash away since it is not water soluble. Full range of American Public Works Association approved colors for use in marking construction & excavation sites, underground utility or traffic safety. Exclusive spray tip/can are designed to operate in an inverted position.

Applicator:
Stripe Marking Gun **Part No. 124172** or
Marking Wand **Part No. 124171**

DESCRIPTION	PART NUMBER	QTY
White	**124150**	12
Utility Yellow	**124155**	12
Alert Orange	**124153**	12
Fluorescent Orange	**124158**	12

DESCRIPTION	PART NUMBER	QTY
Safety Red	**124154**	12
Safety Green	**124152**	12
Precaution Blue	**124151**	12

20 fluid oz., 17.7 oz. net weight

MRO HIGH SOLIDS INDUSTRIAL PAINT



- Single-coat hiding power. Excellent gloss retention.
- V.O.C. compliant. No lead, CFC's, chromates or chlorinated solvents.
- Protects against weather, rust, oil, gasoline, chemicals and rough service.
- Withstands high humidity, splash & pray. Very good abrasion resistance.
- Heat resistance up to 250°F.

✔ Using fewer cans of MRO saves you time and money: One 20 oz. can of MRO = Four 16 oz. cans of Low Solids Promotional Brand.

*Meets OSHA safety color and ANSI specification Z53-1

20 fluid oz., 16 oz. net wt

DESCRIPTION	PART NUMBER	QTY
Light Gray Primer	**124169**	12
Red Iron Oxide Primer	**124168**	12
Gloss White*	**124113**	12
Flat White	**124109**	12
New Cat Yellow	**124159**	12
Ryder Yellow	**124160**	12
Safety Yellow*	**124114**	12
School Bus Yellow	**124225**	6
Omaha Orange	**124167**	12
Safety Orange*	**124115**	12
Safety Red*	**124116**	12

DESCRIPTION	PART NUMBER	QTY
Dark Green	**124178**	12
Safety Blue*	**124118**	12
Deep Blue	**124183**	12
Aluminum	**124112**	12
Stainless Steel	**124146**	12
Gray ANSI 61	**124147**	12
Gray ANSI 70	**124110**	12
Gray ANSI 49	**124148**	12
Gloss Black*	**124119**	12
Flat Black	**124157**	12

STRIPE GOLF COURSE MARKER



For golf course/other porous surface apps. Water-base formula will not harm the grass & won't wash away since it is not water soluble. Contains no CFC's, methylene chloride and is VOC compliant. Exclusive spray tip design operates in the inverted position which allows less waste. Non-clogging formula. Long lasting, bright, vivid color.

Applicator:
Stripe Marking Gun
Part No. 124172 or
Marking Wand
Part No. 124171

DESCRIPTION	PART NUMBER	QTY
White	**124162**	12
Red	**124163**	12

16 fluid oz., 13.5 oz. net weight

Universal Tip Works in almost all competitor's machines & marking wands

STRIPE TRAFFIC MARKER



Water based formula that won't wash away. Easy-to-apply, long lasting, high pigment solids that contains no CFC's, methylene chloride & less VOC solvents. Vivid colors for any surface, from concrete or blacktop to gravel or dirt. Non-clogging with one pass coverage.

Applicator:
Stripe Traffic Marking Machine
Part No. 124130 or
Curb Marking Wand
Part No. 124180

DESCRIPTION	PART NUMBER	QTY
Traffic White	**124132**	12
Traffic Yellow	**124131**	12
Handicap Lt. Blue	**124129**	12
Handicap Dk. Blue	**124127**	12

20 fluid oz., 17.7 oz. net weight

STRIPE ATHLETIC FIELD MARKER



Safe on turf and the environment.

- Specially formulated, water-base paint.
- Will not harm grass.
- Not water soluble - will not wash away.

Applicator: Athletic Marker Machine **Part No. 124179** or Curb Marker Wand **Part No. 124180**

DESCRIPTION	PART NUMBER	QTY
White	**124164**	12

20 fluid oz., 18 oz. net weight

STRIPE APPLICATOR TOOLS (FOR STRIPE PAINT PRODUCTS)

TRAFFIC MACHINE



Use with Stripe Traffic Paints. Easy-to-use and applies crisp, even 2" to 4" lines to concrete or asphalt.

Part No. 124130

MARKING WAND



Use with all Stripe Inverted Tip Marking Paints. Lightweight tool for a wide range of marking apps.

Part No. 124171

CURB MARKING WAND

Compact & lightweight for marking curbs, applying numbers & logos on concrete, asphalt and athletic fields. Use with Traffic Marker and Athletic Field Marker Paints. *Features larger size turf wheel.*

Part No. 124180

MARKING GUN



Compact & lightweight, ideal for free-hand marking with any Stripe Inverted Tip Marking Paint.

Part No. 124172

SPRAY PAINTS

HARDWARE PAINT

Economy grade spray paint for general purpose marking, touch-up, machinery & maintenance applications.

- Provides a long lasting finish.
- Fast drying.
- Non-smudging.

Engine Colors Available:



DESCRIPTION	PART NUMBER	QTY
International Red	**124212**	12
Universal Aluminum	**124206**	12
New Caterplllar Yellow / Autumn Gold	**124199**	12
Chevrolet Orange	**124204**	12
Detroit Green / Alpine Green	**124200**	12
Cummins Beige	**124198**	12
Universal Gray Engine	**124210**	12
Universal Black Engine	**124209**	12

16 fluid oz., 10 oz. net weight

DESCRIPTION	PART NUMBER	QTY
Clear	**124211**	12
Red Oxide Primer	**124184**	12
Gray Primer	**124187**	12
Gloss White	**124188**	12
Yellow	**124193**	12
Omaha Orange	**124202**	12
Bright Gold	**124207**	12
Red	**124192**	12

DESCRIPTION	PART NUMBER	QTY
Blue	**124194**	12
Dull Aluminum	**124201**	12
Bright Silver	**124203**	12
Light Gray	**124205**	12
Machine Gray	**124208**	12
Gloss Black	**124189**	12
Semi-Gloss Black	**124190**	12
Flat Black	**124191**	12

16 fluid oz., 10 oz. net weight

STAINLESS STEEL

Corrosion resistant paint.

- Provides maximum protection.
- Looks exactly like, and is, stainless steel.
- Contains 100% stainless steel, type 316 pigment.



Part No. 124111 (12)
16 fluid oz., 12.3 oz. net weight

CAST BLAST

Cast iron gray spray paint.

Restores a new cast iron look to:

- Engine block heads.
- Intake manifolds.
- Transmission housings.
- Water pumps.
- Any cast iron.
- Temperature range to 350°F.

Special Quick Dry Formula!



Part No. 124108 (12)
16 fluid oz.,11.7 oz. net weight

CEILING TILE - NEW WHITE

- A water based formulation for touching up stains that appear on both textured and accoustical ceiling tiles.
- Designed to spray in the upright position for easy overhead applications.
- Will not warp or sag tiles.



Part No. 124226 12
20 fluid oz., 16 oz. net weight

ZINC GALVANIZING COMPOUND

For apps. where metal is subjected to corrosion & rust.

- Protection equal to hot-dipped galvanizing.
- Highly resistant to salt corrosion & water.
- Epoxy resin binder.
- Can be top coated with conventional primers & finishes. Avoid lacquers & alkyds.



Zinc Rich Cold Galvanize

Part No. 211303 (12)
16 fl. oz. / 13 oz. net weight (369g)
Dark Gray Matte Finish

Part No. 211304 (12)
16 fl. oz. / 12 oz. net weight (340g)
Bright Metallic Silver Finish

FLUORESCENT SPRAY PAINT

Four times brighter than conventional colors.

Use on boats, equipment and aircraft, anywhere that visibility is vital.

- Quick drying.
- Used in mines to mark all beams and rocks.
- Adheres well to damp surfaces in mines.



DESCRIPTION	PART NUMBER	QTY
Fluorescent Orange	**12494**	12

16 fluid oz., 10.9 oz. net weight

ALUMI BLAST

A unique spray paint.

Makes restored, worn & pitted aluminum parts look brand *NEW*!

- Non-smudging, easy to apply.
- Won't rub off, keeps parts looking good longer.
- Gives aluminum and zinc die-cast parts such as alternators, calipers, water pumps, heads, transmission housings, etc. -that "fresh-from-the-factory" look!



Part No. 124107 (12)
16 fluid oz.,11.9 oz. net weight

CHROME-BRITE

The almost like chrome spray paint.

- Excellent for touch-up on chrome or almost any surface where a chrome-like finish is desired.
- Restores the new chrome appearance of bumpers, grills, furniture, light fixtures, hubcaps and wheels, etc.



Part No. 12495
16 fluid oz., 12.1 oz. net weight

FLEXIBLE BUMPER & TRIM PAINTS

- High solids, fast drying, flexible formula.
- Formulated to refinish plastic and metal bumpers and trim components.
- High quality refinish duplicates OE appearance.
- Contents 16 fluid oz., 12-3/4 oz. net wt. Available in single cans or six packs.



PART NUMBER	QTY	COLOR	DESCRIPTION
124135	6	Satin Black	Low gloss matches foreign and domestic bumpers & trim.

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SPRAY PAINTS / COATINGS

HI-TECH ENGINE COATINGS



- Gasoline, rust and chemical resistant; heat resistant up to 300°F.
- High performance OEM colors.
- Superior durability under a variety of stress conditions.
- Excellent for automotive, above water marine and fleet applications.

FORD BLUE
Part No. 12483 6
16 fluid oz.,12 oz. net weight

ANTI-SLIP EPOXY COATING

Synthetic grit for interior or exterior use on concrete, steel, wood, fiberglass, aluminum and other surfaces.



- Increases safety - maximum slip resistance.
- Stands up to heavy traffic under both wet and dry conditions.
- Stands up to oils, gasoline, and other solvents, dilute acids. deicing salts and more.
- Dries quickly: Dries in about an hour. Ready for traffic in 24 hours.

DESCRIPTION	PART NUMBER	QTY
Clear	**124101**	12
OSHA Yellow	**124104**	12

16 fluid oz., 12 oz. net weight

SPRAY GUN PAINT REMOVER

Quickly dissolves paint with pinpoint spray.



- Spray Gun Paint Remover will keep paint guns running smoothly, saving time, labor and material.
- Spray Gun Remover is an easy to use economical product for removing paint from spray guns after painting.
- Designed to remove hard, cured paint build-up from spray guns, eliminating wear and tear on the equipment.

Part No. 444105
15 oz. net weight (425g)

PSS081315

SPECIALTY TOP COAT

INSTANT CLEAR COAT

PSS113016



- Ready to use clear coat aerosol.
- Achieves a UV resistant, durable finish.
- Fast drying formula cures to a very high gloss and mirror image depth.

FOR USE ON:
Replacement parts, door jambs, hood & trunk jambs, cut ins, small spots and panel repairs.

Part No. 444115
12 fl. oz. / 340g

CONTAINS NO ISOCYANATES

PAINT STRIPPER

SUPER STRENGTH - FAST ACTING

Use on acrylics, lacquers, polyurethanes and baked enamels.



- Efficiently removes finish from metal surfaces of cars, trucks, & equipment.
- Non-corrosive to all common metals under normal exposure.
- Works well on shellac and varnish covered wood surfaces.

Part No. 124120 (12)
19 oz. (1 lb. 3 oz.) net weight (538g)

TAMPER SEAL

Use to mark fasteners, plugs, seals, speedometer cables, locks, latches and closures.

- For lube shops, car rental agencies, new and used car dealerships, equipment rental, radio and TV repair shops, service contractors.
- Place a dab against the fastener. Any attempt to loosen, adjust or remove it will break the seal leaving evidence of tampering.
- Visible proof for warranty claims.

DESCRIPTION	PART NUMBER	QTY
Yellow 1.6 oz	**211102**	6
Red 1.6 oz	**211102R**	6
Blue 1.6 oz	**211102B**	6

ONE STEP AUTOMOTIVE SELF ETCH PRIMER



- ONE STEP is a high build, easy to use self etch primer that provides excellent adhesion for additional topcoats, primers, and sealers to metal.
- Compatible with all primer surfacers for spot repair and refinishing.
- Apply to steel, aluminum, most metals and other substrates.
- Good filling characteristics.
- Fast drying.

PSS081415

COLOR	PART NUMBER
Grey	**444103**
Black	**444104**

15 oz. net weight (425 g)

TRUCK BED COATING

Thick black sealant forms a protective skin that's both tough & flexible



- Durable textured coating.
- Can be applied directly to metal.
- Hides small imperfections.
- Fast cure time & excellent adhesion.
- Protects against corrosion & abrasion.
- Withstands impacts.
- Provides improved traction.
- Resists water.
- Greatly extends equipment & vehicle life expectancy.

PSS091217

FOR USE ON: Truck beds, trailers vehicle panels, wheel wells, bumpers, roll bars, running bars and repair liners.

Part No. 124303
15 fl. oz. / 425g

SPRAY PAINTS / COATINGS

(PSS121614)

FLEX PROTECT
METAL PARTS PROTECTOR - CORROSION INHIBITOR



- Provides indoor & outdoor protection with a long lasting anti-rust, anti-corrosion film that is resistant to salt sprays, harsh weather, humidity & chemical vapors. Seals out moisture, pollutants and air.
- Contains a unique amber flex dust that expands & contracts with all metal surfaces to prevent cracking & peeling.
- Meets Military Specifications: MIL-C-16173D & MIL-C-83933A
- For parts that require long term storage or transportation.

NO CFCs

MADE IN THE U.S.A.

Part No. 211331 (12)
15 oz. net weight (425g)

"POWER GRIP" BELT DRESSING

Restores belt surfaces to "new" condition. Eliminates slippage and power loss.



- Deep penetration to the innermost fibers. Renews and revitalizes all automotive and industrial V-belts.
- Prevents dry rot, reduces stretching and wear.
- Removes and prevents glazing and hardening.
- Leaves no gummy deposit to attract dirt and cause wear.

Part No. 13110 (12)
12 oz. net weight (340g)

GRAVEL GUARD II

Premium quality, 100% rubber base undercoating.



- Black OE coarse textured finish.
- Professional body shop formula.
- Adheres well to bare metal or painted surfaces.
- Resists salt spray, weathering and gravel abrasion.
- Prevents rust, deadens sound, seals and protects.
- Expands & contracts automatically with weather changes - will not harden & crack.

Quick drying, paintable!

Part No. 211317 (12)
17.25 oz. net weight (503g)

"EXTEND" RUST DESTROYING SANDABLE PRIMER

Used to restore highly finished autobody surfaces, decorative metals, etc.



- Forms a protective polymer coating that prevents future rust when coated with oil-based paint or lacquer.
- Requires light surface sanding before applying.
- Can be dry-sanded to a featheredge.
- Is white when applied, then turns black.
- Cleans up easily with water.

Part No. 812356
Permatex No. 79DA
10.25 oz. net wt. (290g)

SP-400™ CORROSION INHIBITOR

SP-400™ is an easily removable film that will provide protection of all equipment subject to severely corrosive atmospheres.



- Long term protection (up to 2 years outdoors) for all metals during shipment or extended storage.
- Firm, waxy film is highly resistant to heat, humidity, chemicals, salt spray and never becomes brittle.
- Seals out moisture completely.

Patented MSDS(L)™ Label!

Part No. 211585 (12)
(CRC03282)
10 oz. net wt. (284g)

CRC® BELT DRESSING

Eliminates slippage on flat, round or V-belts.



- Extends belt life by improving traction.
- Reduces belt tension.
- Tacky, non-drying film resists being washed off.
- Authorized by USDA for use in federally inspected meat and poultry plants.

Patented MSDS(L)™ Label!

Part No. 211572 (12)
(CRC03065)
10 oz. net wt. (284g)

PERMATEX® HEAVY DUTY RUBBERIZED UNDERCOATING

Now with an improved formula! Rubberized for maximum durability, seals, protects and insulates. Excellent professional blend all-purpose coating.



Suggested Applications:
Automotive frames, rocker panels and wheels. Other uses include sealing gutters, roofs, drain systems and tree pruning.

Part No. 813283 12
20 oz. aerosol can,16 oz. net weight (454g)

SEAL-IT
MULTI PURPOSE SEALANT

Use on skylights, flashings, air vents, PVC, concrete, shingles, gutters, driveway, sidewalk cracks, roofs of semi-trailers, campers & homes.



- Protects against UV light and resists temperature extremes.
- Coating remains flexible & will not crack or peel.
- Impervious to water.
- Abrasion resistant.
- Seals out rust & corrosion.

(PSS022412)

DESCRIPTION	PART NUMBER	QTY
Black	**44448**	12
Clear	**44459**	12

15 oz. net weight (425g)

FLEXI-FILM
CORROSION PROTECTION



- Comparable & simila product to: Fluid-Film.
- Enhanced OEM formula.
- Selected by a major OEM auto manufacturer.
- Protects all types of metal parts.
- Penetrating and coating action.
- Displaces & prevents moisture.
- Lubricates sliding surfaces to prevent binding.
- Will not dry up & flake off.

(PSS071316)

Part No. 211377 (12)
11.99 oz. net weight (340g)

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COMPLETE LIST OF AVAILABLE PAINTS & COLORS

In all categories primer's are listed first, followed by colors listed in order from lightest to darkest shades.

GENERAL USE ENAMELS PAINTS

PART NO.	DESCRIPTION	QTY
12415	Lt. Gray Primer	12
12428	Gloss Clear	12
12406	Gloss White	12
12496	Gloss Hunter Green	12
12405	Aluminum	12
124111	Stainless Steel Paint	6
12495	Chrome Paint	6
12407	Gloss Black	12
12412	Flat Black	12
12410	Semi Gloss Black	6

SPECIALTY PAINTS

PART NO.	DESCRIPTION	QTY
12494	Orange Fluorescent	12
12483	Ford Blue Engine	6
12469	1200° Aluminum Hi-Heat	12
124107	AlumiBlast	6
124108	Cast Blast	6
211304	Bright Zinc Galvanizing Compound	12
211303	Zinc Galvanizing Compound	12
12425	Satin Black (Underhood) Lacquer	12
12471	1200° Black Hi-Heat	12
12417	Gloss Black - Lacquer	12
124226	Ceiling Tile - New White	12
124303	Truck Bed Coating - Black	12

TRACTOR and IMPLEMENT PAINT (enamel)

PART NO.	DESCRIPTION	QTY
12497	New Deere Yellow	12
12487	IHC Red	12
12498	New Deere Green	12

HARDWARE PAINT

PART NO.	DESCRIPTION	QTY
124184	Red Oxide Primer	12
124187	Gray Primer	12
124211	Clear	12
124188	Gloss White	12
124193	Yellow	12
124199	Autumn Gold / New CAT Yellow	12
124198	Cummins Beige	12
124202	Omaha Orange	12
124204	Chevrolet Orange	12
124207	Bright Gold	12
124192	Red	12
124200	Detroit Green	12
124194	Blue	12
124203	Bright Silver	12
124206	Universal Aluminum	12
124201	Dull Aluminum	12
124205	Light Gray	12
124208	Machinery Gray	12
124210	Universal Gray Engine	12
124190	Semi-Gloss Black	12
124189	Gloss Black	12
124191	Flat Black	12
124209	Universal Black Engine	12
124212	International Red	12

SAFE-STEP COATING

PART NO.	DESCRIPTION	QTY
124101	Clear	12
124104	OSHA Yellow	12

COVER-ALL HIGH SOLIDS ENAMEL PAINTS

PART NO.	DESCRIPTION	QTY
124252	Lt. Gray Primer	12
124251	Gloss White	12
124257	Flat White	12
124255	New Equipment Yellow	12
124260	Safety Yellow	12
124269	School Bus Yellow	6
124266	Omaha Orange	12
124261	Safety Orange	12
124253	Red Iron Oxide	12
124262	Safety Red	12
124267	Dark Green	12
124263	Safety Blue	12
124268	Deep Blue	12
124264	Aluminum	12
124258	Gray ANSI 61	12
124256	Light Machinery Gray ANSI 70	12
124259	Dark Machinery Gray ANSI 40	12
124250	Gloss Black	12
124254	Flat Black	12
124265	Semi Gloss Black	12

MRO HIGH SOLIDS INDUSTRIAL PAINTS

PART NO.	DESCRIPTION	QTY
124169	Lt. Gray Primer	12
124168	Red Iron Oxide Primer	12
124113	Gloss White*	12
124109	Flat White	12
124159	New Cat Yellow	12
124160	Ryder Yellow	12
124114	Safety Yellow*	12
124225	School Bus Yellow	6
124167	Omaha Orange	12
124115	Safety Orange*	12
124116	Safety Red*	12
124178	Dark Green	12
124118	Safety Blue*	12
124183	Deep Blue	12
124112	Aluminum	12
124146	Stainless Steel	12
124147	Gray ANSI 61	12
124110	Light Machinery Gray ANSI 70	12
124148	Dark Machinery Gray ANSI 49	12
124119	Gloss Black*	12
124157	Flat Black	12

***Meets OSHA/ANSI Specifications.**

COMPLETE LIST OF AVAILABLE PAINTS & COLORS

In all categories primer's are listed first, followed by colors listed in order from lightest to darkest shades.

COVER-ALL STRIPE PAINTS

COVER-ALL Stripe Athletic Field

PART NO.	DESCRIPTION	QTY
124285	White	12

COVER-ALL Stripe Inverted Tip

PART NO.	DESCRIPTION	QTY
124270	White	12
124275	Utility Yellow	12
124273	Alert Orange	12
124276	Fluorescent Orange	12
124274	Safety Red	12
124272	Safety Green	12
124271	Precaution Blue	12

COVER-ALL Stripe Traffic

PART NO.	DESCRIPTION	QTY
124280	White	12
124281	Traffic Yellow	12
124282	Handicap Dark Blue	12

STRIPE PAINTS

Stripe Athletic Field Marker

PART NO.	DESCRIPTION	QTY
124164	White	12

Stripe Golf Course Marker

PART NO.	DESCRIPTION	QTY
124162	White	12
124163	Red	12

Stripe Inverted Tip Marker

PART NO.	DESCRIPTION	QTY
124150	White	12
124155	Utility Yellow	12
124153	Alert Orange	12
124158	Fluorescent Orange	12
124154	Safety Red	12
124152	Safety Green	12
124151	Precaution Blue	12

Stripe Traffic Marker

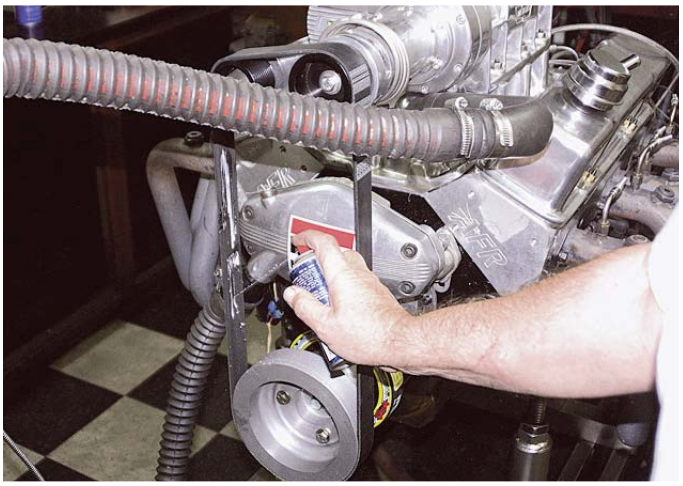
PART NO.	DESCRIPTION	QTY
124132	Traffic White	12
124131	Traffic Yellow	12
124129	Handicap Light Blue	12
124127	Handicap Dark Blue	12

C SECTION
CHEMICALS & PAINTS













SPECIALTY ITEMS

WASP & HORNET KILLER PLUS™



Wasp & Hornet Killer PLUS™ is a fast-acting, high strength insecticide that knocks down and kills wasps, hornets, fire ants, scorpions and black widow spiders on contact. It features a high dielectric strength of 40,100 volts.

- Non-Chlorinated formulation.
- Plastic safe.
- Reaches over 20 feet.
- "Material Safety Data Sheet" right on the label.

Part No. 211310
14 oz. net wt. (397g) (Contents 20 fluid oz.)

ASSAULT II
CRAWLING & FLYING INSECT KILLER



DUAL PURPOSE SPRAYER
Cone spray for flying insects
Stream spray for crawling insects

- Water-based.
- Residual up to 60 days.
- May be used as a fogger.
- May be used for mosquito control.

For commercial/agricultural use. Use outdoors, in homes, and non-food areas of food/feed processing establishments, kennels, commercial buildings, warehouses, theaters, office buidlings, schools, motels & hotels, bedding & furniture. Active ingredient...25% Premethrin.

(PSS050111) **Part No. 44420**
17 oz. net wt. (482g) (Contents 20 fluid oz.)

BUG OFF! (INSECT REPELLENT)

Repels mosquitos*, chiggers, ticks, deer & stable flies, gnats, fleas and biting flies on exposed skin surfaces.



- Pleasant fragrance
- For personal use and clothing
- Highly effective
- Contains 25% deet
- Convenient travel size for those on-the-go and stores in small spaces

(PSS070913)

* Repels Mosquitoes Which May Carry Diseases such as West Nile Virus Encephalitis and Dengue.

Part No. 44475
6 oz. net wt. (170g)

ICE-OFF® SPRAY DE-ICER



- Melts ice from windshields and lock cylinders.

Part No. 211523 (12)
(CRC05346)
12 oz. net weight

LOCK DE-ICER

- Thaws frozen locks quickly and easily.
- Special tip fits into key holes. Simply squirt into lock.



Part No. 211344
1/2 fl. oz.

ZENKILL III - LONG SHOT WASP & HORNET KILLER



- Long range - jet stream sprays up to 20 feet above ground.
- Fast acting, high strength formula instantly knocks down pest.
- Residual action continues to kill as insects return to nest.
- Non-conductive formula has a dielectric strength of 41,000 volts/cm.

(PSS063010)

Part No. 211635
13 oz. net wt. (368g) (Contents 20 fluid oz.)

BACK FLIP
CRAWLING INSECT KILLER



- Protects for up to 4 weeks.
- Quick killing action.
- Residual control.
- Kills hidden bugs.
- No unpleasant odor.
- Non-flammable spray VOC compliant formula.

Recommended for commercial/industrial, household and non-food areas of industrial & institutional buildings, schools, warehouses, garages, office buildings, hotels/motels & more.

(PSS042911)

Part No. 211637
14 oz. net wt. (396g) (Contents 20 fluid oz.)

FLY AWAY WIPES

Water based insect repellent formula.



- No offensive odor.
- Leaves no sticky residue.
- Non-VOC formula.
- Repels mosquitoes that may carry / transmit the West Nile Virus.

Provides up to 4 hours of protection from mosquitoes, black flies, stable flies, sand flies, gnats, chiggers, fleas & ticks. Active ingredient...25% Deet.

(PSS050211)

Part No. 44441
Contains 40 6" x 8" premoistened Towelettes

NON-SELECTIVE HERBICIDES



- **AQUA BROM** is a non-selective herbicide that provides bare ground weed control for extended periods. This potent blend contains 7.5% Lithium salt of Bromacil.
- Highly concentrated, water dilutable formula contains the proven ingredient Bromacil.
- Non-selective herbicide for controlling a wide range of annual and perennial weeds & grasses on non-cropland areas.
- **EPA Registration Number: 10088-82-11547.**

Part No. 44417G1
(case of 4)
1 gallon (Bromacil 7.5%)
Kill time: Approx. 1 week

- **BANISH** is a non-selective weed killer concentrate.
- **Banish** is a water-based, non-selective, total kill herbicide with residual control, strong enough to eliminate hard-to-kill weeds.
- Use to control annuals & perennials.
- Long lasting residual action, soil sterilant.
- Recommended for use only on non-cropland area.
- Controls undesirable woody plants & brush.

Part No. 44418G1
(case of 4)
1 gallon (Bromacil 1.20%)
Kill time: 1 week

(PSS042512)

Excellent for use in areas such as:
Ditches, around electrical equipment, fence rows, driveways, parking lots, patios, brick paths and railroad tracks

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SPECIALTY ITEMS

WINDSHIELD DE-ICER



Quickly and effectively melts frost, frozen snow and ice coatings on windshield, other glass surfaces and locks.

- Melts ice on contact.
- Frees frozen locks.
- Will not harm rubber, metal or plastic surfaces.

Part No. 211404 (12)
12 oz. net weight (340g)

WINDSHIELD WASHER SOLVENT CONCENTRATE



Prevents freezing

De-ices

- Formulated with special de-icing compounds.
- Helps provide clear & safer vision.
- Contains cleaning compounds to remove dirt, oil & road film.
- For use year-round.

For protection to -5°F: 2:1 mix with water
2 parts water / 1 part solvent
For protection to -10°F: 1:1 mix with water
1 part water / 1 part solvent
For Spring & Summer:
Add 4 ounces to reservoir and fill with water.

Part No. 211271 24
16 fl. oz. (1 pt.)

STARTING FLUID with Lubricity



- Assures fast, economical starts in cold or humid conditions.
- Contains an upper cylinder lubricant to minimize wear during cold starts.
- Effective to -65°F below zero.
- For gasoline and diesel engines.
- Spray in air intake or air cleaner while engine is off.

Contains upper cylinder lubricant

Part No. 13117 (12)
11 oz.(312g) net weight

GAS LINE ANTI-FREEZE



Prevents freeze-up and fuel system icing. Recommended for carbureted, fuel injected and turbocharged engines.

- Absorbs moisture.
- Inhibits rust.
- Contains Isopropyl alcohol.
- Safe for fuel injection systems (OE manufacturers strongly advise against use of methanol which will damage injection components.)

Part No. 211456 (24)
12 fl. oz.

GAS STABILIZER (Store-It Start It)



- No need to drain gas from engines stored between seasons.
- Protects from gas deterioration that gums up fuel systems.
- Assures instant start-up. No messy cleanup & costly repairs.
- Ratio of 2 oz.: 1 gallon gasoline.

Part No. 211347
6 oz. can w/measuring cap
Ideal for lawnmowers, outboards, snowmobiles, chainsaws and small gas-fueled engines.

Part No. 211369
20 oz. can w/measuring cap
Cars, trucks, antique & classic autos, RV's, boats, farm equipment, large lawn & garden equipment.

PHASEGUARD4™ ETHANOL FUEL TREATMENT



Protects all 2 and 4 cycle vehicles and equipment from the damaging effects of ethanol in gasoline.

- Protects against corrosion.
- Cleans the entire fuel system.
- Stabilizes fuel for long-term storage.
- Restores power and mileage potential.

Provides the maximum corrosion protection available for E10 to E85 fuel

*Prevents phase separation**

Part No. 211517 12
(CRC06142)
16 fl. oz. net weight

1 oz. 10 gallons for in-season protection.
1 oz. treats 5 gallons for storage.
Stabilizes fuel for 12+ months.

*Has been tested and proven highly effective in controlling phase separation, however once phase separation has occured, fuel cannot be recombined. May not prevent phase separation under the most extreme environmental conditions.

FUEL INJECTOR CLEANER



A must with every tune-up.

- Premium concentrated formula.
- Cleans intake valves, ports, fuel lines, fuel tanks, manifold & PCV valve.
- Disperses water, lubricates injectors.
- **Contains no methanol.**
- Helps stop dieseling and engine run-on.
- For use in unleaded & leaded gasolines, gasohol and diesel fuel.
- Will not harm catalytic converter and all sensors.
- Meets BMW specs. part #88886900307.

Part No. 211401 (12)
12 fl. oz. (355 ml.)

FUEL THERAPY™ FUEL INJECTOR CLEANER PLUS w/Anti-Gel



In weather below 50°F, start using to prevent diesel from waxing & clogging the fuel system.

All the benefits of Fuel Therapy Fuel Injector Cleaner Plus and:

- Prevents diesel fuel gelling.
- Lowers cold filter plug point by as much as 31°F.
- Reliquefies gelled fuel.

Part No. 211618 12
(CRC05412) 12 fl. oz. net wt.
Treats 35 gallons

Part No. 211489
(CRC05432) 1 qt. net wt.
Treats 125 gallons

QUICK FLOW™ EMERGENCY FUEL-GEL RELIEF



Instantly works to dissolve gelled fuel. This product contains anti-gel - no additional products are needed for optium performance.

- Reliquefies gelled fuel in minutes.
- Compare to Power Service Diesel 9•1•1™.
- Thaws frozen fuel filters.
- Totally disperses water.
- Lowers pour point by as much as 35°F.
- Keep in truck for emergencies.

Part No. 211522
(CRC05911) 1 qt. net weight
Treats 30 to 125 gallons

SPECIALTY ITEMS and ODOR CONTROL

POWER STEERING FLUID

- Non-corrosive, non-foaming formula.
- Stops squealing, protects seals and helps prevent abnormal wear.
- Formulated with detergent additives to promote cleaner operating system.



Part No. 211532 6
12 fl oz. (355ml.)

Part No. 211599
Quart, 32 fl oz. (946ml.)

POWER STEERING FLUID for HONDA® VEHICLES

- Specially developed for Honda® and Acura® vehicles.



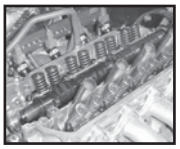
Part No. 211533 6
12 fl. oz. (355ml.)

VALVE / O-RING LUBE and SEAL

- Used for general o-ring & valve lubrication.
- Goes on as a heavy translucent white coating paste with a high dielectric strength to block out moisture and oxidation.
- Used on sanitary, butterfly, gate, ball and automated valves. Also anywhere rubber or plastic o-rings are used for pump packing or vacuum or pressure systems.
- Temp. range -40°F to 400°F.
- **Authorization:** NSF5&61 FDA21 CFR175 300.



Part No. 711745
5.3 oz. net wt. tube



SNOW PLOW OIL

- Improved formula hydraulic fluid.
- Blue non foaming anti wear formula with anti-freeze additive protects to extreme conditions down to (-50°F).

Part No. 711797
32 oz. net wt.

Replaces:
Meyers® 15134
Western49311
Fisher® 28531
Sno-Way® 96005029





10 MINUTE RADIATOR FLUSH

- Dual-action formula quickly removes grease and scum, plus loose rust and scale.
- Ideal for use when changing anti-freeze coolant.
- Contains no acids, requires no neutralizer.
- Safe for use in all cooling systems.



Part No. 211526 12
11 fl. oz.

DOT 3 and DOT 4 BRAKE FLUID

- DOT 3 heavy duty brake fluid meets SAE minimum boiling requirement of 401°F. Excellent for most types of systems, including disc or drum, front or rear wheel drive.
- DOT 4 advanced formula far exceeds SAE requirements of 446°F boiling point. High corrosion resistance. Ideal for high temperature braking systems. OEM specified for ABS brake systems.



TYPE	12 OZ. CONTAINER	QTY	32 OZ. CONTAINER	QTY
DOT 3	**211527**	24	**211528**	12
DOT 4	**---**	-	**211531**	12

SPRAY NINE® DISINFECTANT

Hospital grade EPA registered disinfectant!

- Eliminates harmful viruses (30 seconds), bacteria (45 seconds) & fungi (3 minutes) from hard, non-porous surfaces.
- Also helps control mold & mildew and destroys bacterial odors.



PART NUMBER	SIZE
211598	24 oz. pump spray
211596	32 oz. trigger spray
211597	1 gal.

FRESHWAVE IAQ NATURAL ODOR ELIMINATOR

Commercial strength odor remover:
Fast acting • No fragrance • No perfumes • No masking

READY TO USE AIR & SURFACE

Bonds to & eliminates odor molecules in the air & those that have been penetrated or rested on surfaces or fabrics. (PSS092412)

- Simple to use. Just spray the affected areas and the odor will be permanently eliminated. It will not return unless the source of the odor is introduced again.

Part No. 44463

PART NUMBER	SIZE
44463	32 oz. spray liquid
44414G1	1 gal. liquid
44415G5	5 gal. liquid



GEL FORMULA (PSS092412)

- Open jar & place in problem area.
- Gel will evaporate as it works. Replenish as needed.

Ideal for use in:
Fitness, rest, medical, patient and resident rooms

PART NUMBER	SIZE
44460	8 oz. gel jar
44406	*Gel Holder - Holds 8 oz. size only
44461	16 oz. gel jar
44462	24 oz. gel jar



Part No. 44460



Part No. 44406

*** Holder/Wall Unit - Designed to hold 8 oz. gel, plastic with double faced tape for easy mounting.**

SANITIZE DISINFECTANT and DEODORIZER

For industrial, janitorial and institutional use. Also for hotels, apartments, hospitals, nursing homes, schools, offices and homes. Disinfect telephones, doorknobs, linen carts, hampers, wheel chairs, tables, cabinets, light switches, garbage pails and sinks. Also use to deodorize garbage storage, restrooms & shower stalls.

- Bactericidal/fungicidal - kills germs of bacteria & fungus, controls mildew.
- Spray on surfaces or into air.
- Saves time - just spray and wipe, needs no rinsing.



Part No. 211450 (12)
15 oz. net weight
(PSS111116.211450)

ODOR CONTROL

FRESH N' KOOL

Freshens air for air conditioning systems.



- Spray directly into fresh air intake.
- Removes foul, musty odors from automobile and truck air conditioning systems. Eliminates stale tobacco smoke odor.
- Bactericidal formula eliminates odors caused by mildew and other odor producing organisms.

Part No. 211339 (12)
15 oz. net wt. (425g)

(PSS111416.211339)

CITRO FRESH ODOR ELIMINATOR and DEODORIZER

Patented odor neutralizer powerful enough to eliminate dumpster odors but can be used anywhere!

- Fresh citrus fragrance eliminates maladors.
- Repels flying insects.
- All natural granules eliminate odors at their source.
- Environmentally Safe: Formulated from biodegradable cellulose & contains a natural insect repellant, citronella which is a DEET-free product.





Part No. 211355 12
12 oz. net weight shaker can

MARVALOSA METERED AIR FRESHENER and DISPENSER





(PSS080614)

- Long lasting lavender fragrance.
- 3,000 sprays - effective from rooms up to 6000 cubic/feet.
- Automatic/programmable 24 hour dispenser.
- Dispenser guaranteed for 10 years.

Part No. 44497
2.6 oz, can
MicroAir 3000 air freshener

Part No. 44498
MicroAir 3000 dispenser

Dispenser size:
10-5/8" x 2-1/2" x 2-7/16"

METERED AIR FRESHENER SPRAY



- Use in automatic dispensers.
- Specially formulated to cleanse air of offensive odors.
- Effective in areas up to 6,000 sq. ft.
- Contains an odor counteractment that eliminates odors.
- Dispenses over 3,800 sprays for 40 days when set to activate at 15 minute intervals, 24 hrs. a day.

PART NUMBER	DESCRIPTION	QTY
211121	Green Apple	12
211122	Baby Powder	12
211123	Island Breeze	12

PART NUMBER	DESCRIPTION	QTY
211124	Orchard Spice	12
211148	Lemon Ice	12
211149	Fresh Linen	12

CITRUS MAGIC®

Odor-eliminating air fragrance for use in buildings, vehicles, boats, etc.



- 100% natural citrus ingredients - out performs artificial fragrances found in ordinary air sprays.
- Cleans & freshens the air - works on smoke, food, mildew odors, garbage cans, bathrooms, etc.
- Hypo-allergenic & environmentally safe - even used in hospitals around asthmatics and allergy sufferers.
- Unique pressurized, non-aerosol container - easy & convenient to use without freon, hydrocarbons, etc.

Part No. 211408 (12)
7 fl. oz. Industrial size

ODOR GONE BEAD'S

Long lasting air freshening scent controls odors for 30 days or more.



- Buckets of (24) prepackaged ventilated bags allow the air freshening scent to flow through.
- The 1 oz. bags are small enough to place in any inconspicuous area.

SOLD IN BUCKETS OF 24 ONLY

(PSS070910)

PART NUMBER	DESCRIPTION	SCENT
211621-24	Spring Fresh	Clean
211622-24	Sun Burst	Citrus
211623-24	Peaches/Creme	Lt. Peach

STINKY DRAIN

Stinky Drain Solution is the long-lasting, time saving solution for underutilized drains (also known as dry drain syndrome). Works by blocking the odors in the p-trap.





p-trap

- One bottle lasts for 12 months.
- Works with any fixture that drains.
- Non-Volatile, non-caustic and non-flammable.
- Biodegradable. (PSS052714)

Part No. 44474
16 oz. bottle

BLOCKS NOXIOUS ODORS

AUTOMATIC METERED DISPENSER



- Variable burst rate - adjustable intervals from 5 to 15 minutes.
- Operates up to one year on two D cells.
- High impact poly case, off-white color.
- LED lights indicate 3000 spray cycle.

BATTERIES NOT INCLUDED

Part No. 211100

RELATED PRODUCT
"D" Cell Batteries
Part No. 812902 Duracell
or
Part No. EV-D-12 Eveready

SCENTED ODOR CONTROL PRODUCTS

"CHERRY BLOSSOM AROMA"

Used by: Taxi fleets, car dealers, detailers, motels, apt. complexes, municipal buildings, schools, buses, trains, stores, hospitals, and restaurants.



- Neutralizes indoor & outdoor odors..instantly.
- Mix 4:1 with water for general odor control.
- Will not stain or harm fabrics.
- Leaves a fresh clean scent.

Part No. 211285G1
1 gallon container

"LITTLE TREE" AIR FRESHENERS

- Refills individually packaged with hanger loop - 24 per box.



(PSS101114)

- Pleasantly scented to help eliminate stale & musty odors.



COUNTER TOP DISPLAY
Part No. 811400*
144 pieces, 24 of each of a variety of scents & display rack.
*Actual scents in assortment may vary.

PART NUMBER	DESCRIPTION
811402	No Smoking
811403	Black Ice
811404	Royal Pine
811405	Vanilla
811406	New Car
811407	Cherry
811408	Strawberry
811409	Coconut

SPECIALTY ITEMS

ODORCIDE® 210 CONCENTRATE - SERIOUS ODOR PROBLEMS

Any Surface • Anywhere • Anytime

NOT HAZARDOUS!

Pints Concentrate
16 oz. (474ml)
Part No. 44434
Quarts Ready-To-Use Spray
32 oz. (946ml)
Part No. 44436
Gallons Concentrate
128 oz. (3.79L)
Part No. 44435G1

Guaranteed to Work When Used as Directed



(PSS061311)

- All purpose formula that permanently eliminates deeply imbedded odors.
- Does not mask odors; it eliminates them.
- Immediate results, no dwell time.
- Eliminates serious odors caused by animals, human urine, feces, male cat spray, decaying organic matters, mold & mildew.
- Safe and economical concentrated formula.
- Leaves a pleasant scent.
- Non-toxic, non-irritating, non-flammable.
- Non-staining, non-ionic and non-carcinogenic.
- Biodegradable, water based, non-corrosive.
- Use in restrooms, locker rooms, hospitals, nursing homes
- Fully compatible with detergents, germicides and cleaning agents.

ODORCIDE® 210 CONCENTRATE - DUMPSTER & CHUTE

Not a mask • Not an enzyme

NOT HAZARDOUS!

Pints Concentrate
16 oz. (474ml)
Part No. 44433
Gallons Concentrate
128 oz. (3.79L)
Part No. 44432G1
(PSS061311)

The One That Works



- Specifically formulated to eliminate odors commonly found in trash dumpsters, chutes, garbage cans and the areas surrounding them.
- Eliminates smelly and unclean dumpsters that can lead to serious health code violations.
- Does not mask odors.
- It is not an enzyme.
- Counteracts and absorbs safely and effectively.
- Concentrated formula is very economical.
- Use in hotels, hospitals, restaurants, construction sites, offices, industrial plants and more.

ALKALINE DRAIN OPENER

- Harmless to cast iron, PVC, ABS, steel, rubber gaskets, grease traps and septic tanks.
- Opens A/C condensate lines from slime build up.
- Dissolves x-ray film processing residue.
- Non-fuming institutional grade.
- Fast acting: breaks down tough clogs formed by hair, grease and fat quickly.
- Penetrates through standing water.



(PSS121709)

PART NUMBER	DESCRIPTION	QTY
211513	1 Quart (32fl. oz)	12
211513G1	1 Gallon (3.78L)	4
211513G5	5 Gallon Pail	1

- Stronger than any other alkaline drain opener on the market today.
- No bleach, acid or fillers.

SEWER & DRAIN OPENER

Ready to use • Powerful professional strength

- Sulfuric acid drain opener, 95% virgin, odorless, red color.
- Reacts with organic stoppages to completely disintegrate residues, paper, sanitary napkins, hair & food greases.
- Intended for use by only trained personnel or professional plumbers.
- Will not harm septic systems or pipes.

Do Not Use On Aluminum

Use With Cold Water Only

Part No. 44455 12
1 Quart (32fl. oz.)
(PSS031913)



MILDEW & STAIN REMOVER DEVOUR

Fast acting professional grade ready-to-use formula

- Removes tough mold & mildew stains.
- Cleans, whitens & deodorizes.
- Heavy duty cleaning agents cut through greasy, oily spots.
- Use regularly to prevent mildew and its odors.
- Leaves a fresh “lemon scent”.

Non-hazardous

Part No. 682502
Quart
32 oz. (946ml)
(PSS011613)



P-FREE Uratic Salt Remover

P-FREE is a labor saver, since it cleans, deodorizes and easily removes stains and soils with little or no effort.

- Dissolves uric acid salt build-up, mineral scale & rust.
- Helps eliminate source of odors in urinals.
- Keeps drains free flowing & prevents future build-ups.
- Safe on all plumbing, including PVC plastics & metal pipes.
- Powerful & special blend of acids.
- Fast acting and easy to use.
- Phosphate free.
- Non-flammable.

Part No. 211625
Quart
32 oz. (946ml)
(PSS052810)



HYZYMES - MULTI-ENZYME DIGESTANT & SPOTTER - Liquid Live Bacteria

Rapidly destroys organic matter, stains & noxious odors.

- Highly concentrated, non-pathogenic, non-toxic.
- Fast acting & powerful.
- Eliminates stains & odors.
- NON-HAZARDOUS.
- Pleasant bubblegum fragrance.
- Keeps drain free flowing & prevents future build ups.
- Helps eliminate sources of malodors & stains.
- Safe on plumbing including PVC and metal pipes.

Use on: carpets, drinking fountains, floor drains, grease traps, grease & oils spills, laundry, lift stations, restroom surfaces, septic tanks, sewage plants, sinks, sumps, toilets & urinals and waste holding tanks.

Used in: hospitals, nursing homes, public restrooms, hotels, motels, apartments, schools, universities, animal clinics, garbage collection areas and waste treatment plants.



(PSS052814)

TYPICAL PROPERTIES

- **pH:** 10.0 • **USDA:** L2
- **Appearance:** white milky liquid
- **Enzyme activity:** Excellent breakdown of protiens, carbohydrates, fats, oils, greases, cellulose, detergents, sugars & starches
- **Bacteria count:** 100 billion/gallon
- **Specific gravity:** 1.0

PART NUMBER	DESCRIPTION
44476	1 Quart
44476G1	1 Gallon
44476G1-4	Gallons (4/case)
44476G5	5 Gallon Pail

SPECIALTY ITEMS

DE-FUNK HVAC CLEANER/DEODORIZER



- Strong detergents clean and remove mold, mildew and fungi in A/C systems.
- Completely eliminates germs and odors from evaporators.
- Insert tube directly into the center register vent.
- Safe for all A/C systems.
- Keeps cars fresh smelling.
- Made in U.S.A.

BODY SHOP SAFE

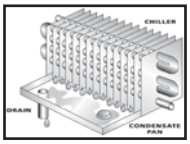
FRESH Lavender Scent

Part No. 444107
9 oz. net wt. (255g)
(PSS092115)

PAN-STICKER GELTABS

- Gel tabs lock into place for long lasting cleaning action in condensate drain pans & lines.
- Cleans sludge, and other stale & musty water odors.
- Works immediately & is long lasting for up to 6 months.
- 100% biodegradable, nothing to throw away.
- Prevents costly repairs, computer room safe.





Part No. 211605
Contains 6 geltabs
(PSS031110)

One Tablet Treats Up To 5 Tons

Used by: hospitals, office buildings, schools, food prep areas, industrial plants & more.

PAN TABLETS

Cleans & prevents build up from plugging condensate drain lines in A/C's

- Improves indoor air quality.
- Breaks up & removes dirt, grime & slime.
- Non-toxic & non-corrosive.
- Controls foul odors.
- Prevents overflows, water damage & maintenance cost.
- Approved for use in computer rooms & humidifiers.



PROUDLY MADE IN THE USA

Cleans Sludge & Scum!

Part No. 211626
Contains 200 tablets
(PSS072817.211626)

INSTANT LIQUID & VOMIT ABSORBENT

"SUPER-SORB"



- Absorbs 60 times its own weight immediately.
- Soaks up vomit, blood, urine and other spills - saves clean-up time.
- Quat and microbicide eliminate odors.
- Ideal for use in grocery stores, restaurants, hospitals, nursing homes, day care facilities, health clinics, school buses, schools, etc.
- Lemon fragrance, granular powder.

Part No. 211359 6
14 oz. net wt.

GRAFFITI & PAINT REMOVAL

Industrial strength disposable towels



- Loosens & dissolves paints, inks, tar, marker, petroleum based stains & tough heavy adhesive.
- Quick, easy & economical.
- Just wipe away & dispose of used towel.
- Ideal for removing permanent marker from school bus seats.

Part No. 901020
70 count / 12" x 9" towel
(PSS012617)

LIQUITUBE

"The Original Liquid Inner Tube"

Premium, heavy duty, preventative maintenance tire sealant. Scientifically developed for Commercial and Industrial tires that are subject to hard and heavy use.



- Permanent seal.
- Good for tire life.
- Seals punctures, rim and bead leaks.
- Helps maintain air pressure.
- 100% water soluble for easy cleanout.
- Does not void tire manufacturer warranties.
- More effective in tubeless tires.
- Keeps tires up to 35° cooler
- Reduces blow-outs
- Non flammable and non hazardous.
- Indefinite shelf life.
- 32 oz. bottle includes installation kit under cap.

1 Gallon Pump dispenses 1 ounce per stroke.



(PSS010716)

PART NUMBER	DESCRIPTION
211384	32 oz. Bottle
211384G1	1 Gallon
211384G5	5 Gallon Pail
211384G55	55 Gallon Drum
211385	5 Gallon Pump
211386	Installation Tool

Installation Tool fills outer tires on dual axles.

Part No. 211386



5 Gallon Pump dispenses 10 ounces per stroke.

Part No. 211385

DISINFECTANT TABLETS

Kills C.diff (Clostridium difficile) in 4 minutes!
BROAD-SPECTRUM DISINFECTANT, VIRUCIDE & MILDEWCIDE



(PSS032917)

- Effective against many strains of bacteria, viruses & fungus.
- EPA registered product.
- Bleach free.
- Effective in both hot & cold water.
- Maintains disinfectanting power for 7 days in a sealed container.
- Disinfects & protects against odors.
- Bottles sold individually or a case of 2.

Part No. 44489 or Part No. 44489-2
120 tablets per bottle - Makes 60 quarts -or- 15 gallons

AIR & GAS LEAK DETECTOR

Instantly identifies leaks in pressurized systems.



- Highly visible bubbles at leak site.
- Won't dissipate like soap and water.
- Water-based formula contains no oils, silicones or harmful solvents.
- Non-flammable, no odor.

Great for detecting leaks in: RV's, cars, trucks, boats, gas lines, refrigeration units, A/C systems, pipes, valves, compressors and more.

Part No. 211601 (12)
1 lb. 2 oz. net wt. (510g)
(PSS122415)

SPECIALTY ITEMS

DRAIN OPENER & CLEANER

Fast acting - works in 60 seconds.



- Odorless - non-acid formula.
- Breaks down clogs in drains & speeds up slow & sludgy build up.
- Reduces costly repair, replacement, cleaning & maintenence.
- Safe for lavatories, kitchens, small drains, grease traps, septic tanks and sewer lines.
- Will not harm pipes, acrylic, chrome trim, fiberglass or porcelain.

Part No. 211514
Net Wt. 1 lb. (453g)
Granular Formula
(PSS091317)

C SECTION CHEMICALS & PAINTS













BULK CHEMICAL ACCESSORIES

(PSS081814.1&2.REV112017)

AUTOMATIC CHEMICAL DOSING SYSTEMS

It's the ideal partner when timed dosing is required. With its flexible programming capability, the pump accurately doses exact amounts of product, so there is no waste or guesswork. Typical applications are drains, cooling towers, boilers and lift stations. Use this pump for dispensing of Drain Punch # 211513 and Hyzymes # 44476.

DRAIN MAINTENANCE PUMP/DISPENSER

• BATTERY OPERATED •

- Peristaltic pump with transaxle technology and Sekoflex tube provide excellent chemical compatibility and resistance to mechanical wear.
- Industry standard timer for intuitive programming of up to 8 dosings per day and up to 7 days per week.
- Dual lantern batteries combined with low consumption motor offer actual pump run time in excess of 50 hours on one set of batteries.



Part No. **44400**

Installation kit included

TECHNICAL DATA
- **Uses 2 12VDC lantern batteries** (not included) (for batteries order **#812908**)
- **No. of feeds/24hours max:** 8
- **Flow Rate: 6 lt/h** (3.5 oz/min)
- **Pressure:** 1.5 PSI
- **Consumption:** 3.5W

EXTENDED BATTERY LIFE!

DRAIN MAINTENANCE PUMP/DISPENSER

• PLUG IN •

- Timed dosing digitally set or measured by calibration.
- Digital display - easy to see.
- Automatic switching to accept 100 - 240 VAC.
- Set up to 48 daily operations.



Part No. **44473**

Installation kit included

TECHNICAL DATA
- **Power 100-240 VAC**
- **No. of feeds/24hours max:** 48
- **Flow Rate: Adj 120 ml/h to 12 l/h** (0.07 oz/min to 6.8 oz/min)
- **Relay Function:** Pump After/before-alarm

✱When dispensing D'Limonene products, use Part No. 44493 Viton Squeeze Tube Assembly, Use Part No. 44494 EPDM Squeeze Tube for Hyzymes or products without D"Limonene (Both Products Are Sold Separately).

7 GPM SIPHON PUMP

- 7 GPM pump for use on 55 gal. drums.
- Recommended for use with: water based fluids, detergents, soaps, waxes, antifreeze and some mild acids.



WARNING: DO NOT use with flammable liquids or concentrated acids. DO NOT use with fluids over 140 degree(s) F.

Part No. **211270**

PLASTIC DRUM PUMP

- Universal. Fits all sizes of drums and pails from 5 gal. up to 55 gal.
- 8 oz. per stroke.
- Complete with adapters to change stroke output to 4 oz. or 2 oz.
- Polyethylene will not rust or corrode.
- Fits 3/4" and 2" drum openings, and 5 gal. pails with Rieke Senior Spout.



Part No. **211260**

HEAVY-DUTY BARREL PUMP

- 2-piece telescoping suction tube fits 30 to 55 gal. drums.
- Pump delivers a full 10 oz. of fluid per stroke.
- Discharge spout thread fits all garden hose fittings.
- Premium powder coated steel pump body with ribbed section aluminum die-cast pump head for maximum strength.
- Complete with a standard 1-1/2" and 2" bung adapter, tough all steel foot valve and piston valve.
- Rugged epoxy finish pump assembly.
- Plated steel lever handle with rubber grip for convenience.
- Wear-resistant brass piston rings fitted onto zinc die-cast piston.



Part No. **211268**

RECOMMENDED for use with oil-based fluids.

METAL DRUM PUMP

- Self priming.
- 22 ounces per stroke.
- Universal use.
- For use with 20, 35 or 55 gallon drums.



CAUTION: NOT to be used in flammable or explosive material or liquid. NOT UL approved.

Part No. **211247**

DRUM FAUCETS

For dispensing liquids from bulk containers.

- Built-in flame arrestor - safe for flammable or non-flammable liquids.
- Brass body - eliminates sparks.
- Accepts padlocks - prevents unauthorized use.



SAFETY FAUCET - Part No. **211478**

SELF CLOSING FAUCET

Part No. **211479**

Similar to above but for non flammable liquids only.

Do not use either with acids, high alkalines or chlorinated solvents.

DRUM PLUG WRENCHES

Easily opens steel, fibre, and plastic drums.

- Universal fit - all plug types.
- 15-1/2" length - and knuckle clearance.



PART NUMBER	USED FOR	CONSTRUCTION
211482	non-flammables only	ductile iron
211484	flammables or non-flammables	manganese - bronze alloy

BULK CHEMICAL ACCESSORIES

DRUM DOLLY

Moves 55 gallon steel and fibre drums.



- Welded steel construction - prevents frame failure.
- Bolted caster for easy replacement.
- Reinforced outrigger design gives greater load stability and caster life.
- 23-1/2" I.D., 6" high, 900 lb. capacity.

Part No. 211480

DRUM CRADLE

To tip, drain, store, rotate and move 55 or 30 gallon steel or fibre drums.



- Telescoping 64" handle - 1 person can easily use it.
- Polyolefin cradle wheels - eliminates spark potential.
- Heavy duty welded braces, carbon steel hook and toe - prevents weld failure.
- Unassembled - UPS shippable. (approx. 50 lbs.)

Part No. 211481
25" high, 12" wide, 20" drain height, 600 lb. capacity

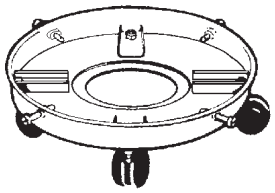
55 GALLON DRUM DRAIN FUNNEL



- Heavy duty plastic, highly durable, resists dents and chemicals.
- Fits 55 gallon drums.
- Eliminates overspills while pouring or transferring liquids.
- Funnel spout fits into the top bung hole for draining purposes.

Part No. 113309

DRUM TROLLEY



- Metal frame.
- Four caster.
- Fits 35 lbs. (5 gal. pail)

Part No. 211289

PLASTIC SPRAYERS - General Purpose

Lightweight



- Copolymer tank built for durability and resistance to chemicals.
- 8" diameter tank with large opening.
- Embossed fill marks.
- Threaded ABS cap closure.
- ABS pump tube.
- Solid brass nozzle (adjustable).
- Polypropylene pump barrel.
- 3/8" spiral knit reinforced vinyl hose.
- Lock-on feature built into valve.
- Oil-resistant valves & gaskets.
- Metal "D" handle for operating comfort.

PART NO.	CAPACITY GALS.	CAPACITY LITERS	LENGTHS (INCHES) PUMP	HOSE	EXT.
211262	2	7.6	7	30	12
211263	3	11.4	9	30	18

H.D. ACID SPRAYERS



- Thick-walled copolymer tank.
- Acid-resistant pump cylinder and valve.
- Trigger lock nut to prevent accidental discharge.
- Embossed fill marks.
- ABS chemical-resistant pump tube.
- Threaded cap closure.
- Adjustable brass nozzle.
- Metal "D" handle for operating comfort.

PART NO.	CAPACITY GALS.	CAPACITY LITERS	LENGTHS (INCHES) PUMP	HOSE	EXT.
211264	2	7.6	7	42	12
211265	3	11.4	9	42	15

SURE SHOT SPRAYER

The aerosol spray can you don't throw out...handles thousands of liquids - adhesives, anti-rust agents, belt dressings, cleaning fluids, degreasers, glass cleaners, light oils, lubricants, motor cleaners, oils, penetrating oils, pesticides, sealants, solvents, water, weed killers and white wall tire cleaners.

HEAVY DUTY MODEL

Steel enameled sprayer for heavy duty use.



- Spring loaded trigger.
- Adjustable nozzle-direct stream to fine mist.
- Working pressure: 90 - 120 psi., max. 200 psi.
- For use with water, oil or solvent based solutions.
- Do not use with ammonia base solutions.

Part No. 211237 - 1 qt. capacity


Automotive service


General maintenance


Electrical/electronic maintenance


Building maintenance/ pest control

ACCESSORIES


Adapter


Nozzle

Brass Extension



Part No. 211241
Flexible brass extension, 12" with nozzle & adapter for use with 211237.



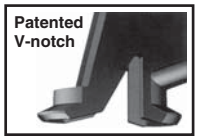
Part No. 211243
Replacement Adjustable nozzle for 211237.

NOTE: Sprayers are warranted by the manufacturer. Defective units must be returned directly to the manufacturer. Please contact our Sales/Service department for instructions.

CAN-GUN AEROSOL SPRAY CAN TRIGGER HANDLE



- Firmly snaps on most aerosol spray cans of paints, lubricants, cleaners, adhesives, insecticides, and more.
- No more tired, sticky, messy fingers.
- Accurate & comfortable spray control.



Part No. 211238

AIR SPRAYER

HAND PUMP PRESSURIZED



- Self priming.
- Strong polyethylene tank.
- Light weight.
- 2 quart capacity.
- Adjustable nozzle, fine mist to direct spray.
- Hand held.
- Smooth, quick hand held pump operation.
- Cannot over pump.

Part No. 211245

BULK CHEMICAL ACCESSORIES

SPRAY BOTTLES & SPRAY HEADS

- 32 ounce capacity.
- Heavy duty polyethylene bottle.
- Drip proof trigger.
- Adjustable nozzle, fine mist to steady stream.
- Great for all types of uses.
- Bottles fit 9-1/4" tubes.



32 oz. SPRAY BOTTLE with "GP" SPRAY HEAD
Part No. 211249 (12)

32 oz. SPRAY BOTTLE with "HD" SPRAY HEAD
Part No. 211259 (12)

REPLACEMENT SPRAY HEAD ONLY

GENERAL PURPOSE	HEAVY DUTY
Delivers 1-1/4 oz. per stroke	Delivers 1-1/4 oz. per stroke
Part No. 211251	**Part No. 211252**

5 GALLON DISPENSING JUG



- Tough and rugged polyethylene.
- Vent cap.
- Exceeds D.O.T. 2U requirements.
- E-Z dispensing faucet.
- Convenient carrying handle.



Part No. 211244

Not intended for transportation or storage of fuels.

C14

C SECTION CHEMICALS & PAINTS













NEW IMPROVED PROLINE FORMULA INDEX

QUICK REFERENCE INDEX C15 PROLINE

PRODUCTS	PAGES
Adhesives & Sealants	C15-1-2
Cleaners	C15-2-3
Lubricants	C15-1
Product Specifications & Applications	C15-4-9
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NEW IMPROVED PROLINE FORMULA

STOCK #	PRODUCT NAME	PRODUCT DESCRIPTION

LUBRICANTS

NPL103	**ONE SHOT**	Sprays Thin To Penetrate, Sets Up Thick To Lubricate
NPL111	**CUTRIGHT**	Keeps Cutting Tools Cool For Longer Life
NPL115	**GRIPPER**	Eliminates Belt Slipping And Squealing
NPL119	**INVADER**	Frees Frozen Fasteners In Minutes
NPL123	**FORCE**	Protects Chains, Cables And Wire Rope
NPL127	**CLING-ON**	Extends Gear Life Under Extreme Pressure Use
NPL131	**APOLLO**	Protects Threaded Fasteners Under Extreme Conditions
NPL134	**MIDNIGHT RIDER**	A Quick Drying Lubricant That Clings To The Surface

ADHESIVES & SEALANTS

NPL202	**ADHERE**	For Fast Setting Permanent Bonds
NPL205	**SHIELD**	A Tough Long Lasting Rubberized Coating
NPL207	**Seali-Wiz / Red**	The Tight Sealing RTV Gasket Maker That Resists High Heat
NPL213	**SPIDEY**	Quickly And Effectively Bonds With Its Web-Like Adhesive

CLEANERS

NPL304	**MASTER CLEAN**	Heavy Duty Non-Flammable Cleaner That Dries Instantly
NPL313	**SHARK**	Increases Unit Efficiency On AC And Refrigeration Coils
NPL316	**ZAP**	A Complete Battery Maintenance System In One Aerosol Can
NPL319	**MAGIC**	Quickly Removes Stains From Carpets And Upholstery
NPL324	**GLISTEN**	Restores And Protects Vinyl, Rubber And Plastics
NPL330	**BLAST**	Safely Removes Dust And Particles From Sensitive Equipment
NPL351	**RELEASE**	For Instant Removal Of Labels, Stickers And Decal's
NPL354	**DIAMOND**	Cuts Through Heavy Dirt To Make Your Windows Shine
NPL357	**BLITZ**	Blasts Away Grease And Oil Leaving No Residue Behind
NPL363	**WIPEOUT**	Wipes Away The Marks That Vandals Leave Behind
NPL366	**ORANGE AID**	The Fast Flushing Citrus Cleaner

SPECIALTY

NPL503	**SNOWAY**	The Non-Stick Outerwear For Your Snowplow

FOR PRODUCT SPECIFICATIONS & APPLICATIONS SEE CATALOG PAGES C15-4 thru C15-9

NEW IMPROVED PROLINE FORMULA

ONESHOT with Teflon®
Synthetic Penetrating Gel-Lube
Sprays thin to penetrate, sets up thick to lubricate.



- **ONESHOT** is a unique all-purpose lubricant.
- A special combination of Teflon® and synthetic lubricants with a high molecular weight polymer allow **ONESHOT** to penetrate, coat, and cure to a grease-like gel.
- **ONESHOT** reduces friction, heat, and wear while preventing rust and corrosion.
- **ONESHOT** is a clear gel that is invisible when cured.

Part No. NPL103

CUTRIGHT
Low Friction Cutting Foam
Keeps cutting tools cool for longer life.



- **CUTRIGHT** is ideal for all metals, including hard-to-work metals like stainless steel, titanium, tungsten, magnesium, and molybdenum
- Unique foaming action holds to tool area, feeding into tool as required, this provides the perfect balance of lubrication and cooling in all machining operations including cutting, tapping, drilling and sawing operations.
- Non-rusting and non-corrosive.

Part No. NPL111

GRIPPER
Belt Conditioner
Eliminates belt slipping and squealing.



- **GRIPPER** helps stop slippage, squeaks and annoying noise.
- Prevents lost power and wasted energy by improving grip.
- Conditioners penetrate belts to extend life, reduce downtime and lower maintenance costs.

Part No. NPL115

INVADER
Non-Flammable Rust Penetrant
Frees frozen fasteners in minutes.



- **INVADER** works fast to loosen rusted, corroded parts and fasteners.
- Capillary action of **INVADER** defies gravity by climbing vertical threads.
- Lubricates to reduce friction to eliminate bending and “snapping” of frozen parts.
- **INVADER** leaves a protective film to inhibit future rust and corrosion.

Part No. NPL119

FORCE
Penetrating Chain and Cable Lubricant
Protects chains, cables & wire rope.



- **FORCE**, with Moly additive lubricates and protects chain, cable and wire rope.
- Sprays on as a light foam - cures to a semi-greasy oil.
- Penetrates into the core of wire rope & chain links.
- Protects against galling, wear and seizing.
- Reduces vibration, noise and chain whip.
- Special Moly additive reduces friction and resists high temperature breakdown.

Part No. NPL123

CLING-ON
Extreme Pressure Open Gear Lubricant
Extends gear life under extreme pressure use.



- A lubricant with excellent adhesion and heavy viscosity providing a tough lubrication that will not drop or be thrown off.

Part No. NPL127

APOLLO
Extreme Range Lubricant & Anti-Seize
Protects threaded fasteners under extreme conditions.



- A non-petroleum, heat resistant compound containing aluminum, graphite, copper & fine metallic particles.
- Prevents carbon fusion.
- Won’t cake, coke, evaporate, wash out & sling off or throw off.
- Extreme temp. protection up to +2200°F.
- Protects against extreme pressure, galling & cold welding.
- Makes disassembly of parts easy - even years after application.

Part No. NPL131

MIDNIGHT RIDER
Bonded Dry Film Lubricant
A quick drying lubricant that clings to the surface.



- **MIDNIGHT RIDER** is a superior dry film lubricant, formulated with molybdenum for long lasting lubrication and anti-seize properties.
- Withstands high pressure, high temperatures, water and chemical attack.
- The dry film is ideal for use in dusty, dirty locations by avoiding dirty build-ups.
- Formulated without methylene chloride for a more user friendly environment.

Part No. NPL134

ADHERE
Super Stick Adhesive
For fast setting permanent bonds.



- **ADHERE** is a translucent, general purpose adhesive, that is strong, easy to use to bond a variety of materials.
- Produces fast setting, water-proof, non-wrinkling and flexible bonds that permit folding.

Part No. NPL202

SHIELD
Heavy Duty Black Rubber Coating
A tough long lasting rubberized coating.



- **SHIELD** creates a tough, long-lasting, black rubberized protective against rust and corrosion.
- Coating is durable, long-wearing and abrasion resistant.
- Excellent for cars, trucks, buses, HVAC equipment, construction equipment & any metal surface where corrosion protection is needed.

Part No. NPL205

NEW IMPROVED PROLINE FORMULA

SEALI-WIZ Red
Hi-Temp Silicone RTV Gasket Maker



The tight sealing RTV gasket maker that resists high heat.

- Low volatile, low odor formula.
- From -60° to + 650°.
- Safe for oxygen sensors.
- Meets OE warranty requirements.

Part No. **NPL207**

SPIDEY
The Super Bonding Web-Like Adhesive



- A fast drying, high strength adhesive that provides a strong bond to and is heat, moisture & water-resistant.
- This enables technicians to vary the width of the spray pattern with minimal overspray.
- Package is equipped with a unique 3-way adjustable spray nozzle.
- Will bond carpets, urethane foam insulation, vinyl tops, kick pads, upholstery, headliners, etc.

Part No. **NPL213**

MASTER CLEAN
Non-Flammable Solvent Base Cleaner/ Degreaser



The RTV gasket maker designed for multi-purpose use.

- **MASTER CLEAN** is a high quality solvent that is non-flammable in normal use.
- Cleans equipment and machinery - safely and efficiently.

Part No. **NPL304**

SHARK
Coil & Fin Cleaner



Increases unit efficiency on AC & refrigeration coils.

- **SHARK** is a convenient and fast-acting coil and fin flushing agent.
- Cleans air conditioner and refrigeration coils in place, without removing to the shop.
- Regular use keeps equipment clean, efficient and in “peak” service.

Part No. **NPL313**

ZAP
Battery Cleaner & Protective Coating



Complete battery maintenance system in one aerosol can.

- It cleans your battery and protects it from power reducing, corrosive deposits.
- Simply spray on terminals and outer casings to penetrate and emulsify dirt, grease & corrosion.
- Keeps battery terminals clean and corrosion free.
- Second application leaves a protective coating that seals out moisture and dirt.
- Prevents arcing and current leakage.

Part No. **NPL316**

MAGIC
Instant Carpet Spotter



Quickly removes stains from carpets & upholstery.

- Specially formulated with gentle cleaners which allow soiled areas to be treated while keeping them looking clean and attractive.

Part No. **NPL319**

GLISTEN
Foam Protectant



Restores & protects vnyl, rubber and plastics.

- This product has been developed to instantly clean and shine.
- The self-cleaning, breaking foam requires no wiping-simply spray it on and walk away.

Part No. **NPL324**

BLAST
High Pressure Air Duster



Safely removes dust & particles from sensitive equipment.

- **BLAST** jet air duster instantly removes dust, dirt, lint, and other types of dry particles from delicate instruments and equipment with a powerful jet of dry gas.

Part No. **NPL330**

RELEASE
Adhesive Remover



For instant removal of labels, stickers & decals.

- Thick gell clings to vertical porous and non-porous surfaces - will not run.

Part No. **NPL351**

DIAMOND
Ultra-Strong Glass Cleaner



Cuts through heavy dirt to make your windows shine.

- **DIAMOND** is an ultra-strong, non-streaking, ammonia fortified cleaner with foaming action for cleaning glass and other hard surfaces.
- **DIAMOND’s** cleaning foam clings where you spray to actually lift away dirt and grime.

Part No. **NPL354**

NEW IMPROVED PROLINE FORMULA

BLITZ

Fast Drying Super Solvent

Blasts away grease and oil leaving no residue behind.

- **BLITZ** is an excellent all-purpose solvent that is safe on all metals and most other surfaces.
- Won't harm insulation, paint, plastics, rubber and most other solvent sensitive materials.



Part No. **NPL357**

WIPEOUT

Gel Vandal Mark Remover

Wipes away the marks that vandals leave behind.

- Thick gel clings to vertical porous and non-porous surfaces - will not run.



Part No. **NPL363**

ORANGE AID

The Fast Flushing High Strength 100% Natural Citrus Cleaner and Degreaser

The fast flushing citrus cleaner.

- **ORANGE AID** is an all natural citrus multi-purpose cleaner/degreaser with a powerful degreasing formula that not only cleans grease, oil, and dirt from a variety of surfaces, but also deodorizes.



Part No. **NPL366**

SNOWAY

The Outerwear For Your Snowplow

The non-stick outer wear for your snowplow.

- **SNOWAY** with its "triple thick", pure silicone formula creates a protective film that coats metal surfaces.
- TEFLON® fortified for long lasting protection.
- **SNOWAY** is a high viscosity gel that will not run, drip or sag on vertical surfaces.



Part No. **NPL503**

PRODUCT SPECIFICATIONS & APPLICATIONS

Part No. NPL103 • ONESHOT with Teflon® • Synthetic Penetrating Gel-Lube •

Products Specifications

Ingedients:
Heptane,Polyether Polyol, Liquefied Petroleum Gas

Appearance:
Clear Colorless Liquid
Odor:
Solvent odor
pH:
N/A
Storage:
Below 120°F (49°C)
Boiling Point:
<0°F - >400°F
Vapor density:
Above 1.0
Evaporation Rate:
Residual Film will not evaporate
Specific Gravity:
(water=1)
Below 0.83 ∀ .05
Solubility in Water:
Negligible

FEATURES AND BENEFITS

- Penetrates
- Petroleum free
- E.P. rated
- Lubricates
- Bonds tenaciously
- Protects & preserves
- Colorless, stainless and dustless
- Withstands temperatures from -30° to 530° F
- Resists water

APPLICATIONS AND USES

- Dollies
- Cams
- Piano hinges
- Locks
- Conveyors
- Wheels
- Slides
- Open gears
- Chains
- Rollers
- Slide bearings
- Cables

DIRECTIONS FOR USE

Shake well before using. Saturate area to be lubricated. Allow to set-up as gel. Use extension tube for hard-to-reach areas.

Part No. NPL111 • CUTRIGHT • Low Friction Cutting Foam •

Products Specifications

Ingedients:
Hydrotreated Petroleum Naphtha, Liquified Petroleum Gas, Chlorinated Paraffin, Lard Oil, Linseed Oil

Appearance:
Straw Colored Foamy Liquid
Odor:
Mild Petroleum Odor
pH:
N/A
Storage:
Below 120°F (49°C) But Above Freezing
Boiling Point:
> 400°F
Vapor density:
No data
Evaporation Rate:
Will not evaporate
Specific Gravity:
(Water=1)
Approximately .75 ∀ .05
Solubility in Water:
Nil

FEATURES AND BENEFITS

- Foaming action stays on cutting area - Foam runs up drills keeping them cool while continuing to feed cutting area. Eliminates dripping, messy oil and cleanup.
- Dramatically cuts heat created by drilling, reaming & tapping.
- Increases tool life up to10 times longer than ordinary oils.
- Reduces thermal expansion creating more accurate hole sizes.
- Not recommended for aluminum.

APPLICATIONS AND USES

Excellent when tapping, reaming, drilling, threading. Not for use on aluminum.

DIRECTIONS FOR USE

Shake well before using. Spray directly on area to be worked and cutting tool. Sprays best at room temperature, 70°F and above. Use extension nozzle to pinpoint spray and eliminate waste.

Part No. NPL115 • Gripper • Belt Conditioner •

Products Specifications

Ingedients:
Heptane, Acetone, Liquefied Petroleum Gas, Oxidized Herring Oil, Polymerized Rosin

Appearance:
Straw Colored Liquid
Odor:
Solvent-like
pH:
N/A
Storage:
Below 120°F (49°C)
Boiling Point:
<0°F — >156°F
Vapor density:
Above 1.0
Evaporation Rate:
Fast evaporating
Specific Gravity:
(Water=1)
Approximately .68 ∀ .05
Solubility in Water:
Negligible

FEATURES AND BENEFITS

- Deep penetration to the innermost fibers. Renews and revitalizes all automotive and industrial V-belts.
- Prevents dry rot, reduces stretching and wear.
- Removes and prevents glazing and hardening.
- Leaves no gummy deposit to attract dirt and cause wear.

APPLICATIONS AND USES

Air compressors
Automotive Aelts
Dryers
Engines
Furnace blowers
Garden tractors
Powertools
Refrigerators
Fans
Water Pumps
Conveyors

DIRECTIONS FOR USE

Spray in well ventilated area. Area to be treated should be free of foreign matter. Spray product back and fourth across the inner working surface of belt from a distance of 10-12 inches. Occasional repeat applications will add life and increase efficiency.

Part No. NPL119 • INVADER • Non-Flammable Rust Penetrant •

Products Specifications

Ingedients:
Perchloroethylene, Hydrotreated Light Naphthenic Distillate, Hydrotreated Heavy Naphthenic Distillate, Proprietary Rust Preventive, Coal Oil, Carbon Dioxide

Appearance:
Clear Amber
Odor:
Solvent Odor
pH:
N/A
Storage:
Below 120°F (49°C)
Boiling Point:
>250°F
Vapor density: Above 1.0
Evaporation Rate:
Medium evaporation. Residual film will not evaporate.
Specific Gravity:
(Water=1)
Approximately 1.51 " .05
Solubility in Water:
Insoluble

FEATURES AND BENEFITS

- Non-flammable formula - safe for use on energized equipment.
- Lubricates all moving parts.
- Penetrates through rust and corrosion.
- Disperses moisture; dries wires and contacts.
- Prevents corrosion; seals out moisture.
- Cleans and degreases parts and assemblies.

APPLICATIONS AND USES

- Nuts & bolts
- Screws
- Cables
- Chains
- Wheels
- Casters
- Linkages
- Studs
- Tools
- Pillow Blocks
- Clamps
- Exhaust Parts
- Locks
- Padlocks
- Hinges
- Pulleys

DIRECTIONS FOR USE

Safe on most surfaces. Avoid plastics, solvent sensitive materials or painted surfaces. If in doubt, test on an inconspicuous area.

PRODUCT SPECIFICATIONS & APPLICATIONS

Part No. NPL123 • FORCE • Penetrating Chain and Cable Lubricant •

Products Specifications

Ingedients:
Lithium Complex Grease, Liquefied Petroleum Gas, Hexane, Acetone, Molybdenum Disulfide, Polyisobutylene

Appearance:
Black
Odor:
Petroleum/Solvent/ Oil
Like Odor
pH: N/A
Storage:
Below 120°F (49°C)
Boiling Point:
<0°F — +400°F
Vapor density:
Above 1.0
Evaporation Rate:
Residual film will not evaporate
Specific Gravity:
(Water=1)
Approximately 0.76 ∀ .05
Solubility in Water:
Negligible

FEATURES AND BENEFITS
- 50% more Moly (molybdenum disulfide) for superior lubrication.
- Specially formulated with New Hi-EP Grease.
- High degree of "tack" creates excellent adhesion as well as superior "film rupture" healing characteristics.
- Adheres to the gear, chain or cable without leaving the metal bare after each release.
- Highly water resistant. Prevents rust and oxidation.
- Test Results

Superior Corrosion - rust protection:
5% salt spray booth ASTM D-117
Passes 3000+ hours - no failure.

Superior lubrication - anti wear properties:
Falex load & wear test ASTM D-3233
Passes max. load of 4500 lbs. - no failure.
Torque reading 60.

DIRECTIONS FOR USE
Shake can well to disperse Moly. Spray point to be lubricated and repeat as needed.
For best performance can should be at room temperature (70°F) when used.

Part No. NPL127 • CLING-ON • Extreme Pressure Open Gear Lubricant •

Products Specifications

Ingedients:
Petroleum, Paraffin Oil, Hexane, Isohexane, Isomers, Propane, Butane

Appearance:
Black
Odor:
Solvent
pH:
N/A
Storage:
Below 120°F (49°C)
Boiling Point:
<0 TO 156°F
Vapor density:
Heavier than air
Evaporation Rate:
Slower than Ether
Specific Gravity:
(Water=1)
0.76 ± .0.05
Solubility in Water:
Nil

FEATURES AND BENEFITS
The tacky adhesiveness of this product continuously recoats and lubricates all gear surfaces. Extremely effective when used underwater. Forms a film that resists rust and corrosion. Increases life of all gears. Extreme pressure capacity minimizes squeeze-out

APPLICATIONS AND USES
- Open Or Exposed Chains, Wire, Rope Of Cables On Heavy Loads And Extreme Pressure
- Snow Removal Equipment
- Marine And Dockside Equipment
- Elevators
- Cranes
- Drag lines

DIRECTIONS FOR USE
Shake can well before using. Spray liberally in short bursts from 12 to 15 inches. Repeat as needed.

Part No. NPL131 • APOLLO • Extreme range Lubricant and Anit-Seize •

Products Specifications

Ingedients:
Heptane, Liquefied Petroleum Gas, Acetone, Copper, Graphite

Appearance:
Copper Colored
Odor:
Slight Petroleum Odor
pH:
N/A
Storage:
Below 120°F (49°C)
Boiling Point:
Below 120°F (49°C)
Vapor density:
Above 1.0
Evaporation Rate:
Residual film will not evaporate
Specific Gravity:
(Water=1)
Approximately .78 ∀ .05
Solubility in Water:
Negligible

FEATURES AND BENEFITS
- Highly refined blend of aluminum, copper and graphite.
- Contains no lead.
- Assures easy disassembly.
- Superior temperature range: -252°F to 2200°F.
- Water and steam proof, non-flammable.
- Excellent for long term corrosion protection.

APPLICATIONS AND USES
For easy removal of spark plugs, cylinder head bolts, exhaust hardware, disc brake calipers, and all machinery and equipment fasteners. Use to protect metal parts under extreme pressures up to 15,000 p.s.i. and sustained temperatures up to 2200°F.

DIRECTIONS FOR USE
1. Shake well before using.
2. Clean surface of all oil, grease, rust or other contaminates that might prevent a good seal.
3. Spray an even coat 6-12 inches from surface of parts to be assembled.

Part No. NPL134 • MIDNIGHT RIDER • Dry Moly Lubricant •

Products Specifications

Ingedients:
2-Propanol, Acetone, Butane, Propane, Ethyl, 3-Ethoxypropionate, Mineral Spirits, Molybdenum Disulfide

Appearance:
Dry Black Film
Odor:
Solvent
pH: N/A
Storage:
Below 120°F (49°C)
Boiling Point:
<0°F — >395°F
<-18°F — >201°F
Vapor density:
Heavier than Air
Evaporation Rate:
Fast than Ether
Specific Gravity:
(Water=1)
0.73
Solubility in Water:
N/A

FEATURES AND BENEFITS
- Provides excellent lubrication properties without attraction of dust or dirt.
- Provides a smooth, frictionless surface for maximum operating efficiency.
- Reduces metal wear and fatigue to extend equipment life.
- Will not break down under high temperatures.

APPLICATIONS AND USES
Use on gears and chains, motors, bearings, boilers, engines, pump assemblies, conveyors, construction equipment, farm implement equipment.

DIRECTIONS FOR USE
Shake well before using. Spray 8-10 inches from surface. Spray a light even film. Wipe off excess with cloth. Repeat application, second coat gives additional protection.

PRODUCT SPECIFICATIONS & APPLICATIONS

Part No. NPL202 • ADHERE • Super Stick Adhesive •

Products Specifications

Ingedients:
Oxibismethane, Acetone, n-Hexane, Proprietary Resin, Methyl Ethyl Ketone

Appearance:
Clear Amber Liquid
Odor:
Solvent Odor
pH:
N/A
Storage:
Below 120°F (49°C)
Boiling Point:
<0°F — >200°F
Vapor density:
Above 1.0
Evaporation Rate:
Fast evaporating
Specific Gravity:
(Water=1)
.73 ∀ .05
Solubility in Water:
Negligible

FEATURES AND BENEFITS
- Super sticky, high strength.
- Bonds to metal, cork, rubber, plastic and other automotive materials.
- Holds gasket in place — even overhead!
- Resists water, anti-freeze, gasoline, oil, transmission fluid, brake fluid and grease.
- Extension tube creates narrow spray — eliminates overspray and waste.

APPLICATIONS AND USES
Works extremely well on most surfaces, including foam, rubber, leather, paper, cloth, cardboard, mylar, foil, acetate sheets, glass and certain plastics. May react with urethanes. Test first.

DIRECTIONS FOR USE
Shake well before using. Always use extension nozzle. For soft materials, spray both surfaces, allow one minute to season before bonding. For hard materials - as above but allow longer seasoning before bonding. Temporary bonds: Apply a light, even spray to one surface only and allow tack to develop, then bond with firm pressure. After using, clear spray head and nozzle by turning can upside down and spraying a short jet of clear gas.

Part No. NPL205 • SHIELD • Heavy Duty Black Rubber Coating •

Products Specifications

Ingedients:
Calcium Carbonate, Asphalt, Toluene, Propane, Mineral Spirits, Butane

Appearance:
Black
Odor:
Solvent
pH:
N/A
Storage:
Below 120°F (49°C)
Boiling Point:
<0°F — >395°F
Vapor density:
Heavier than Air
Evaporation Rate:
Slower than Ether
Specific Gravity:
(Water=1)
1.10 ± 0.05
Solubility in Water:
Nil

FEATURES AND BENEFITS
- An extremely durable rust and corrosion inhibitor.
- Resists chipping and will not crack or peel with age.
- Elastic, waterproof, deaden sound.
- Paintable.

APPLICATIONS AND USES
For use on trucks, farm and construction equipment, in collision shops, as a tree wound dressing, and gutter and flashing sealer. Seals electrical boxes and fittings. Seals concrete and asphalt driveway cracks.

DIRECTIONS FOR USE
Shake well, until agitator moves freely. Spray 8 to 10 inches from a clean, dry surface in a sweeping motion. Dries to the touch in 1 hour, completely dry in 24 hours. For best results and optimum protection apply 2 coats. Wait 1-2 hours between coats. Remove overspray within 5 minutes using either kerosene or mineral spirits.

Part No. NPL207 • SEALI-WIZ • Silicone Gasket Maker •

Products Specifications

Ingedients:
Polymer, Silicone, Methyl Triacetoxysilane,Ethyl Triacetoxysilane, (Iron Oxide-Red only)

Appearance:
Red, Black, Aluminum, Clear
Odor:
Mild
pH: N/A
Storage:
Below 120°F (49°C)
Boiling Point:
<0°F — >34°F
Vapor density:
Heavier than Air
Evaporation Rate:
Slower than Ether
Specific Gravity:
(Water=1)
1.32 ± 0.05
Solubility in Water:
Nil

FEATURES AND BENEFITS
100% RTV Silicone. Industrial strength. Caulks around tubs, sinks, showers. Temperature range from -60°F to 650°F. Insulates electrical components. Seals around windows, doors, walls. Binds most materials, similar or dissimilar (glass, wood, rubber, plastic, ceramics, etc.)

APPLICATIONS AND USES
SEALI-WIZ will adhere to clean metal, glass, most types of wood, silicone resin, vulcanized rubber, ceramic, natural and synthetic fiber as well as painted and plastic surfaces. Forms-in-place gaskets for oil and transmission pans, oil and water pumps, valve and timing chain covers, electric motors and electric control boxes, gear boxes, compressors, machine covers.

DIRECTIONS FOR USE
Surface must be clean, dry and free of oil, tar, dirt, and dust for best adhesion. Hold can at 45° angle and apply a continuous bead of 1/16" to 1/8" to the mating surface, encircling all bolt holes. For adhesion to both parts, assemble immediately. One part adhesion, allow 10 to 15 minutes for bead to skin. Assemble parts, but do not squeeze gasket out by over tightening bolts. Starts to cure immediately, fully cures in 24 hours and reaches optimum strength in 7 days. Leave a small bead of material which will form a sealing "plug" for reuse. To use, gently pull "plug" and begin to use material. If plug breaks leaving the dispensing tip sealed, use a paper clip or other wire object to remove and loosen the remainder of the cured material.

Part No. NPL213 • SPIDEY • Super Bonding Trim Adhesive •

Products Specifications

Ingedients:
Propane, Hexane, Isohexane Isomers, Cyclohexane, Acetone, Amorphous Silica

Appearance:
Clear
Odor:
Solvent
pH:
N/A
Storage:
Below 120°F (49°C)
Boiling Point:
<0°F — >156°F
Vapor density:
Heavier than Air
Evaporation Rate:
Slower than Ether
Specific Gravity:
(Water=1)
0.71 ± 0.1
Solubility in Water:
Nil

FEATURES AND BENEFITS
- Fast drying. Will not attack foam.
- Heat resistant.
- High strength formula.
- 3-way web spray nozzle (low, medium, high).
- Temperature rated to 200°F.

APPLICATIONS AND USES
For use on leather, cork, wood, vinyl, paper, metal, cardboard, plastic, film, rubber, glass, cloth, foil, and foam.

DIRECTIONS FOR USE
Use at room temperature. Spray from 6 - 8 inches. Shake well before using. Select spray pattern by rotating nozzle to desired position. Spray evenly on both surfaces. Allow to dry 1 to 3 minutes, but not more than 30 minutes. Align and press surfaces together. Invert can and spray to clean nozzle.

PRODUCT SPECIFICATIONS & APPLICATIONS

Part No. NPL304 • MASTER CLEAN • Non-Flammable Cleaner/Degreaser •

Products Specifications

Ingedients:
Perchloroethylene, Carbon Dioxide

Appearance:
Clear Colorless Liquid
Odor:
Lemon Odor
pH:
N/A
Storage:
Below 120°F (49°C)
Boiling Point:
250°F
Vapor density:
Above 1.0
Evaporation Rate:
Not established
Specific Gravity:
(Water=1)
1.62 ∀ .05
Solubility in Water:
Nil

FEATURES AND BENEFITS

WORKS FAST: Cleans much faster than ordinary solvents. Dries instantly. No residue.
POWERFUL CLEANING ACTION: Cuts through grease, oil, grime, tar, asphalt, wax, and adhesives.
NON-CONDUCTIVE: High dielectric strength up to 40,000 volts (per ASTM D-87).
NON-FLAMMABLE: No flash point.
SAFE ON METALS AND MOST MATERIALS: Non-acid, non-caustic, non-corrosive. May be harmful to some plastics. Test on a small area before using. Will remove skin oils. Use of rubber gloves strongly recommended.

APPLICATIONS AND USES

CLEAN AND DEGREASE

Air tools	Machinery	Compressors	Mechanical brakes	Parts
Switch gear	Chains	Bearings	Presses	Wire rope
Motors	Park lights	Dies and molds	Generators	Gears

DIRECTIONS FOR USE

USE ONLY IN WELL VENTILATED AREA. Simple to use. Spray on and wipe off dirt and grease. Or spray on and let dirt and grease flush off.

Part No. NPL313 • SHARK • Coil & Fin Cleaner •

Products Specifications

Ingedients:
Water, Ethylene Glycol Monobutyl Ether, Liquefied Petroleum Gas, Isopropyl Alcohol, D-Limonene, Ammonia

Appearance:
Clear Colorless Liquid
Odor:
Citrus odor
pH:
N/A
Storage:
Below 120°F (49°C)
Boiling Point:
<0°F - >250°F
Vapor density:
Above 1.0
Evaporation Rate:
Slow to medium
Specific Gravity:
(water=1)
Approximately .92 ∀ .05
Solubility in Water:
Soluble

FEATURES AND BENEFITS

Spray on, walk away, no rinse needed. Wait for a few minutes and watch the foam condense and wash away dirt, dust and grime. Non-corrosive, non-acid formula cleans both condenser and evaporator coils leaving pleasant odor to freshen entire room.

APPLICATIONS AND USES

- Air conditioners
- Refrigeration units
- Icemakers
- Cooling towers
- Heat pumps
- Heat exchange equipment
- Zoneline® heat pumps
- Condensation coolers

DIRECTIONS FOR USE

Shake well. Spray coils and fins in a sweeping motion, starting at the top of the coil, flushing dirt to the bottom. For heavy dirt accumulations, spray lightly first, allow solvents to penetrate. Then, flush off. Repeat until all build up is removed. Safe to use on most washable surfaces. If in doubt, pretest on a small area.

Part No. NPL316 • ZAP • Battery Cleaner & Protective Coating •

Products Specifications

Ingedients:
Liquefied Petroleum Gas, Hydrotreated Light Naphthenic Distillate, Hydrotreated Heavy Naphthenic Distillate, Heavy Paraffinic Distillate Solvent Extract, Lithium Complex Grease, Triethanolamine

Appearance:
Red Grease Like Transparent
Odor:
Solvent odor
pH: N/A
Storage:
(water=1)
Below 120°F (49°C)
Boiling Point:
<0°F - >400°F
Vapor density:
Above 1.0
Evaporation Rate:
Residual Film will not evaporate
Specific Gravity:
Approximately .76 ∀ .05
Solubility in Water:
Negligible

FEATURES AND BENEFITS

- Eliminates corrosion.
- Penetrates, dissolves and neutralizes corrosion and acid build-up on all storage batteries.
- Leaves protective seal against future corrosion build-up.
- Increases electrical conductivity and prolongs battery life.

DIRECTIONS FOR USE

SHAKE WELL BEFORE USING. Spray on battery terminals and attachments. Wait 2 to 3 minutes for it to loosen and dissolve corrosion deposits, then wipe clean with dry cloth. Spray a second light coat on all cleaned areas to guard against future deposit buildup.

Part No. NPL319 • MAGIC • Instant Carpet Spotter •

Products Specifications

Ingedients:
Deionized Water, 2-Butoxyethanol, Anionic Surfactant, Isobutane, Chelating Agent

Appearance:
White Foam
Odor:
Mint odor
pH:
12.75 ± 0.5
Storage:
Below 120°F (49°C)
Boiling Point:
<0°F - >212°F
Vapor density:
Heavier than air
Evaporation Rate:
Slower than Ether
Specific Gravity:
(water=1)
0.80 ± 0.05
Solubility in Water:
Soluble

FEATURES AND BENEFITS

Thick foam lifts out and holds dirt and grime in suspension until vacuumed away. Use on spills right away, helps avoid hard-to remove stains later. Saves time and labor of cleaning spots.

APPLICATIONS AND USES

For use in hotels, corridors, walk-off entrance mats, automobile interiors, shops, all-natural or synthetic upholstery, velour rugs, and fabric.

DIRECTIONS FOR USE

Shake well before using. Vacuum carpet thoroughly. Invert and spray from 24 inches. With sweeping motion, cover area of about 4 square feet. With wet sponge mop or deck brush, work into carpet first across and then with nap. Repeat for all other areas. Let dry for at least 4 hours and then vacuum thoroughly. Wipe away overspray from walls and furniture before foam dries. Cover legs and casters to prevent rust spotting on carpet.

PRODUCT SPECIFICATIONS & APPLICATIONS

Part No. NPL324 • GLISTEN • Foam Protectant •

Products Specifications

Ingedients:
Deionized Water, Poly (dimethylsiloxane), Butane, Propane, Poly (oxyethylene) Decyl Ether

Appearance:
White Foam
Odor:
Mild
pH:
10.0 ± 0.5
Storage:
Below 120°F (49°C)
Boiling Point:
<0°F - >213°F
Vapor density:
Heavier than air
Evaporation Rate:
Slower than Ether
Specific Gravity:
(water=1)
0.93 ± 0.1
Solubility in Water:
Emulsion

FEATURES AND BENEFITS
Self-cleaning foam cleans and shines all vinyl, rubber and synthetic surfaces. Product cures to a glossy protective shine in minutes, with no buffing. Leaves an extra long-lasting protective shine that repels dirt, asphalt, and grime. Product works best if original surface is cleaned first. Protects againstdiscoloration, oxidation and ozone deterioration. Buffing may help cleaning action.

APPLICATIONS AND USES
Cleans under-the hood rubber products, hoses, air intake ducts, tires, bumpers, and trim.

DIRECTIONS FOR USE
Shake well before using. Spray at 8 inch distance from surface. For more gloss, use 2 applications. For less, wipe once with clean cloth. Whitewalls may require light rubbing with cloth or brush then respray over whitewall.

Part No. NPL330 • BLAST • Jet Air Duster •

Products Specifications

Ingedients:
Tetrafluorethane

Appearance:
Air
Odor:
None
pH:
N/A
Storage:
Below 120°F (49°C)
Boiling Point:
<0°F - >14°F
Vapor density:
Heavier than air
Evaporation Rate:
Faster than Ether
Specific Gravity:
(water=1)
1.21 ± 0.05
Solubility in Water:
NA

FEATURES AND BENEFITS
Removes dust from delicate equipment. Clean, pure air. Moisture free. Removes dust, dirt, lint, and other airborne particles from sensitive and delicate equipment.

APPLICATIONS AND USES
For use on delicate optical photographic lenses, scientific equipment, timing devices, film, typewriters, TV's computer printers and terminals, keyboards, computer disks, tuning devices, miniature assemblies, watches, radio and navigation equipment, audio/video cartridges, and cassettes.

DIRECTIONS FOR USE
Do not shake can during use. Always hold can upright - Do Not Exceed or Tilt more than 30°.
For maximum efficiency, always use this product with snorkel tube provided.

Part No. NPL351 • RELEASE • Adhesive Remover •

Products Specifications

Ingedients:
Toluene, Deionized Water, Propane, Diacetone Alcohol, Butane, 2-Propanol, Acetone

Appearance:
White Gel
Odor:
Solvent odor
pH:
10.25 ± 0.5
Storage:
Below 120°F (49°C)
Boiling Point:
<0°F - >342°F
Vapor density:
Heavier than air
Evaporation Rate:
Slower than ether
Specific Gravity:
(water=1)
0.80 ± 0.5
Solubility in Water:
Emulsion

FEATURES AND BENEFITS
Emulsifiable - wipe off with cloth or rinse off with water.

APPLICATIONS AND USES
RELEASE adhesive remover instantly penetrates and dissolves adhesives to remove:
• Labels • Stickers • Decals • Old hardened adhesive residue

Safe On Most Surfaces Including:
• Glass • Metal • Wood • Plastics

Caution: RELEASE may soften some plastics and paints. Always pretest on an inconspicuous area to determine if it will harm the surface finish.

DIRECTIONS FOR USE
Apply **RELEASE** so that it completely covers and soaks into the label or sticker that is being removed. Allow several minutes while it soaks through label and softens adhesive layer, then peel off label. Any adhesive residue can be removed from the surface by spraying and wiping with a cloth.

Part No. NPL354 • DIAMOND • Glass Cleaner •

Products Specifications

Ingedients:
Water, Isopropanol, Liquefied Petroleum Gas, Ammonium Hydroxide, Dipropylene Glycol Monobutyl Ether

Appearance:
Clear Colorless Liquid
Odor:
Pleasant Sweet Odor
pH: N/A
Storage:
Below 120°F (49°C)
But Above Freezing
Boiling Point:
<0°F - >212°F
Vapor density:
No data
Evaporation Rate:
Approximate of water
Specific Gravity:
(water=1)
Approximately 1.0 ∀ .05
Solubility in Water:
Soluble

FEATURES AND BENEFITS
- Cleans surfaces fast and easy through foaming action.
- Just spray it on and wipe it off immediately for sparkling clean surfaces every time.
- Leaves no sticky film to attract dirt and is non-staining.
- Contains ammonia for effective grease cutting.
- Cuts dirt and grime, removes smoke film.

APPLICATIONS AND USES
Cleans windows, mirrors, tile, porcelain, chrome and bath fixtures. Removes stubborn residues such as road film, oil, road salt, grease, paint overspray and bugs. Excellent for automotive, fleet, industrial and institutional uses. Removes paint overspray. Does not contain silicone.

DIRECTIONS FOR USE
Shake well before use. Hold can in an upright position while applying from a distance of 10-12 inches from surface. Direct spray toward the middle of the area to be cleaned. Allow several seconds for foam to penetrate filmed surface. Wipe with a clean paper towel or cloth.

PRODUCT SPECIFICATIONS & APPLICATIONS

Part No. NPL357 • BLITZ • Fast Drying Super Solvent •

Products Specifications

Ingedients:
Heptane, Acetone, Isopropyl Alcohol, Toluene, Methyl Alcohol, Carbon Dioxide

Appearance:
Clear Colorless Liquid
Odor:
Solvent odor
pH:
N/A
Storage:
Below 120°F (49°C)
Boiling Point:
>150°F
Vapor density:
Above 1.0
Evaporation Rate:
Fast evaporating
Specific Gravity:
(water=1)
Approximately .68 ∀ .05
Solubility in Water:
Negligible

FEATURES AND BENEFITS
BLITZ safely cleans, degreases and removes soil, oil, grease, and built-up grime fast. Also dries in seconds leaving no film or residue, so cleaned surfaces are ready for immediate painting or assembly.

APPLICATIONS AND USES
Air tools, mechanical brakes and clutches, chains and wire rope, motors, dies and molds, material handling equipment, switchgear, corroded machinery and parts, bearings, generators, and compressors. May be harmful to some plastics and paints. Test on small area before using.

DIRECTIONS FOR USE
Shake can well. Apply product liberally. Allow solvent to run off washing away the oil, grease and dirt. Repeat application for absolute cleaning.

Part No. NPL363 • WIPEOUT • Vandal Mark Remover •

Products Specifications

Ingedients:
Toluene, Deionized Water, Propane, Diacetone Alcohol, Butane, 2-Propanol, Acetone

Appearance:
White Gel
Odor:
Solvent odor
pH:
10.25 ± 0.5
Storage:
Below 120°F (49°C)
Boiling Point:
<0°F - >342°F
Vapor density:
Heavier than air
Evaporation Rate:
Slower than ether
Specific Gravity:
(water=1)
0.80 ± 0.5
Solubility in Water:
Emulsion

FEATURES AND BENEFITS
Emulsifiable - wipe off with cloth or rinse off with water. Removes pen inks, marker inks, printing inks, spray paints, adhesives, crayon, lipstick, tar, scuffs, etc.

APPLICATIONS AND USES
Suitable for use on brick, formica, steel, aluminum, glass, chrome, marble, porcelain, ceramics, etc. Effective on buildings, signs, bridges, buses, freight cars, restroom, and locker room facilities.

DIRECTIONS FOR USE
Shake well before using. Spray 8 to 12 inches from surface. Allow several minutes to penetrate - for stubborn marks, use a stiff brush to agitate before wiping or rinsing. Repeat above if necessary.

Part No. NPL366 • ORANGE AID • Fast Flushing Citrus Cleaner & Degreaser •

Products Specifications

Ingedients:
Water, Ethylene, Glycol Monobutyl Ether, Liquefied Petroleum Gas, Isopropyl Alcohol, D'Limonene, Ammonia

Appearance:
Clear Colorless Liquid
Odor:
Citrus Odor
pH:
N/A
Storage:
Below 120°F (49°C)
Boiling Point:
<0°F – >250°F
Vapor density:
Above 1.0
Evaporation Rate:
Slow to medium
Specific Gravity:
(water=1)
Approximately .92 ∀ .05
Solubility in Water:
Soluble

FEATURES AND BENEFITS
- Contains D'Limonene - a safe, natural citrus based solvent.
- Contains no acids, no caustics or corrosives. Non-carcinogenic.
- Emulsifies in water. Totally biodegradable.
- Versatile, all-purpose cleaner. Dilute for normal use, or use straight, for extra strength.
- USDA accepted.

APPLICATIONS AND USES
Engine degreaser, carpet and upholstery spot and stain remover, unclog drains and grease traps, clean grills, and ovens, removes decals, tar, asphalt, tire marks and printers ink.

DIRECTIONS FOR USE
Shake well before using. Spray directly on surface and allow product to soak in. Wipe clean (or hose off). Plastics should be immediately wiped clean. Avoid use on styrene.

Part No. NPL503 • SNOWAY • Triple Thick Silicone Gell •

Products Specifications

Ingedients:
Hexane, Liquefied Petroleum Gas, Polydimethylsiloxane

Appearance:
Clear
Odor:
Petroleum/Solvent odor
pH:
N/A
Storage:
Below 120°F (49°C)
Boiling Point:
<0°F - >156°F
Vapor density:
Above 1.0
Evaporation Rate:
Not established
Specific Gravity:
(water=1)
Below 0.56 ∀ .05
Solubility in Water:
Negligible

FEATURES AND BENEFITS
- Can be used on all metallic and non-metallic surfaces.
- Eliminates snow and ice build-up.
- Clear, non-staining, odorless, moisture resistant.

APPLICATIONS AND USES
USE ON: Snowplows, Snowblowers, Backhoes, Front End Loaders and Snow Shovels.

DIRECTIONS FOR USE
Shake well. Hold can 8 to 10 inches from point of application. For proper application and optimum performance, product should not be stored in temperatures under 60° F.

D - TOOLS & SHOP SUPPLIES



















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***ELECTRONIC and AIR POWER TOOLS – EQUIPMENT – ACCESSORIES**

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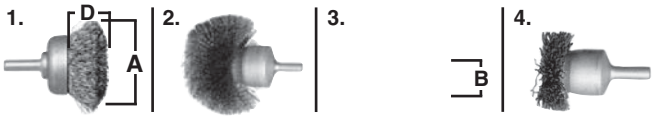
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NOTES

STEEL WIRE WHEEL and WIRE SCRATCH BRUSHES

STEM MOUNTED WIRE WHEEL BRUSHES

- For carbon cleaning, polishing, weld cleaning, scale removal, rust & paint removal, rubber & plastic flash removal, deburring and ID pipe cleaning mounted on 1/4" stems.
- Use on portable power tools.

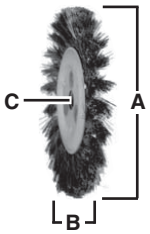


PART NUMBER	STYLE	(A) DIA	WIRE SIZE	(D) TRIM LENGTH	(B) FACE WIDTH	MAX RPM
812711	Cup [1]	1-3/4	.0118	3 / 4	--	13,000
812712	Circular flair [2]	3	.008	2	--	14,000
812713	Conflex narrow [3]	3	.008	--	3/8	20,000
812714	Conflex narrow [3]	3	.0118	--	3/8	20,000
812154	Conflex wide [4]	1-1/2	.0118	--	1/2	20,000
812719	Circular flair [2]	1-1/2	.006	1	--	20,000
812720	Conflex narrow [3]	2	.014	7/16	--	25,000
812721	Conflex narrow [3]	2-1/2	.014	11/16	--	20,000

KNOT WIRE WHEELS

- For high impact, heavy duty cleaning in severe applications, weld cleaning, removal of rubber & plastic flash.



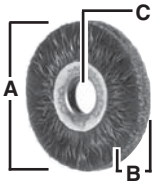


PART NUMBER	(A) DIA (INCHES)	WIRE SIZE	(B) FACE WIDTH	(C) ARBOR (INCHES)	MAX RPM
812753	4	.014	1/4	5/8-11	20,000
812151	6	.023	1/2	1/2, 5/8	9000

EPOXY ENCAPSULED WIRE WHEEL

- The wire tips are firmly held & supported producing an aggressive brushing action & longer life.
- For heavy duty - burr removal, weld scale, rust & cleaning in narrow or confined areas.

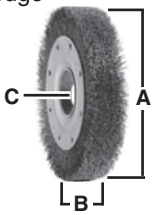
"Mule Skinner"



PART NUMBER	(A) DIA (INCHES)	WIRE SIZE	(B) FACE WIDTH	(C) ARBOR (INCHES)	MAX RPM
812715	2	.014	1/4	1/2	20,000

CRIMPED WIRE WHEELS

- For cleaning rust, scale and dirt, deburring, edge blending, surface preparation & finishing.
- Light and medium duty work.



PART NUMBER	(A) DIA (INCHES)	WIRE SIZE	(B) FACE WIDTH	(C) ARBOR (INCHES)	MAX RPM
812702	6	.014	3/4	1/2, 5/8	6,000
812150*	6	.014	1	2	6,000
812899*	8	.012	1	2	4,000

*** Order adapters separately.**

ARBOR ADAPTERS

PART NUMBER	SIZE
812750	1/2
812751	5/8
812752	3/4

- Reduces wire wheels with 2" arbor holes.

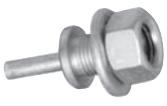
Sold In Pairs



THREADED DRIVE ARBOR

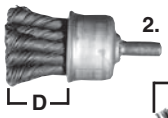
- For adapting wire wheels with 1/2" arbor to portable power tools.
- 1/2" diameter.
- 1/4" shank.

Part No. **812157**



STEM MOUNTED WIRE END BRUSHES

- Crimped wire for light & medium duty.
- Knot wire for heavy duty cleaning, finishing & polishing.
- Removes burrs, weld splatter, etc.
- Mounted on 1/4" stems. Use on portable power tools.

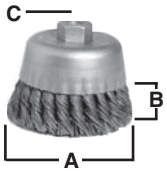




PART NUMBER	STYLE	(A) DIA	WIRE. SIZE	(D) TRIM LGTH	MAX RPM
812709	Crimped wire [1]	1/2	.020	7/8	25,000
812710	Crimped wire [1]	3/4	.020	7/8	20,000
812153	Crimped wire [1]	1	.014	7/8	20,000
812152	Knot [2]	1-1/8	.020	7/8	20,000

KNOT WIRE CUP BRUSHES

- For heavy duty cleaning, roughening, deburring on large metal surfaces.
- Removal of weld scale, corrosion, paint, rust on large surfaces.
- Provides high impact cutting action in severe applications.
- All have a single row of knot wire with one exception. Part No. 812708 has a double row of knot wire.



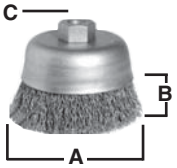


***Double Row of Knot Wire**
Part No. **812708**

PART NUMBER	(A) DIA (INCHES)	WIRE SIZE	(B) TRIM LENGTH	(C) ARBOR (INCHES)	MAX RPM
812706	4	.023	1-1/4	5/8-11	9,000
812707	6	.023	1-3/8	5/8-11	6,000
812708*	6	.023	1-3/8	5/8-11	6,000

CRIMPED WIRE CUP BRUSHES

- For light and medium duty cleaning, roughening, & deburring of large metal surfaces.
- Removes weld scale, rust, paint and corrosion.



PART NUMBER	(A) DIA (INCHES)	WIRE SIZE	(B) TRIM LENGTH	(C) ARBOR (INCHES)	MAX RPM
812704	4	.020	1-3/8	5/8-11	9,000
812705	6	.020	1-1/8	5/8-11	6,000

WIRE SCRATCH BRUSHES

14" x 15/16" Block Size
3 x 19 Rows of wire
Part No. **812155**



10" x 1-1/8" Block Size
4 x 16 Rows of wire
Part No. **812156**



STEEL, NYLON and GRINDER BRUSHES

POWER TUBE BRUSHES

Great for those blind & hard to reach areas.

Ideal for: Deburring, cleaning of drilled holes and internal threads. Cleaning and finishing internal diameters of pipes & tubes. Carbon removal. Used in drill presses, portable tools and lathes. Also used as hand tool.

Maximum safe speed is 3,450 RPM
Constructed of "HT" Steel Wire (High Tensile, Heat Treated)



– ROUND TYPE –

PART NUMBER	DIA. (INCHES)	WIRE SIZE	STEM DIA.	OVERALL LENGTH	BRUSH LENGTH
815168	1/4	.004	1/8	3-1/2	1
815169	1/2	.005	3/16	3-1/2	1
815170	5/8	.005	3/16	3-1/2	1
815171	3/4	.006	1/4	3-1/2	1



– DOUBLE SPIRAL TYPE –

PART NUMBER	DIA. (INCHES)	WIRE SIZE	OVERALL LENGTH	BRUSH LENGTH
815178	1/2	.004	5	2
815179	5/8	.005	5	2
815180	3/4	.006	5-1/2	2-1/2
815181	1	.010	5-1/2	2-1/2

NOTE: All Power Tube Brushes must be fully chucked before using.

CONDENSER TUBE BRUSHES

Stainless steel single spiral / double stem.



PART NUMBER	SIZE (INCHES)
815229	3/4 x 4 x 12-24 Female Thread

MINIATURE BRUSHES

For light deburring, cleaning, or polishing. Used with high speed portable and flexible shaft tools. Cup & wheel brushes have a solid ring construction - each individual filament is wrapped around solid steel ring which ensures the filament is permanently anchored.



– CUP BRUSHES –

PART NUMBER	DIA.	WIRE SIZE	STEM DIA.	MAX. RPM	FILL TYPE
815164	9/16	.005	1/8	25,000	Wire



– END BRUSHES –

PART NUMBER	DIA.	WIRE SIZE	STEM DIA.	MAX. RPM	FILL TYPE
815166	3/16	.003	1/8	25,000	Wire



– WHEEL BRUSHES –

PART NUMBER	DIA.	WIRE SIZE	STEM DIA.	MAX. RPM	FILL TYPE
815162	3/4	.003	1/8	25,000	Wire

TUBE FITTING BRUSHES

Stainless steel wire.



ID plumbing sizes

Highest quality fitting brush, double spiral 4-ply wire construction. Solid plastic hand-fitting handle with convenient hole for hanging.

PART NUMBER	SIZE	PART NUMBER	SIZE	PART NUMBER	SIZE
815425	1/8	**815428**	1/2	**815430**	3/4
815426	1/4	**815429**	5/8	**815431**	1
815427	3/8				

MIGHTY MITES®

Small angle grinder brushes used for: roughening, deburring, cleaning, rust / paint removal, surface conditioning and weld splatter.

- Permanently marked thread size - easy to tell what brush fits what grinder.
- Quick mount hi-profile nut - perfect balance.
- All steel hub construction.
- 'HT" steel wire high tensile, heat treated) for long life.
- Solid ring construction - each wire held around solid steel ring.



CRIMPED WIRE CUP

PART NUMBER	DIA. (INCHES)	WIRE SIZE	ARBOR THREAD SIZE.	TRIM LENGTH	FACE WIDTH	MAX. SAFE SPEED
815188	3	.014	5/8"-11 UNC	1	5/8	14,000



KNOT WHEEL
(Stringer Bead Twist)

PART NUMBER	DIA. (INCHES)	WIRE SIZE	ARBOR THREAD SIZE.	TRIM LENGTH	FACE WIDTH	MAX. SAFE SPEED
815194	4	.020	10mm x 1.25*	7/8	3/16	20,000
815198	4	.020	5/8"-11 UNC	7/8	3/16	20,000



KNOT CUP

PART NUMBER	DIA. (INCHES)	WIRE SIZE	ARBOR THREAD SIZE.	TRIM LENGTH	FACE WIDTH	MAX. SAFE SPEED
815192	2-3/4	.020	1/2"-13 UNC	3/4	3/8	14,000
815193	2-3/4	.020	5/8"-11 UNC	3/4	3/8	14,000



KNOT WHEEL
(Cable Twist)

PART NUMBER	DIA. (INCHES)	WIRE SIZE	ARBOR THREAD SIZE.	TRIM LENGTH	FACE WIDTH	MAX. SAFE SPEED
815203	4	.020	5/8"-11 UNC	7/8	1/4	20,000

ABRASIVES and GRINDING

ABRASIVE AND GRINDING ASSORTMENT

Contains All You Need To Do Just About Any Type Of Grinding Or Surface Preparation.



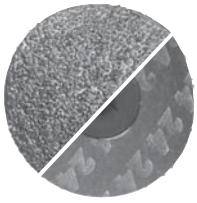
Part No. 501662
40 pieces • 23 items
12071 steel tray
Includes mandrels & holders

811617	811686	812475	812498	815129
811618	811688	812479	812499	815137
811644	812460	812483	812725	815140
811645	812461	812491	812726	
811675	812466*	812495	815120	

Numbers in assortment

***Will be deleted once stock is depleted.**

TWIST-LOCK MINI GRINDING DISCS



Edge grinding, deburring & polishing.

MOUNTED FLAP WHEELS



For contoured surfaces and hard-to-reach areas.

MOUNTED GRINDING WHEELS



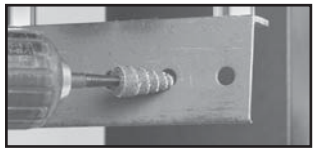
Ideal for weld grinding.

TWIST-LOCK SURFACE PREP DISCS



Removes rust, gasket residue, pre-paint finishing.

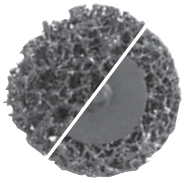
SAMPLES OF ITEMS IN USE





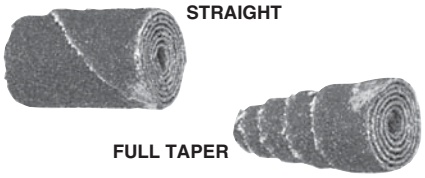


STRIP-IT TWIST-LOCK DISCS



Removes scale, paint, tar. Cleans stone, marble, etc.

CARTRIDGE ROLLS



Deburring, blending and finishing hard-to-reach areas.

TRIM-KUT DISCS



Edge grinding, surface prep & polishing.

COATED ABRASIVES

ZIRCONIUM BLUE FLASH FLAP DISCS

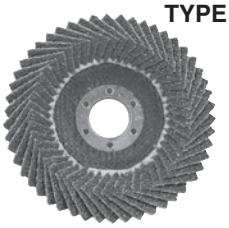
Best used on flat or gently contoured surfaces for:
- Paint & rust removal.
- Die cast and weld grinding.
- Auto body finishing.
- Aluminum finishing.
- Deburring & masonry work.
- Wood & plastic work.

IMPORTANT: To obtain a similar surface finish select a flap disc which is 1 - 2 grades coarser than conventional disc.

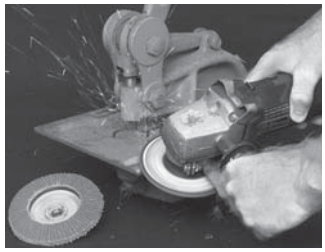
TYPE 29



TYPE 27



PSS110816.BLUEFLASHDISC



AGGRESSOR

- Aluminum backing plate.

– ANGLED FACED - TYPE 29 –

PART NUMBER	WHEEL SIZE DIA (INCHES)	ARBOR HOLE	GRIT	MAX SPEED RPM
815131	4-1/2	5/8-11	36	13,000
815132	4-1/2	5/8-11	60	13,000
815133	4-1/2	5/8-11	80	13,000

JUMBO DENSITY

- 80% more life - fiberglass backing plate.

– ANGLED FACED - TYPE 29 –

PART NUMBER	WHEEL SIZE DIA (INCHES)	ARBOR HOLE	GRIT	MAX SPEED RPM
815375	4-1/2	7/8	36	13,300
815376	4-1/2	7/8	60	13,300
815377	4-1/2	7/8	80	13,300
815378	4-1/2	5/8-11	36	13,300
815379	4-1/2	5/8-11	60	13,300
815380	4-1/2	5/8-11	80	13,300

NON-SCRATCHING

- Fiberglass backing plate.

– ANGLED FACED - TYPE 29 –

PART NUMBER	WHEEL SIZE DIA (INCHES)	ARBOR HOLE	GRIT	MAX SPEED RPM
815350	4-1/2	7/8	36	13,300
815351	4-1/2	7/8	60	13,300
815352	4-1/2	7/8	80	13,300
815349	4-1/2	7/8	120	13,300
815353	4-1/2	5/8-11	36	13,300
815354	4-1/2	5/8-11	60	13,300
815355	4-1/2	5/8-11	80	13,300

Ideal for blending and finishing on contoured surfaces.
Blending welds on right angle sections.
Pipe/tube fabrication/stainless steel vessel fabrication.

- Unique construction gives flexible abrasive flaps.
- More flexible compared to resin fibre discs.
- Longer life compared to resin fibre discs.

– FLAT FACED - TYPE 27 –

PART NUMBER	WHEEL SIZE DIA (INCHES)	ARBOR HOLE	GRIT	MAX SPEED RPM
815359	4-1/2	7/8	36	13,300
815360	4-1/2	7/8	60	13,300
815361	4-1/2	7/8	80	13,300
815362	4-1/2	7/8	120	13,300
815363	4-1/2	5/8-11	36	13,300
815364	4-1/2	5/8-11	60	13,300
815365	4-1/2	5/8-11	80	13,300
815366	4-1/2	5/8-11	120	13,300
815369	7	7/8	80	8,600

COATED ABRASIVES

MINI - ZIRCONIUM BLUE FLASH FLAP DISCS

Polishing and finishing, chamfering, deburring, grinding, stock and weld removal, weld preparation, blending, beveling, edge grinding and grid line removal.

- Simultaneously grind and finish in one application.
- Consistent aggression throughout disc life.
- Grinds cool, reducing bluing and burning of work surface.
- Overlapping flap construction virtually eliminates edge wear.
- Coarser grits provide for rapid stock removal.
- Small diameters permit access to confined and hard-to-reach areas.
- Interrupted flap surface reduces glazing and loading.
- 20 times the life of cloth backed disc.
- Used on stainless steel, cast iron, brass, bronze, aluminum, titanium, inconel composites, fiberglass, plastic and much more.
- Used with straight or angled grinders and electric power tools.

PSS110916.BLUEMINIFLASHDISC





Used by:

- Sheet metal fabrication.
- Aerospace.
- Foundries.
- Maintenance dept.'s.
- Petrochemical.
- Food equipment.
- Appliance.
- Automotive.
- And much, much more...

TWIST-LOCK MINI FLAP DISC - ZIRCONIUM COATED

– FLAT –

- For confined and hard-to-reach areas.

PART NUMBER	SIZE DIA (INCHES)	GRIT	MAX SPEED RPM
815304	2	36	30,000
815305	2	60	30,000
815306	2	80	30,000
815307	2	120	30,000
815308	3	36	20,000
815309	3	60	20,000
815310	3	80	20,000
815311	3	120	20,000



2" TEST KIT
Part No. 815300
Each kit contains
(1) 36, 60, 80 & 120 grit disc
plus (1) disc holder pad

3" TEST KIT
Part No. 815301
Each kit contains
(1) 36, 60, 80 & 120 grit disc
plus (1) disc holder pad

– FLEXIBLE –

- For contoured and irregular surfaces.

PART NUMBER	SIZE DIA (INCHES)	GRIT	MAX SPEED RPM
815312	2	36	30,000
815313	2	60	30,000
815314	2	80	30,000
815315	2	120	30,000
815316	3	36	20,000
815317	3	60	20,000
815318	3	80	20,000
815319	3	120	20,000



2" TEST KIT
Part No. 815302
Each kit contains
(1) 36, 60, 80 & 120 grit disc
plus (1) disc holder pad

3" TEST KIT
Part No. 815303
Each kit contains
(1) 36, 60, 80 & 120 grit disc
plus (1) disc holder pad



– HOLDERS –

PART NUMBER	SIZE DIA (INCHES)
811617	2
811618	3



E-Z ABRASIVE MOUNTED FLAP WHEELS

PART NUMBER	GRIT	SIZE	MAX RPM
815136	60	1 x 1	25,000
815137	80	1 x 1	25,000
815138	120	1 x 1	25,000
815324	60	1-1/2 x 1	25,000
815325	80	1-1/2 x 1	25,000
815326	120	1-1/2 x 1	25,000

PART NUMBER	GRIT	SIZE	MAX RPM
815139	60	2 x 1	25,000
812425	80	2 x 1	23,000
815140	120	2 x 1	23,000
815141	60	3 x 1	20,000
815142	80	3 x 1	20,000
815143	120	3 x 1	20,000

Achieve a uniform finish on steel, aluminum, wood, plastic, acrylics, stainless steel & fiberglass.

- Excellent for contoured surfaces and hard to reach areas.
- Unique design assures smoother running at higher speeds.
- Special non-loading, aluminum oxide, resin bond cloth.

Mounted on 1/4" Round Shaft



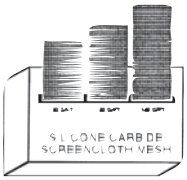
SILICON CARBIDE SCREEN CLOTH ASSORTMENT

Working & polishing grits, all in one easy-to-use, sturdy dispenser box.

Replacement Rolls

PART NUMBER	GRIT	SIZE	GRADE
812444	80	1-1/2 x 10 yd	Coarse
812445	120	1-1/2 x 10 yd	Medium
812446	180	1-1/2 x 10 yd	Fine

PSS110716.812444-446



Part No. 812440

SILICON CARBIDE SCREEN CLOTH DISPENSER ROLLS

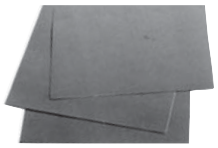
GRIT	PART NUMBER 1-1/2" x 25 ft.	PART NUMBER 1-1/2" x 25 yd.	GRADE
80	**812442**	**812452**	Coarse
120	**812199**	**812451**	Medium
180	**812443**	**812450**	Fine



COATED ABRASIVES

EMERY CLOTH SHEETS

General purpose metal sanding.



- Quick rust removal - for dry use only.
- Made of long-lasting Aluminum Oxide.

PART NUMBER	GRIT	SIZE (INCHES)	QTY
812186	80	9 x 11	25
812185	120	9 x 11	25
812184	180	9 x 11	25

EMERY CLOTH UTILITY ROLLS

Deburring, cleaning, removing rust and smoothing rough spots.



- Long lasting Aluminum Oxide.
- For dry use only.

GRIT	PART NUMBER					
	1" x 50 ft.	1" x 50 yd.	1-1/2" x 50 ft.	1-1/2" x 50 yd.	2" x 50 ft.	2" x 50 yd.
80	**812338**	**811624**	**812139**	**811630**	**812346**	**811633**
120	**812195**	**811623**	**812138**	**811629**	**812196**	**811632**
150	**812339**	**811622**	**812343**	**811628**	---	---
180	**812340**	**811621**	**812137**	**811627**	---	**811631**
240	**812341**	**811620**	---	**811626**	---	---
320	**812342**	---	**812345**	**811625**	---	---

CROCUS CLOTH SHEETS

Smooth polishing & finishing of all machined surfaces.



- Superfine crocus powder.
- Use dry or with oil as lubricant.

PART NUMBER	GRIT	DIA. (INCHES)	QTY
812187	FINE	9 x 11	25

CARBORUNDUM: Flexback Crocus Cloth
NORTON: Crocus Cloth
3M: Crystal Crocus Cloth

FASTCUT SANDING SHEETS

Shaping & finishing plastic filler and feather-edging, deburring metal, clean-up and wood finishing.

- Open coat resists loading.
- Aluminum oxide coated to paper backing.



PART NUMBER	GRIT	SIZE (INCHES)	QTY
812174	120	9 x 11	25
812188	80	9 x 11	25
811634	40	9 x 11	25
811638	80	3 x 8	100
811640	40	3-2/3 x 9	50

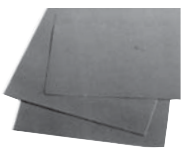
CARBORUNDUM: "Fastcut" Paper-Aloxite Open
NORTON: Adalox Paper-Open coat
3M: Production Cabinet Paper Open Coat

FASTCUT WET or DRY SHEETS

Surface sanding, feather-edging, old finishes.

(wet sanding with water)

- Special, long lasting silicone carbide coating.
- Sheets stay flexible & cut fast.



PART NUMBER	GRIT	SIZE (INCHES)	
812175	600A	9 x 11	25
812189	400	9 x 11	25
812190	320	9 x 11	25
812191	220	9 x 11	25

CARBORUNDUM: "Fastcut" Waterproof Paper, Silicone Carbon
NORTON: Speed wet or Tufbak Durite Paper
3M: Wet or Dry, Softback, Tri-M-Ite Paper Type "W"

3M STIKIT GOLD DISCS – ROLLS

- Durable and long lasting.
- Available in a full range of grits in "A" weight, comes in roll form.
- Pressure sensitive adhesive for easy application and removal.

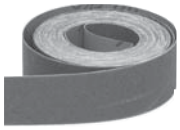


PART NUMBER	GRIT	DIA. (INCHES)	QTY
901417	P500	5	175/box
901419	P400	5	175/box
901420	P320	5	175/box
901421	P280	5	175/box
901422	P240	5	175/box
901423	P220	5	175/box
901424	P180	5	175/box
901425	P150	5	175/box
901426	P120	5	175/box
901427	P100	5	175/box
901428	P80	5	175/box

PART NUMBER	GRIT	DIA. (INCHES)	QTY
901435	320A	6	175/box
901439	180A	6	175/box

PLUMBERS ROLLS

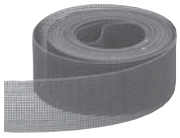
Used to clean copper tubing and fittings.



Part No. 812447
1-1/2" x 10 yds.

E-Z CLEAN CLOTH ROLL

- Water resistant.
- Aluminum oxide double bonded to cloth backing for durability.
- Fast cleaning.
- Long lasting, 120-J grit.
- Packed in dispenser box.

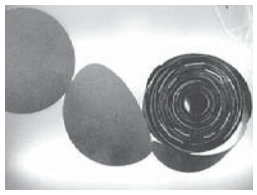


Part No. 812448
1-1/2" x 5 yds.

GRIP-KUT MESH CLOTH ROLL

- 100% waterproof.
- Aluminum oxide on both sides provides long lasting sharp cutting.
- 180 grit, open-mesh coated on a synthetic nylon backing.
- Reuseable, just rinse in water or tap against hard surface.
- Packed in dispenser box.

3M STIKIT GREEN DISC ROLLS



- More durable and longer lasting than most disc products.
- Pressure sensitive backing for easy application.
- Comes in roll form.

PART NUMBER	GRIT	DIA. (INCHES)	QTY
901506	80D	6	100

3M STIKIT DISC PAD

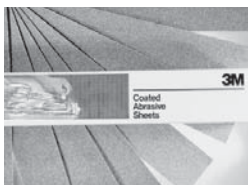


- Made for use with STIKIT discs.
- Vinyl pad face provides good adhesion, and easy disc removal.
- Lightweight, shock resistant & well balanced.
- Maximum RPM is 7,000.

PART NUMBER	DIA (INCHES)	QTY
905576	6	ea

3M SANDING SHEETS

Production Paper Sheets (Open Coat)



- Dry sand only by machine or hand.
- Resists loading and works well for shaping and finishing plastic filler and feather-edging.

PART NUMBER	GRIT	DIA. (INCHES)	QTY
902135	80D	2-3/4 x 17-1/2	100/box

COATED ABRASIVES

3M SANDING SHEETS

Wet or Dry TRI-M-ITE Paper Sheets

- Use wet or dry for sanding old finishes, fine feather-edging & surface sanding.
- Stays flexible and cuts fast.

Used on various disc machines for:
- **Sanding old finishes.**
- **Fine feather-edging.**
- **Sanding primer surfaces.**

PART NUMBER	GRIT	DIA. (INCHES)	QTY
902000	600A	9x11	50/box
902002	400A	9x11	50/box
902004	320A	9x11	50/box
902007	220A	9x11	50/box



BOLT ON FAST CUT GRINDING DISCS

- Closed coat - resists loading & glazing.
- Designed for fast cutting & uniform finishing.
- Used for metal or plastics, sanding and paint stripping.
- Max. safe operating speed 5000 RPM.
- Aluminum oxide abrasive coated, to fiber backing.

PART NUMBER	QTY	GRIT	SIZE (INCHES)	HOLE SIZE (INCHES)
815330	5	24	4-1/2	7/8
815331	5	36	4-1/2	7/8
815332	5	50	4-1/2	7/8
815333	5	60	4-1/2	7/8
815334	5	80	4-1/2	7/8

PART NUMBER	QTY	GRIT	SIZE (INCHES)	HOLE SIZE (INCHES)
815336	5	120	4-1/2	7/8
815337	5	36	5	7/8
815144	6	24	5	7/8
815145	6	120	7	7/8

PART NUMBER	QTY	GRIT	SIZE (INCHES)	HOLE SIZE (INCHES)
815147	6	80	7	7/8
812192	6	36	7	7/8
812193	6	24	7	7/8
812194	6	16	7	7/8



SPIRAL BANDS

Ideal for grinding, blending, stock removal, deburring, finishing, polishing, shaping, smoothing, on flat and contoured surfaces in hard-to-reach places.

SIZE DIA. x LENGTH	GRIT	PART NUMBER	QTY
1/2 x 1/2	60	**815460**	20
1/2 x 1/2	80	**815461**	20
1/2 x 1/2	120	**815462**	20
3/4 x 1	36	**815463**	20
3/4 x 1	60	**815464**	20
3/4 x 1	80	**815465**	20
3/4 x 1	120	**815466**	20
1 x 1	36	**815467**	20
1 x 1	60	**815468**	20
1 x 1	80	**815469**	20
1 x 1	120	**815470**	20
1 x 1	180	**815471**	20

SIZE DIA. x LENGTH	GRIT	PART NUMBER	QTY
1 x 1-1/2	60	**815472**	20
1 x 1-1/2	80	**815473**	20
1 x 1-1/2	120	**815474**	20
1-1/2 x 1	36	**815475**	20
1-1/2 x 1	60	**815476**	20
1-1/2 x 1	80	**815477**	20
1-1/2 x 1	120	**815478**	20
2 x 1	36	**815479**	20
2 x 1	60	**815480**	20
2 x 1	80	**815481**	20
2 x 1	120	**815482**	20

- Extra durable - inner cloth liner adheres to band.
- Eliminates slippage with cloth inner liner.
- Cuts cost - no tooling for operator.
- Eliminates lap marks.
- Fast cutting - leaves a smooth even superior finish.
- Aluminum oxide, x-weight cloth.
- Eliminates tedious, time consuming hand work in production, toolroom, maintenance and automotive applications.
- Used on portable drills, die grinders. straight shaft and angle grinders.
- Provides smooth chatter free operation.





Part No. 501702
49 pieces • 16 items • 12050 steel tray

815451	**815464**	**815469**	**815478**
815452	**815465**	**815470**	**815480**
815454	**815466**	**815476**	**815481**
815455	**815468**	**815477**	**815482**

Numbers in assortment

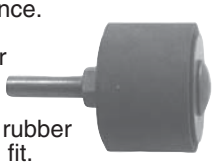
SOLID RUBBER DRUMS

Used with spiral bands.

SIZE DIA. X LENGTH	RPM'S MAX.	PART NUMBER	QTY
1/2 x 1/2	30,000	**815450**	1
3/4 x 1	19,000	**815451**	1
1 x 1	18,000	**815452**	1

SIZE DIA. X LENGTH	RPM'S MAX.	PART NUMBER	QTY
1 x 1-1/2	10,000	**815453**	1
1-1/2 x 1	14,000	**815454**	1
2 x 1	11,000	**815455**	1

- Balanced for max. performance.
- Controlled expansion.
- Constructed of 60 durometer live rubber.
- 1/4" shaft diameter.
- Tightening hex nut expands rubber and locks on bands for snug fit.



3M ROLOC™ BRAKE ROTOR SURFACING DISCS

Designed to produce a non-directional scratch pattern as a final step after turning brake rotors.

- Helps eliminate brake squeal.
- Improves stopping power.
- May be used while brake rotor is on or off of brake lathe.
- Disc pad with 1/4" shank attaches to any 1/4" drill or air tool.
- 120 Fine Grit - best suited for conditioning rotors.
- Regalite sanding disc carbonate mineral lasts longer and produces faster, consistent cuts.



Starter Kit
Part No. 901410
Includes 1 backup disc pad and 9 Regalite Roloc Discs

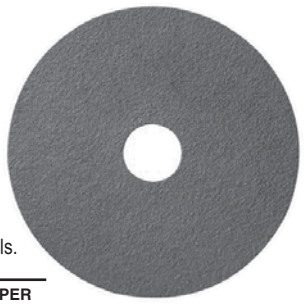
Disc Refills
Part No. 901411
Pack of 12 discs

FIBER DISCS

Grinding and Blending

- Aluminum oxide grain.
- General purpose.
- Closed coat structure for more material removal and better finishing.

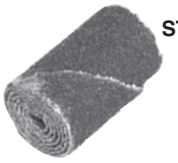
METAL
Ferrous and/or non-ferrous metals.



SIZE	GRIT	PART NUMBER	PK. PER BOX
4-1/2 x 7/8	**36**	**811502**	25
7 x 7/8	**36**	**811504**	25

COATED ABRASIVES

CARTRIDGE ROLLS



STRAIGHT

FULL TAPER

Used on portable drills, die grinders, straight shaft and angle grinders.

FEATURES / BENEFITS

- Aluminum Oxide resin bond cloth.
- Multi-layer coiled construction.
- Exposes sharp new cutting abrasives as each layer wears.
- 26,000 max. rpm's.
- Superior quality glue - stops loose ends.
- Ideal for hard-to-reach places.

APPLICATIONS

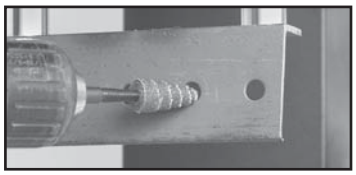
- Ideal for finishing operations.
- Irregular concaves, contours, dead-end holes, channels.
- Deburring, blending tool mark removal.
- Flash removal.

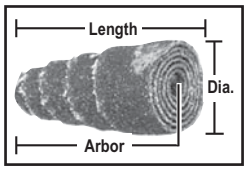
– STRAIGHT –

GRIT	DIA.	OVERALL LENGTH	ARBOR	PART NUMBER	QTY	USE MANDREL NUMBER
120	3/8	1-1/2	1/8	**812475**	25	**812499**
60	3/8	1-1/2	1/8	**---**	-	**812499**
120	1/2	1	1/8	**812478**	25	**812498**
80	1/2	1	1/8	**812479**	25	**812498**
60	1/2	1	1/8	**812480**	25	**812498**
60	1/2	1-1/2	1/8	**812483**	25	**812499**

– FULL TAPER –

GRIT	DIA.	OVERALL LENGTH	ARBOR	PART NUMBER	QTY	USE MANDREL NUMBER
120	3/8	1	1/8	**812490**	20	**812498**
80	3/8	1	1/8	**812491**	20	**812498**
60	3/8	1	1/8	**812492**	20	**812498**
120	1/2	1-1/2	1/8	**812493**	20	**812499**
80	1/2	1-1/2	1/8	**812494**	20	**812499**
60	1/2	1-1/2	1/8	**812495**	20	**812499**



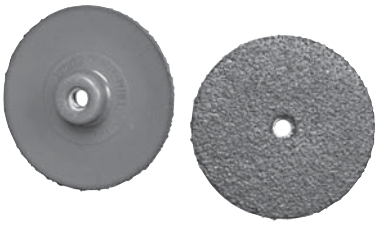


CARTRIDGE ROLL MANDRELS



PILOT DIA.	SHANK DIA.	PILOT LENGTH	PART NUMBER		SHANK LENGTH
1/8	1/4	3/4	**812498**	1	1-1/8
1/8	1/4	1	**812499**	1	1-1/8

TRIM-KUT DISCS



Edge grinding, weld and brazing surface preparation, remove paint, body filler, rust and corrosion, deburring and polishing.

- Self trimming - constant new cutting surface.
- Trim-Kut is designed to run cooler and work faster than any other type of sanding discs.
- Tough aluminum oxide grain is impregnated into durable plastic (polyamide) backing.
- Extremely lightweight for power tools.
- Use all the way to the core.
- No tooling spin-on and spin-off. That Quick!
- Used with high speed pneumatic tools, electric angle grinders, and low speed electric drills.
- Works on wood, metal, fiberglass, glass, stone, plastics, ceramics, non-ferrous metals, and composites.
- Trim down feature eliminates need for smaller disc for hard to reach areas.

PART NUMBER	DIAMETER INCHES	GRIT	MAX RPM	QTY
812460	3	36 Coarse	21,000	5
812461	3	60 Medium	21,000	5

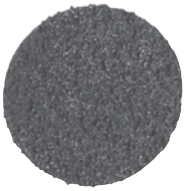
PREDATOR SERIES

Premium Quick Change Ceramic Grinding Discs

Quick-Change Fibre Backed Ceramic Disc for aggressive grinding, stock removal, welds, deburring, rust and corrosion.



PSS061813



- The best performing disc in the quick-change grinding category.
- Self-sharpening, high performance ceramic grain will cut 2Xs faster & last 3Xs longer than general purpose alumunim oxide grain.
- Made with durable heavy-duty vulcanized fibre backing.
- Fibre backed disc provide extended service life vs. conventional cloth backed disc.
- Popular "male" fastening system allows for fast & easy disc engagement.

PART NUMBER	GRIT/ GRADE	DIA.	DISC HOLDER	MAX RPM	QTY
815250	50	2"	**815282***	30,000	25
815251	36	2"	**815282***	30,000	25
815252	24	2"	**815282***	30,000	25
815253	50	3"	**815283***	20,000	25
815254	36	3"	**815283***	20,000	25
815255	24	3"	**815283***	20,000	25

***1/4" shaft diameter**

SURFACE PREP & GRINDING DISCS ASSORTMENT

– FOR STEEL & ALUMINUM –



Part No. 501789

44 pieces • 11 items • 12051 steel tray

811676	**815260**	**815263**	**815282**
815250	**815261**	**815270**	**815283**
815251	**815262**	**815271**	

Numbers in assortment

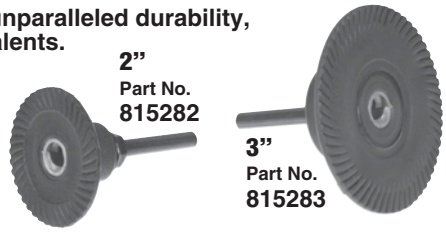
COATED ABRASIVES

TYPE-R DISC HOLDER PADS

Quick • PREMIUM QUALITY

The unique design & construction of this "air-cooled" holder pad provides unparalleled durability, performance and service life vs. conventional rubber equivalents.

- Perimeter air channels on pad surface suppresses heat generation during use, extending abrasive disc service life.
- Uniform 3-piece composition contributes to a balanced & vibration free use.
- Can be used with all discs having Type R (Roloc) male fasteners.
- Interchangeable mandrels & arbor adapters allow each pad to be quickly converted from use in chucks/collets (1/4" mandrels) to small angle grinder threaded spindles (5/8-11 adapters).



2"
Part No.
815282

3"
Part No.
815283

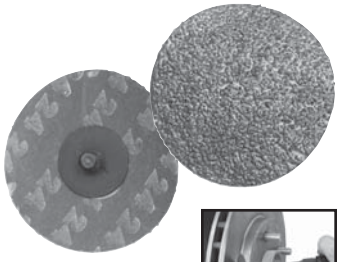
TWIST-LOCK MINI GRINDING DISCS

Edge grinding, weld and brazing surface preparation, remove paint, body filler, rust and corrosion, deburring and polishing.

- Environmentally friendly - manufactured with non carcinogenic bonding agents.
- Resin fibre discs outlast and outperforms cloth discs.
- Resist stretching, shedding and grain loss.
- Maintain their flexibility to work in contours.
- Better cutting action, self sharpening, efficient grinding.
- Improved productivity by reducing change over and down time.
- Reduce heat and loading, extend disc life.
- 120 & 100 grit used for brake rotors.
- 36 & 24 grit used to clean up welds.
- Aluminum oxide grain to fibre backed substrates.
- Outperforms, outlasts cloth 2 & 3 ply discs.

PART NUMBER	QTY	DIA. INCHES	GRIT	MAX RPM	APPLICATION GUIDE
811752*	25	2	120	25,000	General purpose
811750*	25	2	80	25,000	General purpose
811685*	10	2	50	25,000	Blending, rust removal
811686*	10	2	36	25,000	Weld removal, grinding, deburring
811687*	10	2	24	25,000	Weld removal, grinding, deburring
811688†	10	3	120	20,000	Smooth sanding/polishing wood, plastics & fiberglass
811689†	10	3	100	20,000	Deburring/blending ferrous & non-ferrous metals
					Produces non-directional scratch patterns on surface of brake rotors
811690†	10	3	50	20,000	Blending, rust removal
811691†	10	3	36	20,000	Weld removal, grinding, deburring
811692†	10	3	24	20,000	Weld removal, grinding, deburring

***2" use holder no. 811617** **†3" use holder no. 811618**





ALL SIZES AVAILABLE IN A SUPER VALUE PAK
25 per box

3M ROLOC™ GRINDING DISCS

For fast removal of surface imperfections, rust, scale, excess weld material in tight, restricted areas.

- Quick change, threaded fastener mounting system. 1/2 turn on, 1/2 turn off.
- Also works on twist-lock disc holders.
- Use with any 1/4" drill or air tool.
- Available in two sizes with three different grades.
- Discs are color coded: on backing plate
  Grade 50 - green, Grade 36 - brown, Grade 24 - black



Part No. 501632
32 pieces • 8 items
12061 steel tray

901396	901406	905539
901397	901407	905540
901398	901408	

Numbers in assortment

PART NUMBER	GRIT/ GRADE	DIA.	DISC HOLDER	MAX RPM	QTY
901396	50	2"	**905539***	20,000	25
901397	36	2"	**905539***	20,000	25
901398	24	2"	**905539***	20,000	25
901406	50	3"	**905540***	18,000	25
901407	36	3"	**905540***	18,000	25
901408	24	3"	**905540***	18,000	25

***1/4" shaft diameter**



MINI DEPRESSED CENTER GRINDING WHEELS - TYPE 27

Aluminum Oxide

PSS112216

Automotive parts manufacturing, sheet metal production, finishing work, weld spot cleaning, ornamental iron work, rough die cast cleaning & detailing, light to heavy stock removal.

- **Compact and lighweight:** For easy use in hard to reach work areas.
- **Advanced abrasive grain blend:** For smooth grinding.
- **Fiberglass reinforced:** For overall safety.
- **Designed to last longer:** Than traditional sanding discs and some carbide burs in the market.

Size:
2-5/16" x 5/32" x 3/8"

RPM:
20,000

PART NUMBER	SIZE	SPEC.
811882	2-5/16 x 5/32 x 3/8	A40
811883	2-5/16 x 5/32 x 3/8	A60
811884	2-5/16 x 5/32 x 3/8	A80

Use with portable grinder



TYPE 27

BONDED ABRASIVES

THOR TYPE 27 DEPRESSED CENTER GRINDING WHEELS

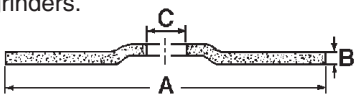


PSSZT010512

Made in USA

THOR grinding wheels are formulated to deliver the highest possible productivity and performance, whether it is used for beveling, weld or edge grinding applications.

- Special aluminum oxide grain.
- Externally reinforced with fiberglass layers to provide ultimate safety.
- Fast, burr-free cutting.
- Specifically designed for use on right angle grinders.



• GRINDING APPLICATIONS •

These wheels are for general purpose grinding where metal needs to be removed.

SIZE "A" DIA.	SIZE "B" WIDTH	SIZE "C" BORE	MAX RPM	GRAIN/ GRIT	USE	UNHUBBED PART NUMBER	QTY
4	1/4	5/8	15,000	**A24N**	Ferrous Metals, Fast Cut	**811693**	25
4-1/2	1/4	7/8	13,300	**A24N**	Ferrous Metals, Fast Cut	**811694**	25
4-1/2	1/4	7/8	13,300	**A24R**	Ferrous Metals, Long Life	**811695**	25
4-1/2	1/4	7/8	13,300	**AL36N**	Aluminum, Brass, Copper	**811696**	25
5	1/4	7/8	12,200	**A24N**	Ferrous Metals, Fast Cut	**811711**	25•
5	1/4	7/8	12,200	**A24R**	Ferrous Metals, Long Life	**811697**	25
7	1/4	7/8	8,500	**A24N**	Ferrous Metals, Fast Cut	**811713**	25•
7	1/4	7/8	8,500	**AL36N**	Aluminum, Brass, Copper	**811714**	25•

• NOT SOS LABEL

SIZE "A" DIA.	SIZE "B" WIDTH	SIZE "C" BORE	MAX RPM	GRAIN/ GRIT	USE	HEX HUB PART NUMBER	QTY
4-1/2	1/4	5/8-11	13,300	**A24N**	Ferrous Metals, Fast Cut	**811705**	25
4-1/2	1/4	5/8-11	13,300	**A24R**	Ferrous Metals, Long Life	**811706**	25
4-1/2	1/4	5/8-11	13,300	**AL36N**	Aluminum, Brass, Copper	**811716**	25•
7	1/4	5/8-11	8,500	**A24R**	Ferrous Metals, Long Life	**811707**	25
7	1/4	5/8-11	8,500	**AL36N**	Aluminum, Brass, Copper	**811715**	25•

• NOT SOS LABEL

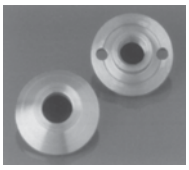
• GRINDING/CUTTING APPLICATIONS •

These wheels are specifically designed to do combination cutting and light grinding within the same application eliminating the need to change wheels or tools. Primarily used in the pipeline industry.

SIZE "A" DIA.	SIZE "B" WIDTH	SIZE "C" BORE	MAX RPM	GRAIN/ GRIT	USE	PART NUMBER	QTY
4-1/2	1/8	7/8	13,300	A30R	Ferrous Metals, Long Life	**811717**	25•
6	1/8	7/8	10,200	A30R	Ferrous Metals, Long Life	**811718**	25•

• NOT SOS LABEL

5/8-11 REUSEABLE ADAPTER

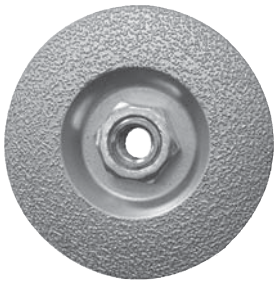


For Right Angle Grinders
Fits both Type 27 & 1 Wheels
with 7/8" Hole.

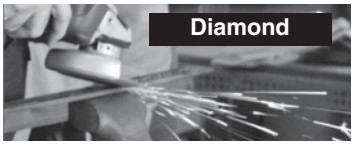
Part No. 822000

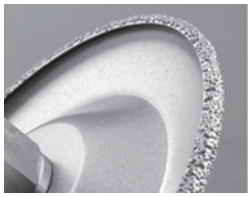
DIAMOND TYPE 27/29 DEPRESSED CENTER GRINDING WHEELS

Unique technology that allows a high concentration of diamonds to be solidly bonded to a steel surface for grinding metal.









PART NUMBER	DIA. (INCHES)	GRIT	ARBOR	MAX RPM
815002	4-1/2"	24	5/8-11 Hub*	13300
815004	4-1/2"	36	5/8-11 Hub*	14000
815012	4-1/2"	40/50	5/8-11 Hub*	13300

* Removable hub for 7/8" arbor

LONG LASTING – HIGH PERFORMANCE

- **Diamonds,** the hardest natural material gets the job done quickly and efficiently.
- **Outperforms Others –** last 50-60 times longer than standard grinding wheels.
- **Cost Efficient,** fewer purchases over time.
- **Less Down Time –** no need to have the operator changing wheels.
- **Promotes longer tool life –** no abrasive debris and minimum dust.
- **Super Safe –** eliminates breakage, cracking and failure.
- **Reduced Vibration,** sparks and odors.
- **Not Effected** by exposure to water.
- **Use On** high and low carbon steel, ductile iron, rail track, cast iron, alloys, stainless steel, pipeline application and foundry castings.

*** Additional sizes are available on a special order basis. Call for information.**

PSS071917

BONDED ABRASIVES

PSSB111717

LENOX® *METAL MAX DIAMOND™* - TYPE 1 CUT-OFF WHEELS

LENOX® METAL MAX™ is a new alternative to abrasive cut-off wheels. Its breakthrough diamond technology delivers extreme durability to help you maximize work efficiences and reduce costs.

1000+ CUTS - 30X LONGER WHEEL LIFE

- **Diameter Retention -** because LENOX *METALMAX* is made with diamonds, it doesn't get smaller. The cutting depth stays the same throughout its life, meaning better control, reach and precision.
- **Safety -** *METALMAX* is made with a solid steel body that is stronger to greatly reduce the risk of breakage.
- **Less Dust Residue -** with LENOX *METALMAX* there is less odor and dust residue as the wheel does not wear down like bonded abrasives. Visible sparks originate only from the material being cut.
- **One Wheel, Multiple Materials -** LENOX *METALMAX* is recommended for multiple types of metal including steel, sheet metal, stainless steel, rebar, cast iron, aluminum and non-ferrous metals.

PRODUCT DIMENSIONS						
PART NUMBER	DIA. (INCHES)	THICKNESS (INCHES)	ARBOR ADJUSTMENTS (INCHES)	OPTIONAL ARBOR (INCHES)	POWER TOOL TYPE	RPM MAX
815015	1.5"	.050"	3/8"	1/4"	Die Grinder	40200
815016	2"	.050"	3/8"	1/4"	Die Grinder	30500
815017	3"	.050"	3/8"	1/4"	Die Grinder	20300
815018	4"	.050"	3/8"	1/4"	Die Grinder	15200
815019	4"	.050"	5/8"	1/4"	Angle Grinder	15200
815020	4.5"	.050"	7/8"	–	Angle Grinder	13300
815021	5"	.050"	7/8"	–	Angle Grinder	12200
815022	6"	.050"	7/8"	Diamond Knock Out	Angle Grinder/Circular Saw	10100
815023	7"	.060"	7/8"	Diamond Knock Out	Angle Grinder/Circular Saw	8400
815024	8"	.060"	5/8"	Diamond Knock Out	Circular Saw	7600
815025	10"	.100"	5/8"	–	Stationary/Small Chop Saw	5900
815026	12"	.130"	1"	–	Chop Saw	5000
815027	14"	.130"	1"	–	Chop Saw	4300
815028	12"	.150"	1"	20mm	Gas Saw	6200
815029	14"	.150"	1"	20mm	Gas Saw	5300



When cutting aluminum, it is recommended to use LENOX *LUBE TUBE*, Part No. 211512 to avoid chip welding.

D SECTION
TOOLS & SHOP SUPPLIES













BONDED ABRASIVES

HEAVY DUTY MOUNTED GRINDING WHEELS

- Most popular for weld grinding of ferrous & non-ferrous material.
- 1/4'' shaft fits most portable tools.
- Made from Aluminum Oxide abrasive in a vitrified bond.

PART NUMBER	ABRASIVE SHAPE & SIZE ABRASIVE SHAPE NO.	DIA (INCHES)	THICKNESS (INCHES)	MANDREL SIZE DIA (INCHES)	LENGTH (INCHES)
812725	A-1	3/4	2-1/2	1/4	1-1/2
812726	A-3	1	2-3/4	1/4	1-1/2
812729	A-5	3/4	1-1/8	1/4	1-1/2
812727	A-11	7/8	2	1/4	1-1/2
812738	A-15	1/4	1-1/16	1/4	1-1/2
812728	A-21	1	1	1/4	1-1/2
815120	A-36	1-5/8	3/8	1/4	1-1/2
812739	A-39	3/4	3/4	1/4	1-1/2
815121	B-52	3/8	3/4	1/8	1-1/2
815123	W-163	1/4	1/2	1/8	1-1/2
815125	W-185	1/2	1/2	1/8	1-1/2
815126	W-215	1	1/8	1/8	1-1/2
815127	W-220	1	1	1/4	1-1/2
815128	W-222	1	2	1/4	1-1/2
815129	W-235	1-1/2	1/4	1/4	1-1/2
815130	W-236	1-1/2	1/2	1/4	1-1/2

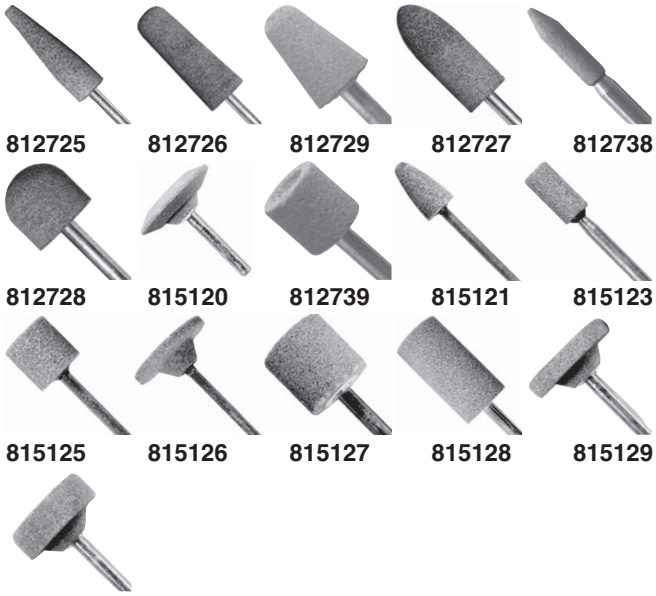


Part No. 812007

38 pieces • 12 items • 12017 steel tray

812726	**815120**	**815125**	**815128**
812727	**815121**	**815126**	**815129**
812728	**815123**	**815127**	**815130**

Numbers in assortment



HEAVY DUTY GRINDING WHEELS

FINE GRIT	MEDIUM GRIT	COARSE GRIT	DIA METER & WIDTH (INCHES)	MAX RPM
812181	**812182**	**812183**	6 x 3/4	4138
	812311	**812312**	6 x 1	4138
	812314	**812315**	7 x 1	3600
	812317	**812318**	8 x 1	3600

***10" wheels have 1-1/4" arbor & comes with 3/4" - 1" reduction bushings.**

Engineered for rapid cutting and long life.

For Use On All Stationary Grinders

Do not use grinding wheels that have been dropped, chipped or cracked. 6, 7 & 8 wheels come complete with telescopic bushing for 1/2'', 5/8'', 3/4'' & 1'' shafts.



GRINDING WHEEL DRESSER

SOLID and DURABLE CONSTRUCTION

- Designed for dressing, truing, sharpening & removing glaze from solid abrasive wheels.
- Used on wheels up to 10" diameter.



Part No. 811665

Rpl. Wheel Order Part No. 811666

MASONRY CUT OFF WHEELS

SILICONE CARBIDE

PART NUMBER	DIA (INCHES)	THICK (INCHES)	MAX SAFE RPM	HOLE SIZE (INCHES)
815108	12	1/8	5,100	1
815109	14	1/8	4,400	1



DIAMONDX® TYPE 1 CUTTING WHEELS

***DIAMONDX* uses a unique technology that allows a high concentration of diamonds to be solidly bonded to a steel surface for cutting metal.**

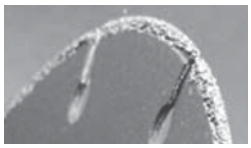
LONG LASTING – HIGH PERFORMANCE

- **Longer Lasting,** than other abrasives. Last up to 100X's longer depending on the application.
- **Cut Virtually Any Material,** wood, steel, copper pipe, pvc, brick, concrete, metal and square tube, stainless steel, cast iron and more.
- **Safely De-Burr Flashing** from cuts using the blade edge. (unlike abrasives that can be dangerously damaged by this procedure).
- **Cost Savings –** from abrasive wheel change-overs alone can offset the cost of one **DIAMONDX** cutter.
- **Will Not Break Or Shatter i**f dropped or if exposed to water.









PART NUMBER	DIA. (INCHES)	GRIT	ARBOR	MAX RPM
815038	2"	40/50	3/8"-1/4"	30560
815039	3"	40/50	3/8"-1/4"	25000
815041	4"	40/50	5/8"-3/8""	19000
815042	4-1/2"	40/50	7/8"	13600
815043	5"	40/50	7/8"	12225
815044	6"	40/50	7/8"	10225

PSS091813

*** Additional sizes are available on a special order basis. Call for information.**

BONDED ABRASIVES

ZEUS CUT-OFF WHEELS

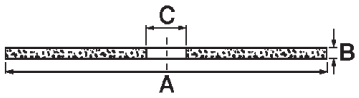


PSSZT010512

ZEUS cut-off wheels are designed to cut faster, cooler and freer requiring less power. Designed to be flexible under stressful and binding applications, these wheels are ideal for maintenance departments, welding shops, automotive shops and metal fabrication.

- Special aluminum oxide grain.
- Externally reinforced with fiberglass layers to provide ultimate safety.
- Fast, burr-free cutting.
- Specifically designed for use on right angle grinders.

Made in USA



TYPE 1 Wheels for ELECTRIC and AIR GRINDERS

Small diameter cut-off wheels are designed to perform on a variety of metal applications.

Unsurpassed in quality and performance these wheels are made from Premium Ceramic and Zirconia Grain Mix and are contaminate INOX Free.

SIZE "A" DIA.	SIZE "B" WIDTH	SIZE "C" BORE	MAX RPM	GRAIN/ GRIT	USE	PART NUMBER	QTY
3	.035	3/8	25,450	**SGA60U**	S/S & Alloys, Fast Cutting	**811670**	50
3	1/16	3/8	25,450	**SGA46U**	S/S & Alloys, Long Lasting	**811671**	50

S/S= Stainless Steel

When dependability and flexibility are a must, these fast, clean straight cutting and long lasting wheels are tops in the industry.

SIZE "A" DIA.	SIZE "B" WIDTH	SIZE "C" BORE	MAX RPM	GRAIN/ GRIT	USE	PART NUMBER	QTY
3	1/16	3/8	25,450	**A46T**	Ferrous Metals	**811720**	10•
3	1/8	3/8	25,000	**A36T**	Ferrous Metals	**812435**	1•
3	.035	3/8	25,450	**TA60T**	Ferrous Metals & S/S	**811721**	50
3	1/16	3/8	25,450	**TA46T**	Ferrous Metals & S/S	**811682**	50
4	.035	3/8	19,000	**TA60T**	Ferrous Metals & S/S	**811672**	50
4	1/16	3/8	19,000	**TA46T**	Ferrous Metals & S/S	**811673**	50

S/S= Stainless Steel • NOT SOS LABEL

TYPE 1 WHEELS for PORTABLE CHOP SAWS

The following high performance cut-off wheels have been developed for low horsepower chop saws to perform on a wide variety of metals and tough job applications. All wheels are externally reinforced for increased safety and unsurpassed performance.

SIZE "A" DIA.	SIZE "B" WIDTH	SIZE "C" BORE	MAX RPM	GRAIN/ GRIT	USE	PART NUMBER	QTY
14	3/32	1	4,366	**A46T**	Metal Studding & Thin Rebar	**811801**	10•
14	3/32	1	4,366	**A36R**	Ferrous Metals & Heavy Rebar	**811674**	10

S/S= Stainless Steel • NOT SOS LABEL

TYPE 1 WHEELS for PORTABLE HIGH SPEED SAWS

Manufactured to perform under the toughest job applications. These wheels are externally reinforced with extra heavy fiberglass for additional strength, protecting the wheel against increased side load pressures.

SIZE "A" DIA.	SIZE "B" WIDTH	SIZE "C" BORE	MAX RPM	GRAIN/ GRIT	USE	PART NUMBER	QTY
12	1/8	20MM	6,360	**A24R**	Ferrous Metals, Long Life	**811664**	10•
14	1/8	1	5,460	**A24R**	Ferrous Metals, Long Life	**811683**	10•
14	1/8	20MM	5,460	**A24R**	Ferrous Metals, Long Life	**811684**	10•

• NOT SOS LABEL

TYPE 1 WHEELS for ANGLE GRINDERS and CIRCULAR SAWS

These wheels provide effortless cutting and deliver the most cost efficient cutting solutions.

SIZE "A" DIA.	SIZE "B" WIDTH	SIZE "C" BORE	MAX RPM	GRAIN/ GRIT	USE	PART NUMBER	QTY
4	.040	7/8	15,000	**TA60T**	Ferrous Metals & S/S	**811662**	25
4-1/2	.045	7/8	13,300	**TA60U**	Ferrous Metals & S/S	**811667**	25
5	.045	7/8	12,200	**TA60U**	Ferrous Metals & S/S	**811668**	25
6	.045	7/8	10,200	**TA60U**	Ferrous Metals & S/S	**811669**	25

S/S= Stainless Steel

DEPRESSED CENTER TYPE 27 WHEELS for RIGHT ANGLE GRINDERS

Use these wheels for multiple product applications. Using your right angle grinder for cutting, these depressed center wheels will allow you to reach the most difficult cutting positions producing fast, burr-free cuts.

SIZE "A" DIA.	SIZE "B" WIDTH	SIZE "C" BORE	MAX RPM	GRAIN/ GRIT	USE	DEPRESSED CENTER PART NUMBER	QTY
4	.040	5/8	15,000	**TA60T**	Ferrous Metals, Long Life	**811698**	25
4-1/2	.045	7/8	13,300	**TA60U**	Ferrous Metals & S/S	**811699**	25
4-1/2	.045	7/8	13,300	**SGA60U**	S/S & High Tensile Alloys	**811702**	25
4-1/2	.045	7/8	13,300	**AL46N**	Aluminum, Brass, Copper	**811703**	25
5	.045	7/8	12,200	**TA60U**	Ferrous Metals & S/S	**811700**	25
6	.045	7/8	10,200	**TA60U**	Ferrous Metals & S/S	**811701**	25
7	.040	7/8	8,500	**TA60T**	Ferrous Metals, Long Life	**811704**	25

S/S= Stainless Steel

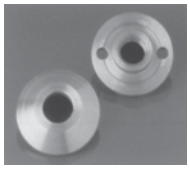
WHEEL MANDREL



- Use to mount cut off, grinding wheels, wire brushes and more.
- Screw slotted head, fits 3/8" arbor hole.

PART NUMBER	MAX WHEEL THICK (INCHES)	SHANK DIA (INCHES)	HEAD DIA (INCHES)	OVERALL LENGTH (INCHES)
822001	1/4	1/4	3/4	2

5/8-11 REUSEABLE ADAPTER



For Right Angle Grinders
Fits both Type 27 & 1 Wheels with 7/8" Hole.

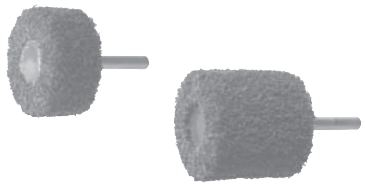
Part No. 822000

NON-WOVEN ABRASIVES

100% NON-WOVEN FLAP WHEELS

Used for metal finishing, oxidation and coating removal, decorative finishes on different metals, deburring.

- Constructed of non-woven fiber with abrasive grain.
- Waterproof - may be used with lubricants.
- Resists loading and over-cutting.
- Material breaks down evenly providing consistent finishes.
- Ideal for operations where critical tolerances may not be disturbed.
- Mounted on 1/4" mandrel.
- Used on straight die grinder.



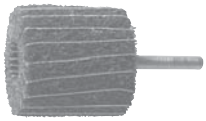
PART NUMBER	GRIT	SIZE	MAX RPM
815385	Extra Fine	2 x 1	12,000
815386	Fine	2 x 1	12,000
815387	Medium	2 x 1	12,000

PART NUMBER	GRIT	SIZE	MAX RPM
815391	Medium	2 x 2	12,000
815395	Medium	3 x 2	7,500
815396	Coarse	3 x 2	7,500

INTERLEAF FLAP WHEELS

Used for metal finishing, oxidation and coating removal, decorative finishes on different metals, deburring and grain finishing.

- Alternating flaps of non-woven fiber and aluminum oxide coated abrasive arranged radially.
- Less conformable than woven flap wheels.
- Removes more stock.
- Breaks down evenly providing consistent finishes.
- Provides blending action while leaving final finish.
- Mounted on 1/4" mandrel.
- Used on small straight die grinder.



PART NUMBER	GRIT	SIZE	MAX RPM
815400	60 Coarse	2 x 1	12,000
815401	120 Medium	2 x 1	12,000
815403	240 Extra Fine	2 x 1	12,000
815404	60 Coarse	2 x 2	12,000
815405	120 Medium	2 x 2	12,000

PART NUMBER	GRIT	SIZE	MAX RPM
815406	180 Fine	2 x 2	12,000
815408	60 Coarse	3 x 2	7,500
815409	120 Medium	3 x 2	7,500
815410	180 Fine	3 x 2	7,500

3M CLEAN 'N STRIP DISCS

For deburring, removing paint, rust or scale, conditioning metal, for cleaning pinchwelds, weatherstrip channels and drip moldings, for removing paint from "dings" and "chips".

- Use on side for fast surface cleaning instead of wire brushes or sandpaper.
- Tough, abrasive impregnated material resists gouging, conforms to contours.
- 1/4" diameter mandrel shaft fits all 1/4" or 3/8" electric or air tool (for use under 6,000 r.p.m.). 2" overall mandrel length.



PART NUMBER	DESCRIPTION	QTY
907460	4" dia. disc*	3

***Discs and Mandrels sold separately.**

SURFACE PREP DISCS WITH AN EDGE

Easy blending of irregular shapes, corners and inside radius.

- Reaches into corners and curves.
- Interchanges with Roloc style.
- Eliminates added finishing steps by hand.
- Provides a consistent finish on both flat and irregular surfaces.

PART NUMBER	DIA.	GRAIN	GRADE	COLOR	MAX RPM	QTY
811371	2	Aluminum oxide	Coarse	Brown	18,000	10
811372	2	Aluminum oxide	Medium	Maroon	18,000	10
811373	2	Aluminum oxide	Very Fine	Blue	18,000	10
811471	3	Aluminum oxide	Coarse	Brown	12,000	5
811472	3	Aluminum oxide	Medium	Maroon	12,000	5
811473	3	Aluminum oxide	Very Fine	Blue	12,000	5
Holders	2"	**811357**	3"	**811360**	Holders (have 1/4" shank)	





NOTE: Must Be Used With Special Disc Holder

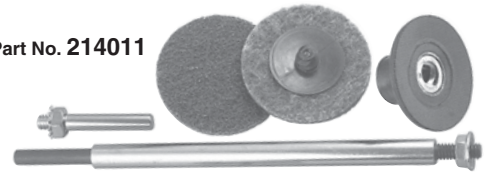


GASKET CLEANER

Cleans all hard to reach gasket surfaces.

Use with a die grinder to quickly clean gasket surfaces on Dodge pickups, oil pans, water pumps and other inaccessible applications. The tool is equipped with a floating guide shaft so the user can steer the abrasive pad around the gasket surface. Replaceable abrasive pad works in seconds.

Part No. **214011**



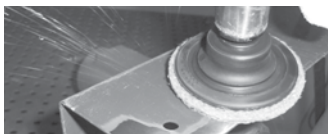
NON-WOVEN ABRASIVES

SURFACE PREPARATION DISCS

Surface Preparation Discs are ideally suited for pre-paint finishing, removing rust, oxidation, and flashings and removing gasket residue from engine blocks, heads, valve covers and transmission housings.

ERADICATOR SERIES

PREMIUM CERAMIC COATED SURFACE PREP TWIST LOCK DISCS





PSS061813

- Premium grade made with ceramic-coated grain to provide added durability, cut rate and extended service life vs. standard (economy) grade.
- Cushioned-type construction provides excellent conformability, consistent cut rate and uniform finish.
- Made with a flexible matrix of woven nylon filaments with abrasive particles of grain.
- Reinforced scrim backing incapable of tearing, even when snagged.
- Excellent for non-stock removal applications such as cleaning, blending and finishing.
- Effectively used on most every type of material.
- Popular “male” fastening system allows for fast & easy disc engagement.

– STEEL PARTS –

PART NUMBER	DIA. (INCHES)	GRIT/ COLOR	DISC HOLDER	MAXIMUM RPM	QTY
815260	2	medium/maroon	**815282***	30,000	25
815261	2	coarse/brown	**815282***	30,000	25
815262	3	medium/maroon	**815283***	20,000	25
815263	3	coarse/brown	**815283***	20,000	25

***1/4" shaft diameter** **Disc Holder - Sold 1 Per Box**

– ALUMINUM PARTS –

PART NUMBER	DIA. (INCHES)	GRIT/ COLOR	DISC HOLDER	MAXIMUM RPM	QTY
815270	2	(SUFN)/gray	**815282***	30,000	25
815271	2	(VFN)/blue	**815282***	30,000	25
815272	3	fine/gray	**815283***	20,000	25
815273	3	medium/blue	**815283***	20,000	25

(SUFN) Super Ultra Fine **(VFN) Very Fine** **Disc Holder - Sold 1 Per Box**

TYPE-R DISC HOLDER PADS

QUICK CHANGE • PREMIUM QUALITY

The unique design & construction of this “air-cooled” holder pad provides unparalleled durability, performance & service life vs. conventional rubber equivalents.

- Perimeter air channels on pad surface suppresses heat generation during use, extending abrasive disc service life.
- Uniform 3-piece composition contributes to a balanced & vibration free use.
- Interchangeable mandrels & arbor adapters allow each pad to be quickly converted from use in chucks/collets (1/4” mandrels) to small angle grinder threaded spindles (5/8-11 adapters).
- Can be used with all discs having Type R (Roloc) male fasteners.



2” **Part No. 815282**

3” **Part No. 815283**

SURFACE PREP & GRINDING DISCS ASSORTMENT

– FOR STEEL & ALUMINUM –



Part No. 501789

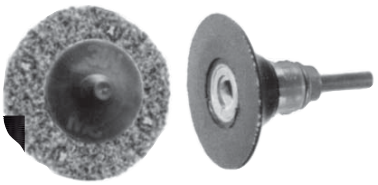
44 pieces • 11 items • 12051 steel tray

811676	**815260**	**815263**	**815282**
815250	**815261**	**815270**	**815283**
815251	**815262**	**815271**	

Numbers in assortment

TWIST-LOCK

THREADED FASTENER ATTACHMENT SYSTEM



Best for sharp contours, angles and edges. Discs have hard nylon threaded fasteners anchored in nylon web. **Twist-Locks interchange with 3M Roloc™ discs.**

APPLICATIONS

- Remove gasket residue from: engine blocks, heads, valve covers and transmission housings.
- Pre-paint finishing of automotive metals.
- Remove or blend out parting lines.
- Remove rust, corrosion, oxidation & flashing.
- Blend-out coated abrasive scratches.
- Surface polishing and refinement.
- Impart a satin finish on extruded aluminum.

FEATURES / BENEFITS

- Thick layer of Aluminum Oxide Grain bonded to one side of a tough, reinforced, non-woven nylon web backing.
- Resists loading and high heat build-up.
- Produces uniform finish.
- Longer period of use.
- Time saver.
- Quick 1/2 turn on 1/2 turn off.

– STEEL PARTS TWIST-LOCK TEST KITS –

Part No. 811655	Part No. 811656
(3) - 2” med. discs (3) - 2”coarse discs (1) disc holder	(3) - 3” med. discs (3) - 3”coarse discs (1) disc holder

– STEEL PARTS –

PART NUMBER	3M NUMBER	DIA. (INCHES)	GRIT/ COLOR	DISC HOLDER	MAXIMUM RPM	QTY
811644†	**907481**	2	medium/maroon	**811617***	20,000	25
811645†	**907480**	2	coarse/brown	**811617***	20,000	25
811646	**907486**	3	medium/maroon	**811618***	18,000	25
811647	**907485**	3	coarse/brown	**811618***	18,000	25

***1/4" shaft diameter** **†Top sellers** **Disc Holder - Sold 1 Per Box**

– ALUMINUM PARTS –

3M NUMBER	DIA. (INCHES)	GRIT/ COLOR	DISC HOLDER	QTY
907516	2	fine (SFN) gray	**811617**	25
907515	2	medium (VFN) blue	**811617**	25
907514	3	fine (SFN) gray	**811618**	25
907513	3	medium (VFN) blue	**811618**	25

(SFN) Super Fine **(VFN) Very Fine** **Disc Holder - Sold 1 Per Box**

TWIST-LOCK & MINI FLAP DISCS ASSORTMENT

– FOR STEEL & ALUMINUM –



Part No. 501821

30 pieces • 16 items • 12051 steel tray

811617	**811646**	**815306**	**907513**
811618	**811647**	**815308**	**907514**
811644	**815304**	**815309**	**907515**
811645	**815305**	**816310**	**907516**

Numbers in assortment

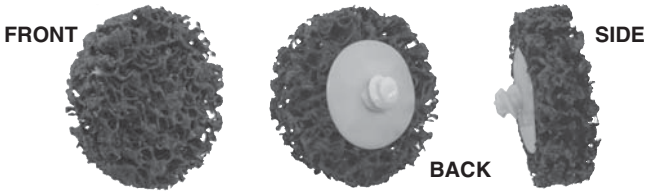
NON-WOVEN ABRASIVES

STRIPPING DISCS

The open web-like structure of this heavy duty non-woven material offers a unique combination of an aggressive cleaning action and a refined finish. The red material has a tight web construction and is more rigid, has a faster rate-of-cut and is more resistant to wear when introduced to sharp angles and edges, giving it a longer service life. It's very effective for non-loading removal of paint, scale, rust, corrosion, grease, oil and most coatings. Use it on stainless steel, carbon steel, aluminum, titanium, fiberglass, plastics, composites, wood and stone.

QUICK CHANGE DISCS

- Quickly mounts to Type R quick change holder for use on pneumatic tools.
- Adapts to contours & irregular surfaces. Accesses confined & hard-to-reach areas.

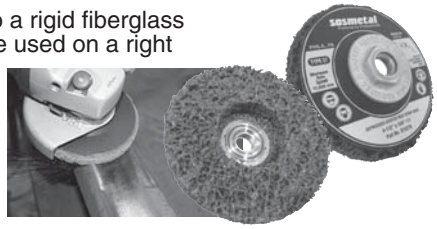


SIZE	COLOR	PART NUMBER	QTY	HOLDER NUMBER
2	Red	**815274**	5	**815282**
3	Red	**815275**	5	**815283**

PSS012216

TYPE 27 DISCS

- Disc is mounted to a rigid fiberglass backing plate to be used on a right angle grinder without the need for a backing pad.
- The aggressive nature of the material makes these ideal for extremely heavy "scrubbing"of large spacious surface areas.



SIZE DIA.xARBOR	COLOR	PART NUMBER	QTY	MAX. RPM'S
4-1/2 x 7/8	Red	**815278**	2	11,000
4-1/2 x 5/8-11	Red	**815279***	2	11,000

***Note: Disc with 5/8"-11 threaded arbor system mounts quickly to the tools threaded spindle.**

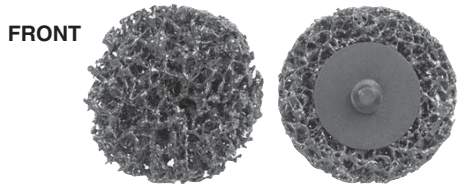
PSS012116

STRIP-IT DISCS

- Strip-It's open abrasive surface runs cool and prevents loading.
- Just like 3M Clean 'N Strip.
- Will not overcut workpiece and leaves surface free of contaminants.
- Nylon web combined with silicone and resin.
- Flexible for hard to reach and irregular contours.
- Removal of rusts, oxides and scale, paint, polyurethane & tar.
- Removes coatings such as paint & varnish w/o loading.
- Ideal for cleaning stone, concrete or marble.
- Great for shipyard weld preparation and coating removal applications.

STRIP-IT TWIST-LOCK DISCS

- Twist-Lock button centers and securely fastens disc.
- Used on die grinders.

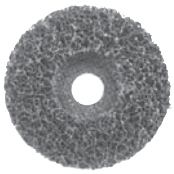


SIZE	COLOR	PART NUMBER	QTY	HOLDER NUMBER
2	Black	**811675**	2	**811617**
3	Black	**811676**	2	**811618**

STRIP-IT RIGHT ANGLE DISCS

- Disc is bonded to fiberglass backing for more demanding applications.
- Used on right angle grinders.





SIZE DIA.xARBOR	COLOR	PART NUMBER	QTY	MAX. RPM'S
4 x 5/8	Black	**811677**	2	12,400
4-1/2 x 7/8	Black	**811678**	2	11,000

THE FINISHER

SUPER-DUTY BUFF & BLEND QUICK CHANGE NON-WOVEN DISCS

TYPE-R FOR QUICK CHANGEOVERS

USE FOR:

- Edge deburring.
- Removal of flashing, tooling & mill marks.
- Quickly removes heavy oxidation, rust, corrosion and surface contamination.



- Provides exceptional finish results.
- Cleans and polishes.
- Runs cool, less heat damage.
- Excellent on steel, aluminum, brass, stainless steel and non-ferrous metals.
- Adapts to irregular surfaces.



Part No. 501796

48 pieces • 6 items • 12166 steel tray



815284	815287
815285	815288
815286	815289

Numbers in assortment

SMP022114

MEDIUM

(Most Aggressive)

SIZE DIA.xTHKNS.	GRIT	PART NUMBER	QTY
2" x 1/2"	Medium	**815284**	25
3" x 1/2"	Medium	**815287**	25

FINE

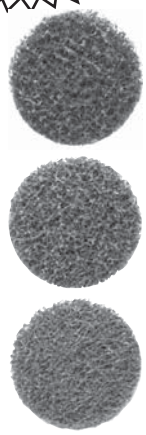
(Perfect Balance between Aggressive & End Finish)

SIZE DIA.xTHKNS.	GRIT	PART NUMBER	QTY
2" x 3/8"	Fine	**815285**	25
3" x 3/8"	Fine	**815288**	25

VERY FINE

(Most Refined Finish)

SIZE DIA.xTHKNS.	GRIT	PART NUMBER	QTY
2" x 3/8"	Very Fine	**815286**	25
3" x 3/8"	Very Fine	**815289**	25

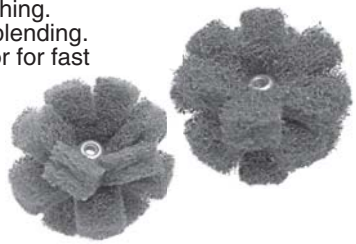


NON-WOVEN

CROSS BUFFS

Excellent on virtually all metals including steel, aluminum, stainless steel, tool steel, formed surfaces, castings and forgings.

- Polishes and cleans the inside diameter of tubing, dies, molds, valve spools, brake cylinders and more.
- Flexible design conforms to the shape of the part.
- Reaches those hard-to-reach areas of metal components.
- Removes surface oxidation, rust, corrosion and contaminants.
- Removes scratches and flashing. Excellent for deburring and blending.
- Quick change screw on arbor for fast attachment to 8-32 mandrel.



PSS022614

SIZE DIA.xTHKNS.	GRIT	PART NUMBER	QTY
1" x 1/4"	Medium	**815290**	3
1" x 1/4"	Fine	**815291**	3
1-1/2" x 3/8"	Medium	**815292**	3
1-1/2" x 3/8"	Fine	**815293**	3
2" x 1/2"	Medium	**815294**	3
2" x 1/2"	Fine	**815295**	3

MANDREL 8-32 THREAD



Part No. **815299**



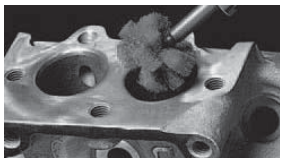
Part No. **812009**

19 pieces • 7 items • 12042 plastic tray

For Safety Always Wear Goggles and Face Shield when Grinding & Sanding

815290 **815294**
815291 **815295**
815292 **815299**
815293

Numbers in assortment



COMBO - FINISHER / CROSS BUFFS ASSORTMENT

A combination of both the Finisher Disc and the Cross Buffs together in one assortment.

PSS030514

- Provides full coverage with the best performing quick change finishing disc along with flexible cross buffs for those hard-to-reach areas.



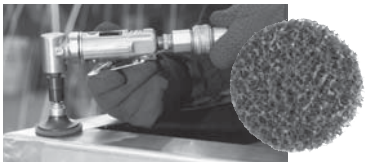
Part No. **501797**

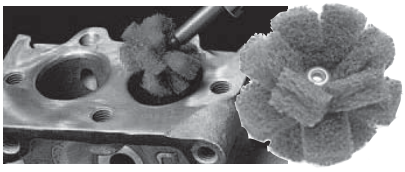
31 pieces • 13 items • 12061 steel tray

For Safety Always Wear Goggles and Face Shield when Grinding & Sanding

815284 **815289** **815294**
815285 **815290** **815295**
815286 **815291** **815299**
815287 **815292**
815288 **815293**

Numbers in assortment





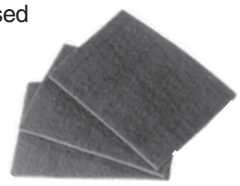
SURFACE CONDITIONING HAND PADS

- Bonded aluminum oxide grain provides constant, long-lasting, cutting and polishing action.
- Tough, heavy duty non-woven material outlasts paper-backed abrasives. Can be used wet or dry; washable and reusable.
- Replaces steel wool with no rusting, splintering or contamination.
- Adaptable to both hand or machine finishing.

– HAND PAD TEST KIT –

Part No. **113299**

(2) - extra coarse (2) - medium fine
(2) - medium coarse (2) - fine



PART NUMBER	DESCRIPTION	COLOR	INTERCHANGE 3M	NORTON	ANDERSON	QTY
113222	Medium Coarse (general purpose)	Green	N/A	668	61768	25
113227	Medium Fine (general purpose)	Maroon	**907447†**	707	60000	25
113234	Fine	Gray*	**907448†**	635	60247	25

***Silicone Carbide** **† 3M quantities are 20 per box.**

113262 **Extra coarse (gray) -** very fast material removal and heavy duty cleaning. Out-cuts all other pads. Can be used to create a decorative scratch finish.

113222 **Medium coarse (green) -** a general duty pad. Ideal for scuffing acrylics and blending paint. Well suited for light duty cleaning, finishing, rust removal and light oxide removal.

113227 **Medium fine (maroon) -** an ideal general purpose pad. For hand blending, cleaning and finishing. Removes rust and corrosion, imparts a satin finish on extruded aluminum. Can be used to clean up printed circuit boards. Use to scuff surface before applying paint or primer/surfacer. Excellent for used car reconditioning, cleaning upholstery, headliners, door pads, chrome & cleaning whitewall tires.

113234 **Fine (gray) -** especially suited for light cleaning and fine finishing of all metals, plastics and fiberglass surfaces. Removes fine burrs on hreaded parts, cleans glass, molds and polishes dies. Ideal for rubbing down primer and sealer coats in woodworking. Also for final sanding of primer/surfacer before applying auto body paint finishes.

MISCELLANEOUS ABRASIVES

3M ROLOC™ BRISTLE DISCS

- Extra tough plastic bristle brush.
- Sweeps away gasketing material and contamination while continually exposing fresh abrasive.
- High maximum operating speeds (MOS) allow for use on die grinders and pistol grip grinders. (1" - MOS 30,000) (2" - MOS 25,000 RPM) (3" - MOS 15,000 RPM).

PART NUMBER	GRIT	DIA.	COLOR	USE ON	QTY
917530	Coarse	1"	Green	Steel	10
917531	Medium	1"	Yellow	Alum/Steel	10
917532	Fine	1"	White	Alum/Steel	10

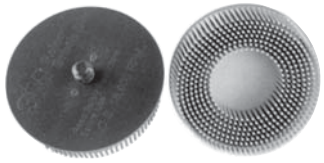
1" Disc Holder - Order No. 905538

PART NUMBER	GRIT	DIA.	COLOR	USE ON	QTY
907524	Coarse	2"	Green	Steel	10
907525	Medium	2"	Yellow	Alum/Steel	10
907528	Fine	2"	White	Alum/Steel	10

2" Disc Holder - Order No. 905539

PART NUMBER	GRIT	DIA.	COLOR	USE ON	QTY
907526	Coarse	3"	Green	Steel	10
907527	Medium	3"	Yellow	Alum/Steel	10
907529	Fine	3"	White	Alum/Steel	10

3" Disc Holder - Order No. 905540





Part No. 501630
10 pieces • 6 items
12061 steel tray

907524 **907526** **907539**
907525 **907527** **907540**

Numbers in assortment



No more scrapers!
- Bristles ride over surface removing old gasket without gouging.



No more wire brushes!
- Eliminates dangerous loose wires flying back at the technician.



No more chemical strippers!
- Safer for other engine parts and the environment than chemical strippers.



SCOTCH-BRITE™ ROLOC™ BRISTLE DISC VS. THE COMPETITION

FEATURES	ADVANTAGE	BENEFIT
Unitized	Allows operation at die grinder max. operating speed.	Tech. can use light weight tool of choice - die grinder.
Seamless	Vise grip hold on bristles.	Safe operation no flying wires.
Construction	Open construction - non-loading.	Saves time of running dull & loaded disc.
	Extended life outlasting competitive discs.	Saves money.
Soft Bristle	Rides over gasketing surface removing only gasket.	Saves cost of rework from damage to gasketing surface.
Design	Tough on gasket not on gasketing surface - won't gouge.	Saves rework resulting from gouging on surface.
	Removes gasket while riding over surface, no metal shavings.	Saves time and money of rework.
	Remove gasket material without hazardous waste & E.P.A. concern.	Saves cost, safer shop operations.

3M™ 4-1/2" BRISTLE DISCS

Used for coating removal, weld preparation, cleaning, scuffing, burr removal.

- Patented abrasive-filled bristles apply a continuous, fresh supply of sharp 3M™ Regalite™ mineral to the workpiece. Resists loading with coatings, dirt, and debris for longer life and consistent performance.
- Unique bristle shape resists excessive edge wear to help extend disc performance.
- Flexible bristles conform to the part and clean without removing base material. Helps reduce damage and rework.
- Uniform concentration of Regalite mineral provides a higher cut rate than wire brushes for a faster, more uniform finish. Lowers operational costs.
- Cool running, resists heat build-up to help reduce potential for tempering or damaging the work surface.
- Integral threaded core spins quickly onto 5/8"-11 threaded shafts on electric or pneumatic right angle grinders.

PART NUMBER	GRIT	COLOR
939037	120 Fine	White
939029	80 Medium	Yellow
939011	50 Coarse	Green
Max. Oper. RPM's 12,000		



PSS091616.939011.029.037

STEEL WOOL

Clean tools, remove splatters, restores aluminum, clean, polish & remove stains, brighten metal, eliminate rust, strip paint, degloss surfaces, sand wood or metal and so on...

- **HUNDREDS OF USES!**
- The choice of professionals for cleaning, polishing & refinishing.
- Made in USA, manufactured to the highest quality standards for over 100 years.
- 16 pads per package.

PART NUMBER	GRADE
415210	#0000 - Finishing
415211	#000 - Polishing
415212	#00 - Metal Finishing
415213	#0 - General Purpose
415214	#1 - Automotive
415215	#2 - Paint & Varnish Removal



DRILLING TIPS

TIPS AND TECHNIQUES

Overcoming problem areas, as well as sound principles of drill usage.

DRILLING PROBLEMS

PROBLEM	DIAGNOSIS	SOLUTION
BROKEN DRILL	1. Flutes clogged up with chips, drill binds in hole, common in deep holes.	- Use Drills with wider flutes and/or faster helix angle. - Consider polished flutes. - Withdraw drill at regular intervals to clear chips. - If chips are not broken up, consider heavier feeds, or chip breaker design.
	2. Drill binding due to worn outer corners.	- Repoint or replace drill. - Check for excessive speed, or incorrect coolant, excessive run out as drill enters work.
	3. Work insecurely held.	- Use adequate holding or clamping device.
	4. Excessive feed.	- Reduce feed.
	5. Improper point.	- Check for correct lip clearance. - Use proper type of drill / point for application.
	6. Drill is dull.	- Replace before dulling occurs. Check feeds, speeds, and No. 5 for premature dulling.
BROKEN TANG	1. Shank or socket damaged.	- Repair or replace.
	2. Drill not properly seated in socket.	- Check for positive secure fit.
CHIPS NOT BREAKING UP	1. Insufficient feed.	- Increase feed.
	2. Improper style of drill and/or point.	- Consider use of chip breaker design drill and/or chip breaker point grind.
DAMAGED POINT	1. Using hard object to tap drill into point.	- Use soft lead, brass, plastic, etc. hammer.
	2. Dropping, mishandling drill.	- Handle with care.
OVERSIZE HOLE	1. Drill point off center.	- Repoint or replace with properly pointed drill.
	2. Machine spindle not rigid or not running true.	- Repair, if possible; consider use of bushing.
	3. Work piece loose and/or vibrating.	- Tighten and hold securely.
ROUGH HOLE	1. Incorrect point grind and/or dull drill.	- Repoint or replace with proper pointed drill.
	2. Excessive feed.	- Reduce feed.
	3. Incorrect or insufficient coolant.	- Correct and adjust.
POOR TOOL LIFE	1. Coolant not reaching point or incorrect or insufficient coolant.	- Correct and adjust.
	2. Speed too high and/or feed too low.	- Review and adjust.
	3. Wrong type of point and/or drill for apps.	- Review requirements and conditions.
WEB SPLITS	1. Insufficient lip clearance.	- Repoint or replace with properly pointed drill.
	2. Point thinned too much.	- Repoint or replace with properly pointed drill.
	3. Excessive feed.	- Reduce feed.
CHIPPED LIPS	1. Excessive lip clearance and/ or heel relief.	- Repoint or replace with pointed drill.
BROKEN OUTER CORNERS	1. Insufficient or incorrect coolant.	- Correct and adjust.
	2. Excessive speed.	- Reduce speed.
	3. Scale, hard spots encountered in material.	- No final remedy if this condition is prevalent; lower feeds and speeds may help.

FEEDS & SPEEDS

Different drilling conditions make it impossible to develop any rigid rules for feeds and speeds. The following tables contain guidelines which can be utilized when drilling standard materials. Also, the following "rules of thumb" can be used to determine proper feeds and speeds for drilling ferrous materials (note: varying conditions can easily require adjustments):

- Feed equals .001" per revolution for every 1/16" of drill diameter, plus or minus .001" on the total.
- Speed equals 80 surface feet per minute in 100 Brinell hardness material, and the speed should be reduced 10 surface feet per minute for additional 50 points Brinell hardness.
- Feed and speed rates should be reduced up to 45 to 50% when drilling holes deeper than 4 drill diameters.

RECOMMENDED FEEDS FOR VARIOUS DIAMETER DRILLS

DIAMETER OF DRILL (INCHES)	FEED (INCHES PER REVOLUTION)
Under 1/8	.001 to .003
1/8 to 1/4	.002 to .006
1/4 to 1/2	.004 to .010
1/2 to 1	.007 to .015
1 and over	.015 to .025

NOTE: It is best to start with a moderate speed and feed, increasing either one, or both, after observing the action and condition of the drill.

RECOMMENDED SPEEDS FOR STANDARD MATERIAL WITH H.S.S. DRILLS

MATERIAL	RECOMMENDED SPEED (SFM)
Aluminum and its Alloys	200-300
Brass and Bronze (ordinary)	150-300
Bronze (High Tensile)	70-150
Die Castings (Zinc Base)	300-400
Iron — Cast (soft)	75-125
Cast (medium hard)	50-100
Hard Chilled	10-20
Malleable	80-90
Magnesium and its Alloys	250-400
Monel Metal or High-Nickel Steel	30-50
Plastics or Similar Materials	100-300
Steel —	
Mild .2 carbon to .3 carbon	80-110
Steel .4 carbon to .5 carbon	70-80
Tool 1.2 carbon	50-60
Forgings	40-50
Alloy — 300 to 400 Brinell	20-30
High Tensile (Heat Treated)	
35 to 40 Rockwell "C"	30-40
40 to 45 Rockwell "C"	25-35
45 to 50 Rockwell "C"	15-25
50 to 55 Rockwell "C"	7-15
Stainless Steel	
Free Machining Grades	30-80
Work Hardening Grades	15-50
Titanium Alloy Sheet	50-60
Titanium Alloys	
Ti-75A (Commercially Pure)	50-60
RS-120	40-60
Ti-150A	40-50
Ti-140A	30-40
RC-130B	30-40
MST 6A1-4 Va.	20-35
MST 3A1-5 Cr.	10-20

TITANIUM NITRIDE DRILLS

INTRODUCING THE REVOLUTION IN DRILLING HOLES

TITANIUM NITRIDE DRILLS

500% longer life.
50% faster.
You can drill more holes - faster!
Heavy duty construction.
Designed for industry, they stand up to the toughest conditions. Made from heavy duty, high speed steel, they are ideal for hard metals such as tool steel, work hardened stainless and other difficult to drill materials.
Ultimate quality and performance.
A super hard and smooth titanium coating.
Greater savings.
Extended life, faster cutting rates and improved performance add up to a substantial dollar savings. Plus, a Titanium Nitride drill can be resharpened.

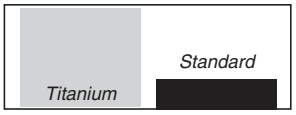
TITANIUM NITRIDE COATED DRILLS ARE 500% LONGER LASTING THAN ORDINARY DRILLS!!



- ◆ Titanium drill bits last up to 6 times longer than standard high speed steel bits.



- ◆ Provides 75% faster penetration.



- ◆ Reduces downward pressure required to drill hole.



- ◆ Freer cutting - requires 25% less power to finish hole.



- ◆ Provides holes closer to size with improved hole finish.

FRACTIONAL SIZES

PART NUMBER	DIAMETER INCHES	DECIMAL EQUIVALENT INCHES	OVERALL LENGTH INCHES
814303	1/16	.0625	1-7/8
814304	5/64	.0781	2
814305	3/32	.0938	2-1/4
814306	7/64	.1094	2-5/8
814307	1/8	.1250	2-3/4
814308	9/64	.1406	2-7/8
814309	5/32	.1562	3-1/8
814310	11/64	.1719	3-1/4
814311	3/16	.1875	3-1/2
814312	13/64	.2031	3-5/8
814313	7/32	.2188	3-3/4
814314	15/64	.2344	3-7/8
814315	1/4	.2500	4
814316	17/64	.2656	4-1/8
814317	9/32	.2812	4-1/4
814318	19/64	.2969	4-3/8
814319	5/16	.3125	4-1/2
814320	21/64	.3281	4-5/8
814321	11/32	.3438	4-3/4
814322	23/64	.3594	4-7/8
814323	3/8	.3750	5
814324	25/64	.3906	5-1/8
814325	13/32	.4062	5-1/4
814326	27/64	.4219	5-3/8
814327	7/16	.4375	5-1/2
814328	29/64	.4531	5-5/8
814329	15/32	.4688	5-3/4
814330	31/64	.4844	5-7/8
814331	1/2	.5000	6

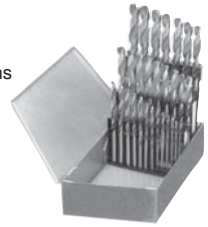
TITANIUM NITRIDE DRILL SETS

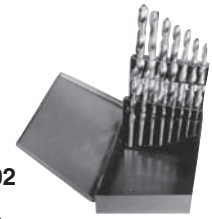
- Titanium nitride coating provides a super hard surface with high lubricity.
- High speed steel.
- Ideal for hard metals, work hardened stainless, and other difficult to drill materials.
- 135° split point.
- Ultimate high performance drills.



Part No. 814301
13 piece set
Contains 13 drills
Sizes: 1/16" to 1/4" by 64ths
Packed in 12095 index

Part No. 814001
29 piece set
Contains 29 drills
Sizes: 1/16" to 1/2" by 64ths
Packed in 12097 index





Part No. 814302
15 piece set
Contains 15 drills
Sizes: 1/16" to 1/2" by 32nds
Packed in 12096 index



Part No. 814002
100 piece set
Contains 100 drills
29 sizes
Sizes: 1/16" to 1/2" by 64ths
Packed in drill dispenser 12072

1/2" REDUCED SHANK

- 118° point.
- Requires minimum feed pressure.
- Fits all drills and drill presses with 1/2" chucks.
- Center easily.
- Ideal for machine shops, garages, farm and highway maintenance shops.



PART NUMBER	DIAMETER INCHES	OVERALL LENGTH INCHES	FLUTE LENGTH INCHES
814458	9/16	6	3-7/8
814459	5/8	6	3-7/8
814460	11/16	6	3-7/8
814461	3/4	6	3-7/8
814463	1	6	3-7/8

TITANIUM NITRIDE and DYNALLOY TWIST DRILLS

UNIBIT STEP DRILLS

- Multiple hole sizes saves money, one bit can replace up to 13 different twist drills.
- Self starting tip means no skidding of the bit, no need for center punching.
- Enlarges holes quickly, saving time needed to change twist drill bits.
- Automatic deburring action means smooth, round holes and perfect hole sizing, time after time.
- Easy to sharpen, using ordinary grinding stone.

– Two Styles Available –

Multi-Hole Style: Incorporates specially designed cutting steps, of progressively larger diameters, making it possible to drill up to as many as thirteen different hole sizes with a single bit.
Single Hole Style: Allows you to drill 7/8" diameter holes in tight confined areas, with little effort. Works in spots regular length drill bits won't fit.

Drill perfectly round holes of varying diameters in metal & plastics.

TITANIUM NITRIDE COATING

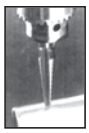
Extends drill life by 500%, and increases cutting rates by 50%. Titanium provides a superhead surface with high lubricity.



Greatly simplifies auto accessory installations.



Ideal for rust proofing applications.



Sure starts even on curved surfaces.



Cuts quickly through dense metal.

PART NUMBER	ILLUSTRATION	NO. OF HOLE SIZES	DIAMETER	STEP DEPTH	SHANK LENGTH	POINT	APPLICATION
814470		13	1/8 thru 1/2 in 1/32 increments	1/8	1/4	Self-starting.	All common drilling needs.
814471		8	9/16 thru 1 in 1/16 increments	1/8	3/8	For hole enlarging. Requires 1/2" or larger pilot hole.	All common drilling needs. With No. 814470, will drill 99% of most common diameter holes.
814472		9	1/4 thru 3/4 in 1/16 increments	1/8	3/8	Self-starting.	Ideal for cutting medium size holes.
814473		1	7/8		3/8	Self-starting.	Perfect size for 1/2" conduit. Ideal for draw-bolt hole and pilot light hole.

DYNALLOY GOLD TWIST DRILLS

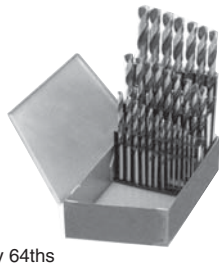
- **135° self-centering split point.**
  - No center punching required.
  - Provides faster starts.
  - Eliminates work hardening.
  - Eliminates wandering when cutting rounded material.
- **Precision flutes.**
  - Permits rapid chip removal.
  - Reduces chip build-up and chip welding.
  - Provides cooler operation.
- **Heavy duty construction.**
  - Prevents excessive breakage.
  - Provides longer life.
  - Heavy duty web for precision drilling of thick material.
- **Surface treatment.**
  - Adds anti-friction and anti-weld properties to Dynalloy steel.

STRAIGHT SHANK FRACTIONAL SIZES

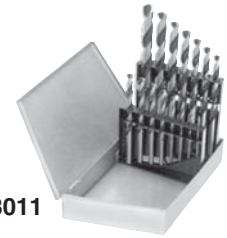
- 135° self-centering split point.
- High speed steel drills.



Part No. 813010
13 piece set
Sizes: 1/16" to 1/4" by 64ths
Packed in 12095 index



Part No. 813012
29 piece set
Sizes: 1/16" to 1/2" by 64ths
Packed in 12097 index



Part No. 813011
15 piece set
Sizes: 1/16" to 1/2" by 32nds
Packed in 12096 index



Part No. 813024
50 pieces • 16 sizes (see chart) • 12050 steel tray

PART NUMBER	DRILL DIAMETER INCHES	DECIMAL EQUIVALENT INCHES	OVERALL LENGTH INCHES	QTY
813501*	1/16	.0625	1-7/8	3
813502	5/64	.0781	2	3
813503*	3/32	.0937	2-1/4	3
813504*	7/64	.1094	2-5/8	3
813505*	1/8	.1250	2-3/4	3
813506*	9/64	.1406	2-7/8	3
813507*	5/32	.1562	3-1/8	3
813508	11/64	.1719	3-1/4	3
813509*	3/16	.1875	3-1/2	3
813510*	13/64	.2031	3-5/8	3
813511*	7/32	.2187	3-3/4	3
813512*	15/64	.2344	3-7/8	3
813513*	1/4	.2500	4	3
813514*	17/64	.2656	4-1/8	3
813515*	9/32	.2812	4-1/4	3
813516*	19/64	.2969	4-3/8	3
813517*	5/16	.3125	4-1/2	3
813518	21/64	.3281	4-5/8	3
813519	11/32	.3437	4-3/4	3
813520	23/64	.3594	4-7/8	3
813521*	3/8	.3750	5	3
813522	25/64	.3906	5-1/8	3
813523	13/32	.4062	5-1/4	3
813524	27/64	.4219	5-3/8	3
813525	7/16	.4375	5-1/2	3
813526	29/64	.4531	5-5/8	3
813527	15/32	.4687	5-3/4	3
813528	31/64	.4844	5-7/8	3
813529	1/2	.5000	6	3

***These numbers are contained in assortment 813024.**

DYNALLOY TWIST DRILLS and DRILLS

LETTER SIZES

PART NUMBER	LETTER SIZE	DECIMAL EQUIVALENT INCHES
813574	A	.234
813575	B	.238
813576	C	.242
813577	D	.246
813578	E	.250
813579	F	.257
813580	G	.261
813581	H	.266
813582	I	.272

PART NUMBER	LETTER SIZE	DECIMAL EQUIVALENT INCHES
813583	J	.277
813584	K	.281
813585	L	.290
813586	M	.295
813587	N	.302
813588	O	.316
813589	P	.323
813590	Q	.332
813591	R	.339

PART NUMBER	LETTER SIZE	DECIMAL EQUIVALENT INCHES
813592	S	.348
813593	T	.358
813594	U	.368
813595	V	.377
813596	W	.386
813597	X	.397
813598	Y	.404
813599	Z	.413



Part No. 813016
MASTER COMBINATION DRILL INDEX
98 piece set
Sizes: 1/16" to 1/2" by 64ths,
Number sizes: 1 to 43, Letter sizes: A to Z
Packed in 12082 master index

WIRE GAUGE (NUMBER) SIZES

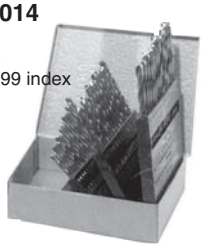
PART NUMBER	WIRE GAUGE SIZE	DECIMAL EQUIVALENT INCHES
813531	1	.2280
813532	2	.2210
813533	3	.2130
813534	4	.2090
813535	5	.2055
813536	6	.2040
813537	7	.2010
813538	8	.1990
813539	9	.1960
813540	10	.1935
813541	11	.1910
813542	12	.1890
813543	13	.1850
813544	14	.1820
813545	15	.1800
813546	16	.1770
813547	17	.1730
813548	18	.1695
813549	19	.1660
813550	20	.1610

PART NUMBER	WIRE GAUGE SIZE	DECIMAL EQUIVALENT INCHES
813551	21	.1590
813552	22	.1570
813553	23	.1540
813554	24	.1520
813555	25	.1495
813556	26	.1470
813557	27	.1440
813558	28	.1405
813559	29	.1360
813560	30	.1285
813561	31	.1200
813562	32	.1160
813563	33	.1130
813564	34	.1110
813565	35	.1100
813566	36	.1065
813567	37	.1040
813568	38	.1015
813569	39	.0995
813570	40	.0980

PART NUMBER	WIRE GAUGE SIZE	DECIMAL EQUIVALENT INCHES
813571	41	.0960
813572	42	.0935
813573	43	.0890
813760	44	.0860
813761	45	.0820
813762	46	.0810
813763	47	.0785
813764	48	.0760
813765	49	.0730
813766	50	.0700
813767	51	.0670
813768	52	.0635
813769	53	.0595
813770	54	.0550
813771	55	.0520
813772	56	.0465
813773	57	.0430
813774	58	.0420
813775	59	.0410
813776	60	.0400

PART NUMBER	WIRE GAUGE SIZE	DECIMAL EQUIVALENT INCHES
813777	61	.0390
813778	62	.0380
813779	63	.0370
813780	64	.0360
813781	65	.0350
813782	66	.0330
813783	67	.0320
813784	68	.0310

Part No. 813014
43 piece set
Sizes: 1 to 43
Packed in 12099 index



METRIC DYNALLOY TWIST DRILLS

PART NUMBER	DRILL DIA. MM	DRILL DIA. DEC. EQUIV.	OVERALL LGTH. MM	OVERALL LGTH. INCHES	QTY
813927	1.00	.0394	41	1-5/8	3
813928	1.50	.0591	48	1-7/8	3
813929	2.00	.0787	54	2-1/8	3
813930	2.50	.0984	60	2-3/8	3
813931	3.00	.1181	70	2-3/4	3
813932	3.50	.1378	73	2-7/8	3
813933	4.00	.1575	83	3-1/4	3
813934	4.50	.1772	86	3-3/8	3
813935	5.00	.1968	92	3-5/8	3
813936	5.50	.2165	95	3-3/4	3

PART NUMBER	DRILL DIA. MM	DRILL DIA. DEC. EQUIV.	OVERALL LGTH. MM	OVERALL LGTH. INCHES	QTY
813937	6.00	.2362	102	4	3
813938	6.50	.2559	105	4-1/8	1
813939	7.00	.2756	105	4-1/8	1
813940	7.50	.2953	111	4-3/8	1
813941	8.00	.3150	114	4-1/2	1
813942	8.50	.3346	121	4-3/4	1
813943	9.00	.3543	124	4-7/8	1
813944	9.50	.3740	127	5	1
813945	10.00	.3937	130	5-1/8	1



Part No. 813026
19 sizes
1mm to 10mm
.50mm increments

COMBINED DRILL and COUNTERSINK BITS



- Double-ended for double the wear, double the life.
- Drill ends of equal diameter 118° point.

PART NUMBER	DRILL SIZE INCHES	SHANK SIZE INCHES	OVERALL LENGTH INCHES	QTY
813991	7/64	1/4	2	3
813630	1/8	5/16	2-1/8	3
813992	3/16	7/16	2-3/4	3

DOUBLE-END STRAIGHT SHANK



- 135° Self-centering split point.
- Extra sharp point always handy.
- Fits drill chuck without damage.
- Stubby length reduces breakage.
- Ideal for drilling sheet metal 1/4" thick or less.

PART NUMBER	DRILL SIZE INCHES	DEC. EQUIV.	OVERALL LENGTH INCHES	QTY
813625	1/8	.1250	2	12
813626	3/16	.1875	2-3/16	3
813624	1/4	.2500	2-1/2	6
813627	30	.1285	2	3

BODY SHOP TIP
#30 Bit creates the perfect size hole for 1/8" blind rivets.

DYNALLOY DRILLS and DRILLS

REDUCED SHANK DRILLS





DON'T FORGET "CUTTING FOAM"
Drill bits will last longer. Part No. 811244

3/8'' REDUCED SHANK

PART NUMBER	DIAMETER INCHES	DEC. EQUIV.	OVERALL LENGTH
813651*	7/16	.4375	5-1/2
813657	5/8	.6250	6

*** Item will be discontinued when stock depletes.**

1/2'' REDUCED SHANK
3'' Twist Length

PART NUMBER	DIAMETER INCHES	DEC. EQUIV.	OVERALL LENGTH
813609	9/16	.5625	6
813611	5/8	.6250	6
813613	11/16	.6875	6
813615	3/4	.7500	6
813617	13/16	.8125	6
813619	7/8	.8750	6
813623	1	1.000	6

EXTRA LONG AIRCRAFT EXTENSION DRILLS

- 12'' Overall length.
- 135° Self-centering split point
- No center punch required; eliminates wandering.





PART NUMBER	DRILL DIA. INCHES	FLUTE LENGTH INCHES
813993	1/8	1-5/8
813994	3/16	2-5/16
813995	1/4	2-3/4
813996	9/32	2-15/16
813988	5/16	3-3/16
813997	3/8	3-5/8
813998	7/16	4-1/16
813999	1/2	4-1/2

DYNALLOY MASONRY DRILL

Tungsten Carbide Tip is specially designed for the drilling of: tile, brick, granite, concrete, and similar hard wearing material.

PART NUMBER	DRILL DIA. INCHES	SHANK DIA. INCHES	LENGTH
813658	3/16	3/16	3-1/2
813659	1/4	1/4	4-1/4
813660	5/16	1/4	6
813661	3/8	1/4	6
813662	7/16	7/16	6-1/4
813663	1/2	3/8	6-3/4
813664	5/8	3/8	6
813665	3/4	1/2	6

HEX SHANK DRILL BITS

- Fits all cordless drills and screwdrivers.
- 1/4'' hex shank for fast bit changes.
- Durable high speed steel quickly penetrates wood, metal and plastic.
- Hardened and tempered for long life.



Assortment Available

Part No. 813023
5 piece set
12028 plastic tray

PART NUMBER	DIAMETER INCHES	OVERALL LENGTH	FLUTE LENGTH IN.
813715	3/32	2-3/4	1-3/16
813716	7/64	2-7/8	1-1/4
813717	1/8	3	1-5/16
813718	9/64	3-1/16	1-7/16
813719	5/32	3-3/16	1-1/2

MULTI-PURPOSE DRILL BITS

Specially designed carbide tip, flute and heat treatment for penetrating a variety of materials.

APPLICATIONS
- Pipe & electrical mounts
- Machinery mounts
- Door & window frames
- Roofing & brackets

MATERIALS
- Concrete, stone & masonry
- Ceramic tile & marble
- Brick & granite
- Plastics, glass & wood
- Fiberglass & plexiglass

IDEAL FOR
- Corded/cordless drills
- Drill presses

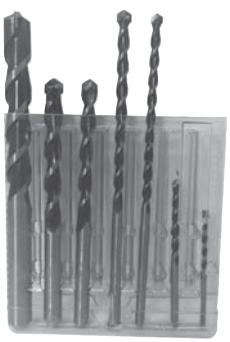


PSS040517

PART NUMBER	SHANK DIA. INCHES	OVERALL LENGTH
811052	1/8	2-3/4
811053	5/32	3-1/4
811054	3/16	3-1/4
811055	3/16	6
811056	1/4	4
811057	1/4	6
811058	5/16	4-3/4
811059	3/8	4-3/4
811060	1/2	6

Assortments Available

7 PIECE SET
Part No. 811050
1/8, 5/32, 3/16, 1/4, 5/16, 3/8 & 1/2





5 PIECE SET
Part No. 811051
1/8, 5/32, 3/16, 1/4, & 5/16

ULTRA MOLY MUSCLE DRILL BITS

ULTRA MOLY MUSCLE DRILL BITS



Ideal for use in hand drills with keyless chucks. They will make your job easier and save you time therefore saving you money.

no center punch needed!

Specially heat treated and then nitro-carburized. Allows for use in work hardening grades of stainless steel and other hard metal drilling applications



- Split Point - Provides fast penetration and accurate starting without center punching - no "walking'.
- 135° Point Angle - The flatter point takes a smaller chip and more torque is directed to a smaller area making it ideal for drilling hard materials.
- Flatted Shank - Gives positive chuck-grip eliminating slippage.
- Precision Ground Point, Flutes and Body - Provides the ultimate in accuracy and performance.
- Considerably Longer Cutting Life - This is due to the nitro-carburized flute edges which have an increased Rockwell hardness.
- Withstand Higher Drilling Temperatures - Because they are made of special Hi-Molybdenum tool steel.
- Runs Cooler and Cuts Easier - Gold surface treatment provides maximum lubricity and reduces friction.







Cuts easily through hardened materials.

ADV072811

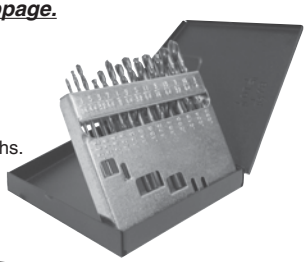
DIAMETER	OVERALL LENGTH	FLUTE LENGTH	PKG QTY 1	PKG QTY 3	PKG QTY 6	PKG QTY 12
1/16	1-7/8	7/8	**811020**	**811020-3**	**811020-6**	**811020-12**
5/64	2	1	**811021**	**811021-3**	**811021-6**	**811021-12**
3/32	2-1/4	1-1/4	**811022**	**811022-3**	**811022-6**	**811022-12**
7/64	2-3/8	1-5/16	**811023**	**811023-3**	**811023-6**	**811023-12**
1/8	2-1/2	1-7/16	**811024**	**811024-3**	**811024-6**	**811024-12**
9/64	2-5/8	1-9/16	**811025**	**811025-3**	**811025-6**	**811025-12**
5/32	2-3/4	1-11/16	**811026**	**811026-3**	**811026-6**	**811026-12**
11/64	2-7/8	1-13/16	**811027**	**811027-3**	**811027-6**	**811027-12**
3/16	3	1-7/8	**811028**	**811028-3**	**811028-6**	**811028-12**
13/64	3-1/8	1-15/16	**811029**	**811029-3**	**811029-6**	**811029-12**
7/32	3-1/4	2	**811030**	**811030-3**	**811030-6**	**811030-12**
15/64	3-3/8	2-1/16	**811031**	**811031-3**	**811031-6**	**811031-12**
1/4	3-1/2	2	**811032**	**811032-3**	**811032-6**	**811032-12**
17/64	3-5/8	2-1/8	**811033**	**811033-3**	**811033-6**	**811033-12**
9/32	3-3/4	2-1/4	**811034**	**811034-3**	**811034-6**	**811034-12**
19/64	3-7/8	2-3/8	**811035**	**811035-3**	**811035-6**	**811035-12**
5/16	4	2-1/2	**811036**	**811036-3**	**811036-6**	**811036-12**
21/64	4-1/16	2-9/16	**811037**	**811037-3**	**811037-6**	**811037-12**
11/32	4-1/8	2-5/8	**811038**	**811038-3**	**811038-6**	**811038-12**
23/64	4-3/16	2-11/16	**811039**	**811039-3**	**811039-6**	**811039-12**
3/8	4-1/4	2-11/16	**811040**	**811040-3**	**811040-6**	**811040-12**
25/64*	4-5/16	2-3/4	**811041**	**811041-3**	**811041-6**	**811041-12**
13/32*	4-3/8	2-13/16	**811042**	**811042-3**	**811042-6**	**811042-12**
27/64	4-7/16	2-7/8	**811043**	**811043-3**	**811043-6**	**811043-12**
7/16	4-1/2	2-15/16	**811044**	**811044-3**	**811044-6**	**811044-12**
29/64	4-5/8	3	**811045**	**811045-3**	**811045-6**	**811045-12**
15/32	4-3/4	3-1/8	**811046**	**811046-3**	**811046-6**	**811046-12**
31/64	4-7/8	3-1/4	**811047**	**811047-3**	**811047-6**	**811047-12**
1/2	5	3-3/8	**811048**	**811048-3**	**811048-6**	**811048-12**

***Will fit 3/8 chuck.**

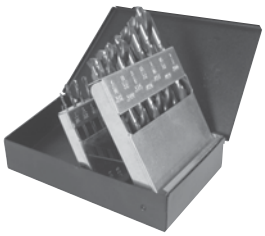
MECHANICS LENGTH



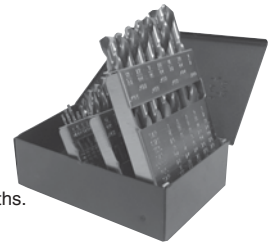
3 Flats on 3/16'' and larger shank give positive chuck-grip, and *virtually eliminates drill/chuck slippage.*



Part No. 811001
13 piece set
Sizes: 1/16" to 1/4" by 64ths.
packed in 12173 index



Part No. 811002
15 piece set
Sizes: 1/16" to 1/2" by 32nds.
packed in 12174 index



Part No. 811004
29 piece set
Sizes: 1/16" to 1/2" by 64ths.
packed in 12175 index

Holder not available separately.



Part No. 811005
29 piece set
Sizes: 1/16" to 1/2" by 64ths.
Weather Tight, Waterproof
Indestructible Plastic Holder:
3-1/8" W x 6-1/2" H



Room for 12 of each size

Part No. 811003
29 piece set
Sizes: 1/16" to 1/2" by 64ths.
packed in 12072 cabinet

BIT HOLDER

Holds insert bits, drill bits, nut drivers, pencils/pens, magnetic bit holders and more – on your drill!

- Slips easily on/off full sized cordless drills or impact drivers.
- Holds up to (16) 1" bits or countless combinations of other items.
- Keeps accessories handy.
- Where you need them – when you need them.





Part No. 811010
Bits not included.

PSS042115

ULTRA MOLY MUSCLE DRILL and DYNALLOY TWIST DRILLS

ULTRA-MOLY MUSCLE DRILL BITS - "QUICK RELEASE STYLE"



135° SELF STARTING SPLIT POINT

no center punch needed!

PSS120611

For Safety Always Wear Goggles and Face Shield when Grinding & Sanding

Recommended use in work hardening grades of stainless steel & other hard metal drill applications.

- Body & clearance are treated for maximum lubricity.
- Especially designed for hand held drills.
- Quick release eases changing of cutting tools.

Quick Release Hex Shank

PROUDLY MADE IN THE USA

1/4" MECHANIC LENGTH HEX SHANK



POCKET/BELT POUCH
Part No. 826201
Contains sizes: 1/16" to 1/4"
7 pieces • 7 items • soft pouch

826211	826213	826215	826217
826212	826214	826216	

Numbers in assortment



Part No. 826202
Quick Release adapter included
Contains sizes: 1/16" to 1/2"
12 pieces • 12 items • hard plastic case

826210	826213	826216	826221
826211	826214	826217	826223
826212	826215	826219	826225

Numbers in assortment

DIAMETER	OVERALL LENGTH	PKG QTY 1	PKG QTY 6
1/16	2-5/8	**826211**	**826211-6**
3/32	3-1/4	**826212**	**826212-6**
1/8	3-1/2	**826213**	**826213-6**
5/32	3-1/2	**826214**	**826214-6**
3/16	3-3/4	**826215**	**826215-6**
7/32	4	**826216**	**826216-6**
1/4	4-1/4	**826217**	**826217-6**
9/32	3-13/16	**826218**	**826218-6**
5/16	4	**826219**	**826219-6**
11/32	4-7/32	**826220**	**826220-6**
3/8	4-1/4	**826221**	**826221-6**
13/32	4-1/2	**826222**	**826222-6**
7/16	4-1/2	**826223**	**826223-6**
15/32	4-7/8	**826224**	**826224-6**
1/2	5	**826225**	**826225-6**

Part No. 826210
Quick Release Adapter



DYNALLOY POSI-GRIP DRILLS *(3/8" REDUCED SHANK)*



- 3 flats on shank prevent drill/chuck slippage.
- Maintenance/mechanics length-decreases breakage potential.



Part No. 814011
6 pieces • 6 items
12048 plastic tray

814729	814731	814733
814730	814732	814734

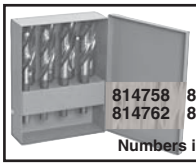
Numbers in assortment

DIAMETER	PART NUMBER	OVERALL LENGTH	FLUTE LENGTH
27/64	**814729**	4-7/16	2-7/8
7/16	**814730**	4-1/2	2-15/16
29/64	**814731**	4-5/8	3
15/32	**814732**	4-3/4	3-1/8
31/64	**814733**	4-7/8	3-1/4
1/2	**814734**	5	3-3/8

DYNALLOY POSI-GRIP DRILLS *(1/2" REDUCED SHANK - S & D DRILLS)*



- 3 flats on shank, prevent drill/chuck slippage.
- 135° split point up to 3/4 inch, larger sizes have 118° split point.
- Overall length 6 inches.
- Also called silver and deming drills.



Part No. 814012
8 pieces • 8 items
12148 steel index

814758	814766	814774	814782
814762	814770	814778	814786

Numbers in assortment

DIAMETER	PART NUMBER
33/64	**814755**
17/32	**814756**
35/64	**814757**
9/16	**814758**
37/64	**814759**
19/32	**814760**
39/64	**814761**
5/8	**814762**
41/64	**814763**
21/32	**814764**
43/64	**814765**

DIAMETER	PART NUMBER
11/16	**814766**
45/64	**814767**
23/32	**814768**
47/64	**814769**
3/4	**814770**
49/64	**814771**
25/32	**814772**
51/64	**814773**
13/16	**814774**
53/64	**814775**
27/32	**814776**

DIAMETER	PART NUMBER
55/64	**814777**
7/8	**814778**
57/64	**814779**
29/32	**814780**
59/64	**814781**
15/16	**814782**
61/64	**814783**
31/32	**814784**
63/64	**814785**
1	**814786**
1-1/32	**814787**

DIAMETER	PART NUMBER
1-1/16	**814788**
1-3/32	**814789**
1-1/8	**814790**
1-5/32	**814791**
1-3/16	**814792**
1-7/32	**814793**
1-1/4	**814794**
1-5/16	**814795**
1-3/8	**814796**
1-7/16	**814797**
1-1/2	**814798**

SPECIALTY DRILLS

HOLE HOG™ POSI-GRIP CORE DRILLS

Enlarges existing holes by as much as 160%.

PSS102716.814735-740

- Made from hi-molybdenum tool steel.
- Gold surface treated body for maximum lubricity.
- 3 flats on 1/2" diameter reduced shank - prevents drill/chuck slippage.
- 4 flute design.



- Special design point prevents catching and hogging-in when used on thinner materials such as truck frames.



Part No. 814013
6 pieces • 6 items
12080 plastic tray

814735 814737 814739
814736 814738 814740

Numbers in assortment

- 10 times longer life in truck frame drilling than standard silver and deming drills.

DIAMETER	PART NUMBER	MINIMUM STARTING HOLE SIZE	OVERALL LENGTH	FLUTE LENGTH
3/8*	**814735**	1/4	4-5/16	1-7/8
1/2	**814736**	5/16	4-5/16	1-7/8
9/16	**814737**	3/8	4-5/16	1-7/8
5/8	**814738**	25/64	4-5/16	1-7/8
11/16	**814739**	7/16	4-5/16	1-7/8
3/4	**814740**	15/32	4-5/16	1-7/8

*** has a 3/8 diameter shank**

ROTARY SAW BITS

- Used for drywall cutouts.
- High speed steel, parabolic triple flute.
- 1/4" sizes, fits 1/4" chuck on standard routers.
- Saves time and money. Use 1 instead of 10 ordinary drills.
- Short size 1/4" drill has 3/16" flute for close cuts around outlet boxes.
- Long size 1/4" ideal for doors and windows.
- #32 size has thicker core to reduce breakage.
- Replaces Zip® bits.





DIAMETER	PART NUMBER	OVERALL LENGTH
#32	**814752**	2-1/4
1/4 x 3/16	**814753**	2-1/2
1/4	**814754**	4

WELDOUT™ SPOTWELD DRILLS

Designed to effectively cut auto body panel spot welds.

DRILL DIA MM	PART NUMBER	APPROX SPOTWELD SIZE, INCHES	OVERALL LENGTH INCHES	FLAT LENGTH INCHES
6.5	**814741**	1/4	1-9/16	.44
6.5	**814743**	1/4	1-3/4	None
6.5*	**814744**	1/4	3-5/8	None
8.0	**814745**	5/16	1-9/16	.44
8.0	**814746**	5/16	1-29/64	.44
8.0	**814747**	5/16	1-11/16	.75
8.0	**814748**	5/16	1-3/4	None
8.0*	**814749**	5/16	3-5/8	None
10.0	**814750**	3/8	1-3/4	None
10.0*	**814751**	3/8	3-5/8	None

***twin end**

PSS110717.814741-751.799

- Cobalt high speed steel, more abrasion resistant.
- Spur point designed to cut through the weld on one panel while leaving second panel free of holes.
- Long wearing cutting edges.
- Sizes without flats are for use in standard air powered drill motors.





Part No. 814799
6 piece set
Includes 6.5mm, 6.5mm TE*,
8.0mm, 8.0mmTE*,
10.0mm, 10.0mm TE*

CARBIDE SPOTWELD DRILLS

Carbide ALTiN coated spotweld drills.





- Designed to cut spotwelds from Boron Steel.
- Use in high temperature operations and difficult to machine material. ALTiN coating improves lubricity, reduces chip weld & can be operated at 30% faster feeds and speeds.
- Recommended (900 RPM - 1,000 RPM).

DRILL DIA MM	PART NUMBER	APPROX SPOTWELD SIZE, INCHES	OVERALL LENGTH INCHES	FLAT LENGTH INCHES
TYPE 187-B				
8.0	**814960**	5/16	2	None
TYPE 187-B WITH FLAT ON SHANK				
8.0	**814961**	5/16	1-3/4	.750

PSS101614

SPADE WOOD BORING DRILLS

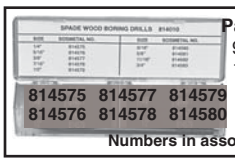
SIZE	PART NUMBER
1/4	**814575**
5/16	**814576**
3/8	**814577**
7/16	**814578**
1/2	**814579**
9/16	**814580**

SIZE	PART NUMBER
5/8	**814581**
11/16	**814582**
3/4	**814583**
13/16	**814584**
7/8	**814585**
15/16	**814586**

SIZE	PART NUMBER
1	**814587**
1-1/8	**814588**
1-1/4	**814589**
1-3/8	**814590**
1-1/2	**814591**

- 1/4" shank diameter, 6" long.
- Built-in hole for pulling wires back.
- Faster, smoother cuts with precision ground spur and cutting edges.





Part No. 814010
9 pieces • 9 items
12048 plastic tray

814575 814577 814579 814581 814583
814576 814578 814580 814582

Numbers in assortment

D SECTION
TOOLS & SHOP SUPPLIES













DYNALLOY TWIST DRILLS and E-Z REAMER

LEFT HAND* DYNALLOY TWIST DRILLS

- Left hand rotation helps loosen screw and provide firm bite for extractor.
- Loose broken studs & bolts will often unscrew while using left hand drill.
- High speed alloy steel with 118° point.
- Ideal for use with screw extractors.
- Polished flutes - improved chip removal.
- Straight shank - jobber length.

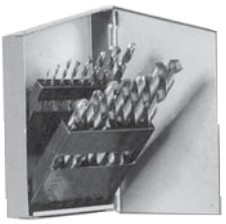
PART NUMBER	DIA	DEC. EQUIV.	OVERALL LENGTH	FLUTE LENGTH	QTY
813790	1/16	.0625	1-7/8	7/8	1
813791	3/32	.0937	2-1/4	1-1/4	1
813631	1/8	.1250	2-3/4	1-5/8	3
813632	5/32	.1562	3-1/8	2	3
813633	3/16	.1875	3-1/2	2-5/16	3
813634	7/32	.2188	3-3/4	2-1/2	3
813635	1/4	.2500	4	2-3/4	3
813792	9/32	.2812	4-1/4	2-15/16	1

PART NUMBER	DIA	DEC. EQUIV.	OVERALL LENGTH	FLUTE LENGTH	QTY
813636	5/16	.3125	4-1/2	3-3/16	3
813793	11/32	.3437	4-3/4	3-7/16	1
813637	3/8	.3750	5	3-5/8	3
813794	13/32	.4062	5-1/4	3-7/8	1
813795	7/16	.4375	5-1/2	4-1/16	1
813796	15/32	.4687	5-3/4	4-5/16	1
813797	1/2	.5000	6	4-1/2	1

*** These drills must be used with a reversible drill turning in the proper direction.**

813015
7 piece set
Includes 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"
Packed in 12096 Index

813045
15 piece set
All sizes included
Packed in 12096 Index



DYNALLOY E-Z REAMER

- Spring Hangers.
- Weighted bumper mounting on cranes.
- Installing teeth on front end of loader buckets.
- Tool box, accessory, fuel tank, 5th wheel & tow hook mounting.
- Enlarging spring center bolt holes.
- Enlarging misaligned holes.



Outperforms Ordinary Reamers 10 to 1

FEATURES / BENEFITS

- Specially developed to produce new holes or enlarge existing holes.
- Drill truck frames in minutes instead of hours. Specially engineered incline plane makes the difference.
- Use heavy duty 1/2" or larger drill with at least 4.5 amps, best results obtained if motor is 6 to 15 amps. High amps provide constant torque with even speed.
- Tougher alloy steel increases tool life.
- SAFER - Mechanics are convinced problems - NON-EXISTENT with the Dynalloy E-Z Reamer. Tool Guard Collar protects tool and drill.
- EASIER - Any mechanic can operate the Dynalloy E-Z Reamer. Because less effort or pressure is required.

814015
3 piece set
Includes 1/2", 5/8", 3/4"
Sturdy Plastic Case

814016
4 piece set
Includes 3/8", 1/2", 5/8", 3/4"
Sturdy Plastic Case



PART NUMBER	DIAMETER	OVERALL LENGTH	TAPER LEAD	SHANK LENGTH	SHANK DIAMETER	FLUTE LENGTH	FLUTES	HELIX ANGLE	COLLAR DIAMETER	COLLAR THICKNESS
113140	3/8	4-3/4	8°	1-1/2	1/2	3-1/4	4	20°	1/2	5/16
113141	7/16	4-3/4	8°	1-1/2	1/2	3-1/4	4	20°	9/16	5/16
113151	1/2	5-3/4	8°	1-1/2	1/2	3-3/8	5	20°	5/8	5/16
113142	9/16	5-3/4	8°	1-1/2	1/2	3-3/8	5	20°	11/16	5/16
113152	5/8	6-3/16	8°	1-1/2	1/2	3-7/8	5	20°	3/4	5/16
113153	3/4	6-3/4	8°	1-1/2	1/2	4-1/4	5	20°	7/8	5/16
113143	7/8	7-1/8	8°	1-1/2	1/2	4-7/8	5	20°	1	5/16
113144	1	7-3/16	8°	1-1/2	1/2	4-3/4	5	20°	1-1/8	5/16

PSS102513



Part No. 814014
8 pieces • 8 items
12116 steel tray

113140	**114144**
113141	**113151**
113142	**113152**
113143	**113153**

Numbers in assortment

COBALT HEAVY DUTY and UNIBIT STEP DRILLS

COBALT HEAVY DUTY DRILLS

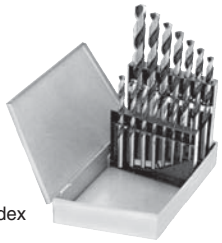
Used for drilling holes in hard, tough materials such as stainless steel, titanium, high temperature & high strength alloys.

Cobalt M-42 with gold finish

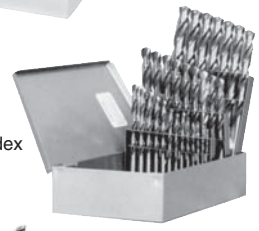


Part No. 814020
13 piece set
Sizes: 1/16" to 1/4" by 64ths.
packed in 12095 index

PROUDLY MADE IN THE USA



Part No. 814021
15 piece set
Sizes: 1/16" to 1/2" by 32nds.
packed in 12096 index

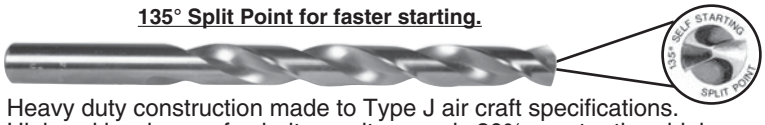


Part No. 814022
29 piece set
Sizes: 1/16" to 1/2" by 64ths.
packed in 12097 index



Part No. 814023
29 piece set
Sizes: 1/16" to 1/2" by 64ths.
packed in 12072 cabinet

135° Split Point for faster starting.



- Heavy duty construction made to Type J air craft specifications.
- High red hardness of cobalt permits speeds 30% greater than high speed steel drills.

DIAMETER	OVERALL LENGTH	FLUTE LENGTH	PKG QTY 1	PKG QTY 3	PKG QTY 6	PKG QTY 12
1/16	1-7/8	7/8	**814200**		**814200-6**	**814200-12**
5/64	2	1	**814201**		**814201-6**	**814201-12**
3/32	2-1/4	1-1/4	**814202**		**814202-6**	**814202-12**
7/64	2-5/8	1-1/2	**814203**		**814203-6**	**814203-12**
1/8	2-3/4	1-5/8	**814204**		**814204-6**	**814204-12**
9/64	2-7/8	1-3/4	**814205**		**814205-6**	**814205-12**
5/32	3-1/8	2	**814206**		**814206-6**	**814206-12**
11/64	3-1/4	2-1/8	**814207**		**814207-6**	**814207-12**
3/16	3-1/2	2-5/16	**814208**		**814208-6**	**814208-12**
13/64	3-5/8	2-7/16	**814209**		**814209-6**	**814209-12**
7/32	3-3/4	2-1/2	**814210**		**814210-6**	**814210-12**
15/64	3-7/8	2-5/8	**814211**		**814211-6**	**814211-12**
1/4	4	2-3/4	**814212**		**814212-6**	**814212-12**
17/64	4-1/8	2-7/8	**814213**		**814213-6**	**814213-12**
9/32	4-1/4	2-15/16	**814214**		**814214-6**	**814214-12**
19/64	4-3/8	3-1/16	**814215**		**814215-6**	**814215-12**
5/16	4-1/2	3-3/16	**814216**	**814216-3**	**814216-6**	
21/64	4-5/8	3-5/16	**814217**	**814217-3**	**814217-6**	
11/32	4-3/4	3-7/16	**814218**	**814218-3**	**814218-6**	
23/64	4-7/8	3-1/2	**814219**	**814219-3**	**814219-6**	
3/8	5	3-5/8	**814220**	**814220-3**	**814220-6**	
25/64	5-1/8	3-3/4	**814221**	**814221-3**	**814221-6**	
13/32	5-1/4	3-7/8	**814222**	**814222-3**	**814222-6**	
27/64	5-3/8	3-15/16	**814223**	**814223-3**	**814223-6**	
7/16	5-1/2	4-1/16	**814224**	**814224-3**	**814224-6**	
29/64	5-5/8	4-3/16	**814225**	**814225-3**	**814225-6**	
15/32	5-3/4	4-5/16	**814226**	**814226-3**	**814226-6**	
31/64	5-7/8	4-3/8	**814227**	**814227-3**	**814227-6**	
1/2	6	4-1/2	**814228**	**814228-3**	**814228-6**	

UNIBIT STEP DRILLS

– Two Styles Available –

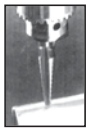
Multi-Hole Style: Incorporates specially designed cutting steps, of progressively larger diameters, making it possible to drill up to as many as thirteen different hole sizes with a single bit.
Single Hole Style: Allows you to drill 3/8" or 1/2" diameter holes in tight confined areas, with little effort. Works in spots regular length drill bits won't fit.

- Enlarges holes quickly and efficiently.
- Produces smooth, rounded holes - automatic deburring action.
- Saves TIME & MONEY!
- Self-Starting tip.
- No "skidding" of bit. No need to center punch metal.
- Perfect hole sizing, time after time.

PART NUMBER	ILLUSTRATION	SELF-STARTING BIT DESIGN	MAX. MAT. THICKNESS (INCHES)	HOLE DIA.	SHANK SIZE (INCHES)	NO. OF DIA. ON BIT	DRILLING APPLICATIONS
813640 MULTI-HOLE		Yes	1/8	1/8 to 1/2 1/32 Increments	1/4	13	All around drilling of steel, fiberglass, plastic and aluminum.
813642 MULTI-HOLE		Yes	3/8	3/16 to 1/2 1/16 Increments	1/4	6	All around drilling of steel, fiberglass, plastic and aluminum.
813643 MULTI-HOLE		Yes	1/8	1/4 to 3/4 1/16 Increments	3/8	9	All around drilling of steel, fiberglass, plastic and aluminum.
813644 SINGLE-HOLE		Yes	N/A	1/2	1/4	1	Rust proofing, drilling frames for pulling attachments & trailer hitch installations.
813645 SINGLE-HOLE		Yes	N/A	3/8	1/4	1	Rust proofing, drilling frames for pulling attachments & trailer hitch installations.
813646 METRIC MULTI-HOLE		Yes	3/16	4mm to 12mm	1/4	9	All around drilling of steel, fiberglass, plastic and aluminum.
813647 METRIC MULTI-HOLE		Yes	3/16	6mm to 18mm	3/8	7	All around drilling of steel, fiberglass, plastic and aluminum.


Greatly simplifies auto accessory installations.


Ideal for rust proofing applications.


Sure starts even on curved surfaces.


Cuts quickly through dense metal.

STEP DRILLS, TAPS and DIES

ULTRA-MOLY MUSCLE STEP DRILL BITS - "QUICK RELEASE STYLE"



Part No. 813670
Contains sizes: 1/8" - 1/2", 3/16" - 1/2" & 1/4" - 3/4"
3 pieces • 3 items
metal case

813671 813672 813673

Numbers in assortment

PROUDLY MADE IN THE USA

M2 Steel - Gold Oxide Coating



- Use for all thin metals, rigid plastics, wood or composite materials with a thickness equal to or less than the step thickness.
- Quick release shank eases changing of cutting tools.

PSS072014

For Safety Always Wear Goggles and Face Shield when Grinding & Sanding

PART NUMBER	HOLE SIZE	NO. OF SIZES	STEP RANGE	STEP INCREMENTS	THICKNESS
813671	1/8 - 1/2	13	1/8 - 1/2	1/32	1/8
813672	3/16 - 1/2	6	3/16-1/2	1/16	3/8
813673	1/4 - 3/4	9	1/4 - 3/4	1/16	5/32

Part No. 826210
Quick Release Adapter



D10C

DYNALLOY TAPS

- Heat treated and tempered for long life, clean accurate threads.
- Carbon tool steel, hard-chrome finish.
- Long-lasting - chrome finish resists rust and tarnish.
- Right hand threads, USS and SAE.
- Each tap marked permanently with drill size.
- 3 types - plug, taper, and bottoming.
- Assorted Imports.



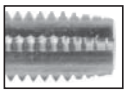
ULTRA-CUT TAPS

PROUDLY MADE IN THE USA

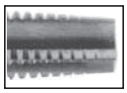
- Triple heat treated M7 steel.
- Outlasts carbon steel 10 to 1.
- Gold surface treated for maximum lubricity.
- Each tap marked permanently with drill size.
- Right hand threads, USS / SAE.
- Precision ground threads for the ultimate in accuracy and performance.
- 3 types - plug, taper and bottoming.



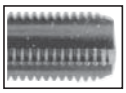
TYPES OF TAPS



PLUG
3 to 5 threads chamfered. General use when tapping to bottom of hole is not critical. (This is the most widely used type of tap.)



TAPER
8 to 10 threads chamfered for easy thread starting in tough materials.



BOTTOMING
1-1/2 threads chamfered. Use after threads have been started for tapping to bottom of hole.

– Taps available separately or in sets. –

TAP & DRILL ASSORTMENT

- **SAVES TIME:** Proper size "Tap & Drill Combos" are now right at your fingertips.
- **COMPLETE SET:** 9 of the most used plug style taps with the correct size drill.
- **HIGH STRENGTH** Index protects taps and drills from costly damage when not in use.
- **EASY ACCESS:** Compact design fits in tool box drawer. It's just 4" x 7" x 1-1/4".
- **FULL COVERAGE:** Order National Coarse (USS) or National Fine (SAE) in either Ultra-Cut or Dynalloy.

18 Pieces Each Set



NATIONAL COARSE (USS)

9 taps • 9 drills • 12107 index

DYNALLOY ASST. Part No. 813027

PART NUMBER	TAP SIZE	PART NUMBER	DRILL SIZE
813809	6-32	813566	#36
813810	8-32	813559	#29
813811	10-24	813555	#25
813812	10-32	813551	#21
813814	1/4-20	813537	#7
813815	5/16-18	813579	"F"
813816	3/8-16	813517	5/16
813817	7/16-14	813594	"U"
813818	1/2-13	813524	27/64

9 taps • 9 drills • 12107 index

ULTRA-CUT ASST. Part No. 813032 (Includes Spiral Point Taps)

PART NUMBER	TAP SIZE	PART NUMBER	DRILL SIZE
814505	6-32	813566	#36
814507	8-32	813559	#29
814509	10-24	813555	#25
814510	10-32	813551	#21
814513	1/4-20	813537	#7
814515	5/16-18	813579	"F"
814517	3/8-16	813517	5/16
814519	7/16-14	813594	"U"
814521	1/2-13	813524	27/64

NATIONAL FINE (SAE)

9 taps • 9 drills • 12108 index

DYNALLOY ASST. Part No. 813028

PART NUMBER	TAP SIZE	PART NUMBER	DRILL SIZE
813894	6-40	813563	#33
813895	8-36	813559	#29
813811	10-24	813555	#25
813812	10-32	813551	#21
813844	1/4-28	813533	#3
813845	5/16-24	813582	"I"
813846	3/8-24	813590	"Q"
813847	7/16-20	813522	25/64
813848	1/2-20	813526	29/64

9 taps • 9 drills • 12108 index

ULTRA-CUT ASST. Part No. 813033 (Includes Spiral Point Taps)

PART NUMBER	TAP SIZE	PART NUMBER	DRILL SIZE
814506	6-40	813563	#33
814508	8-36	813559	#29
814509	10-24	813555	#25
814510	10-32	813551	#21
814514	1/4-28	813533	#3
814516	5/16-24	813582	"I"
814518	3/8-24	813590	"Q"
814520	7/16-20	813522	25/64
814522	1/2-20	813526	29/64

DYNALLOY TAPS

TAPS - MACHINE SCREW and FRACTIONAL



*Sets consists of one (1) each: Plug, Taper, and Bottoming Tap
†Order drills separately.

SIZE	PLUG STYLE PART NO.	TAPER STYLE PART NO.	BOTTOMING STYLE PART NO.	SETS* PART NO.	DRILL SIZE REQUIRED†
4-40 USS	**813807**	---	**813800**	---	#44
4-48 SAE	**813808**	---	**813801**	---	#43
6-32 USS	**813809**	---	**813802**	---	#36
6-40 SAE	**813894**	---	---	---	#33
8-32 USS	**813810**	---	**813803**	---	#29
8-36 SAE	**813895**	---	---	---	#29
10-24 USS	**813811**	---	**813804**	---	#25
10-32 SAE	**813812**	---	**813805**	---	#21
12-24 USS	**813813**	---	**813806**	---	*#16*
1/4-20 USS	**813814**	**813824**	**813834**	**813874**	#7
1/4-28 SAE	**813844**	**813854**	**813864**	**813884**	#3
5/16-18 USS	**813815**	**813825**	**813835**	**813875**	F
5/16-24 SAE	**813845**	**813855**	**813865**	**813885**	I
3/8-16 USS	**813816**	**813826**	**813836**	**813876**	5/16
3/8-24 SAE	**813846**	**813856**	**813866**	**813886**	Q
7/16-14 USS	**813817**	**813827**	**813837**	**813877**	U
7/16-20 SAE	**813847**	**813857**	**813867**	**813887**	25/64
1/2-13 USS	**813818**	**813828**	**813838**	**813878**	27/64
1/2-20 SAE	**813848**	**813858**	**813868**	**813888**	29/64
9/16-12 USS	**813819**	**813829**	**813839**	**813879**	31/64
9/16-18 SAE	**813849**	**813859**	**813869**	**813889**	33/64
5/8-11 USS	**813820**	**813830**	**813840**	**813880**	17/32
5/8-18 SAE	**813850**	**813860**	**813870**	**813890**	37/64
3/4-10 USS	**813821**	**813831**	**813841**	**813881**	21/32
3/4-16 SAE	**813851**	**813861**	**813871**	**813891**	11/16
7/8-9 USS	**813822**	**813832**	**813842**	**813882**	49/64
7/8-14 SAE	**813852**	**813862**	**813872**	**813892**	13/16
1-8 USS	**813823**	**813833**	**813843**	**813883**	7/8
1-14 SAE	**813853**	**813863**	**813873**	**813893**	15/16

TAPS - METRIC/PLUG STYLE

- Heat treated and tempered carbon tool steel.
- Hard-chrome finish.
- Each tap permanently marked with tap and drill size.
- Used to cut metric, automotive, and machinery threads.

SIZE	PART NO.	DRILL SIZE REQUIRED†	SIZE	PART NO.	DRILL SIZE REQUIRED†
5mm x .80	**813953**	11/64	10mm x 1.50	**813961**	11/32
6mm x 1.00	**813954**	13/64	12mm x 1.25	**813962**	13/32
7mm x 1.00	**813956**	15/64	12mm x 1.50	**813963**	13/32
8mm x 1.25	**813957**	17/64	12mm x 1.75	**813964**	27/64
8mm x 1.00	**813958**	21/64	14mm x 1.25	**813966**	33/64
9mm x 1.25	**813959**	5/16	14mm x 1.50	**813967**	15/32
10mm x 1.00	**813952**	23/64	14mm x 2.00	**813965**	15/32
10mm x 1.25	**813960**	S			

†Order drills separately.

HEX DIES

- Made in U.S.A.
- High quality carbon tool steel.
- Permanently marked with size and starting side.
- Hard-chrome finish.
- Right hand threads.



MACHINE SCREW SIZES SIZE	O.D. INCHES	PART NO.	FRACTIONAL SIZES SIZE INCHES	O.D. INCHES	USS PART NO.	SAE PART NO.	METRIC SIZES SIZE	O.D. INCHES	PART NO.
4-40	1	**813901**	1/4	1	**813907**	**813917**	M3 x .50	1	**813968**
6-32	1	**813902**	5/16	1	**813908**	**813918**	M8 x 1.25	1	**813974**
8-32	1	**813903**	3/8	1	**813909**	**813919**	M10 x 1.25	1	**813977**
10-24	1	**813904**	7/16	1	**813910**	**813920**	M10 x 1.50	1	**813978**
10-32	1	**813905**	1/2	1	**813911**	**813921**	M11 x 1.50	1	**813979**
12-24	1	**813906**	9/16	1-7/16	**813912**	**813922**	M12 x 1.25	1	**813983**
--	--	**---**	5/8	1-7/16	**813913**	**813923**	M12 x 1.50	1	**813980**
--	--	**---**	3/4	1-7/16	**813914**	**813924**	M14 x 2.00	1	**813982**

ULTRA-CUT TAPS and DIES

HIGH SPEED STEEL TAPS - MACHINE SCREW and FRACTIONAL

SIZE	PLUG STYLE PART NO.	TAPER STYLE PART NO.	BOTTOMING STYLE PART NO.	SETS* PART NO.	DRILL SIZE REQUIRED†
4-40 USS	**814800**	**814820**	**814840**	**814860**	#44
5-40 USS	**814801**	**814821**	**814841**	**814861**	#43
6-32 USS	**814802**	**814822**	**814842**	**814862**	#36
6-40 SAE	**814803**	**814823**	**814843**	**814863**	#33
8-32 USS	**814804**	**814824**	**814844**	**814864**	#29
8-36 SAE	**814805**	**814825**	**814845**	**814865**	#29
10-24 USS	**814806**	**814826**	**814846**	**814866**	#25
10-32 SAE	**814807**	**814827**	**814847**	**814867**	#21
12-24 USS	**814808**	**814828**	**814848**	**814868**	#16
12-28 SAE	**814809**	**814829**	**814849**	**814869**	#16
1/4-20 USS	**814810**	**814830**	**814850**	**814870**	#7
1/4-28 SAE	**814811**	**814831**	**814851**	**814871**	#3
5/16-18 USS	**814812**	**814832**	**814852**	**814872**	F
5/16-24 SAE	**814813**	**814833**	**814853**	**814873**	I
3/8-16 USS	**814814**	**814834**	**814854**	**814874**	5/16
3/8-24 SAE	**814815**	**814835**	**814855**	**814875**	Q
7/16-14 USS	**814816**	**814836**	**814856**	**814876**	U
7/16-20 SAE	**814817**	**814837**	**814857**	**814877**	25/64
1/2-13 USS	**814818**	**814838**	**814858**	**814878**	27/64
1/2-20 SAE	**814819**	**814839**	**814859**	**814879**	29/64
9/16-12 USS	**814880**	**814899**	**814918**	**814937**	31/64
9/16-18 SAE	**814881**	**814900**	**814919**	**814938**	33/64
5/8-11 USS	**814882**	**814901**	**814920**	**814939**	17/32
5/8-18 SAE	**814883**	**814902**	**814921**	**814940**	37/64
3/4-10 USS	**814884**	**814903**	**814922**	**814941**	21/32
3/4-16 SAE	**814885**	**814904**	**814923**	**814942**	11/16
7/8-9 USS	**814886**	**814905**	**814924**	**814943**	49/64
7/8-14 SAE	**814887**	**814906**	**814925**	**814944**	13/16
1-8 USS	**814888**	**814907**	**814926**	**814945**	7/8
1-12	**814889**	**814908**	**814927**	**814946**	59/64
1-14 SAE	**814890**	**814909**	**814928**	**814947**	15/16
1-1/8-7 USS	**814891**	**814910**	**814929**	**814948**	63/64
1-1/8-12 SAE	**814892**	**814911**	**814930**	**814949**	1-3/64
1-1/4-7 USS	**814893**	**814912**	**814931**	**814950**	1-7/64
1-1/4-12 SAE	**814894**	**814913**	**814932**	**814951**	1-11/64
1-3/8-6 USS	**814895**	**814914**	**814933**	**814952**	1-7/32
1-3/8-12 SAE	**814896**	**814915**	**814934**	**814953**	1-19/64
1-1/2-6 USS	**814897**	**814916**	**814935**	**814954**	1-11/32
1-1/2-12 SAE	**814898**	**814917**	**814936**	**814955**	1-27/64

***Sets consists of one (1) each: Plug, Taper and Bottoming Tap**
†Order drills separately.

PROUDLY MADE IN THE USA



3 Flutes - sizes 4-40 thru 6-40

4 Flutes - sizes 8-32 thru 1/2-20, 9/16-12 thru 1-1/4-7, 1-3/8-6, and 1-1/2-6

6 Flutes - sizes 1-3/8-12 and 1-1/2-12

HIGH SPEED STEEL - SPIRAL POINT TAPS

- Made in the USA.
- Plug style.
- Triple heat treated M7 steel.
- Outlasts carbon steel 10 to 1.
- Spiral point drives chips ahead of the tap, which permits higher speeds and faster cutting with less torque.
- Precision ground threads for the ultimate in accuracy & performance.



USS (COARSE) SIZES		SAE (FINE) SIZES		METRIC SIZES	
SIZE	PART NO.	SIZE	PART NO.	SIZE	PART NO.
4-40	**814500**	4-48	**814501**	2.5 x .45	**814535**
--	**---**	4-36	**814502**	3 x .50	**814536**
5-40	**814503**	5-44	**814504**	3.5 x .60	**814537**
6-32	**814505**	6-40	**814506**	4 x .70	**814538**
8-32	**814507**	8-36	**814508**	5 x .80	**814539**
10-24	**814509**	10-32	**814510**	6 x 1.00	**814540**
12-24	**814511**	12-28	**814512**	8 x 1.25	**814541**

USS (COARSE) SIZES		SAE (FINE) SIZES		METRIC SIZES	
SIZE	PART NO.	SIZE	PART NO.	SIZE	PART NO.
1/4-20	**814513**	1/4-28	**814514**	10 x 1.50	**814542**
5/16-18	**814515**	5/16-24	**814516**	12 x 1.75	**814543**
3/8-16	**814517**	3/8-24	**814518**	--	**---**
7/16-14	**814519**	7/16-20	**814520**	--	**---**
1/2-13	**814521**	1/2-20	**814522**	--	**---**
5/8-11	**814523**	5/8-18	**814524**	--	**---**
3/4-10	**814525**	3/4-16	**814526**	--	**---**

HIGH SPEED STEEL - HEX DIES

- Triple heat treated M7 steel.
- Outlasts carbon steel 10 to 1.
- Precision ground threads for the ultimate in accuracy and performance.
- Gold surface treated for maximum lubricity.

PROUDLY MADE IN THE USA

USS (COARSE) SIZES			SAE (FINE) SIZES		
SIZE	O.D.	PART NO.	SIZE	O.D.	PART NO.
4-40	1	**814550**	10-32	1	**814554**
6-32	1	**814551**	1/4-28	1	**814557**
8-32	1	**814552**	5/16-24	1	**814559**
10-24	1	**814553**	3/8-24	1	**814561**
12-24	1	**814555**	7/16-20	1	**814563**
1/4-20	1	**814556**	1/2-20	1	**814565**
5/16-18	1	**814558**	9/16-18	1-7/16	**814567**

USS (COARSE) SIZES			SAE (FINE) SIZES		
SIZE	O.D.	PART NO.	SIZE	O.D.	PART NO.
3/8-16	1	**814560**	5/8-18	1-7/16	**814569**
7/16-14	1	**814562**	3/4-16	1-7/16	**814571**
1/2-13	1	**814564**	--	--	**---**
9/16-12	1-7/16	**814566**	--	--	**---**
5/8-11	1-7/16	**814568**	--	--	**---**
3/4-10	1-7/16	**814570**	--	--	**---**



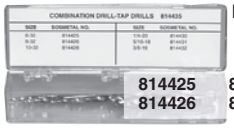
ULTRA-CUT TAPS, SPECIAL TAPS, DIES, TOOLS and TAP & DIE SETS

COMBINATION DRILL-TAP

High speed steel drills and taps in one operation.

- Eliminates loose, sloppy holes because wrong size drill was used.
- Reduced shank minimizes breakage due to overrun.
- Only 1 setup required.
- Provides precision tapped holes in one - 2 stage process.

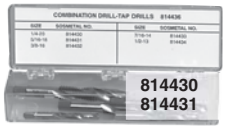




Part No. 814435
6 pieces • 6 items
12048 plastic tray

814425 814428 814431
814426 814430 814432

Numbers in assortment



Part No. 814436
5 pieces • 5 items
12048 plastic tray

814430 814432 814434
814431 814433

Numbers in assortment

THREAD SIZE	PART NUMBER	DRILL SIZE MM	THREAD LENGTH MM	OVERALL LENGTH MM
6-32*	**814425**	2.7	12	51
8-32	**814426**	3.5	12	64
10-24	**814427**	3.9	15	72
10-32	**814428**	3.9	15	72
12-24	**814429**	4.5	16	77
1/4-20	**814430**	5.1	18	83
5/16-18	**814431**	6.5	21	94
3/8-16	**814432**	8.0	22	104
7/16-14	**814433**	9.2	25	107
1/2-13	**814434**	10.8	29	114

*** Not a reduced shank**

PIPE THREAD TAPS

Ground Threads • Carbon Tool Steel

- Cuts internal threads in pipes.
- Ideal where extremely tight fit is required.
- Drill size permanently marked on each tap.



PART NUMBER	TAP SIZE NPT INCHES	USE DRILL SIZE
813701	1/8-27	11/32
813702	1/4-18	7/16
813703	3/8-18	37/64
813704	1/2-14	23/32
813705	3/4-14	59/64
813706	1" - 11-1/2	1-5/32

TAP AND REAMER WRENCHES



- Professional quality.
- Rugged, long lasting construction.
- Hardened and heat treated steel jaws.
- Adjusts easily by turning handles.

PART NUMBER	FOR TAP SIZE INCHES
813135	No. 4 m/s - 1/2
813136	1/4 - 3/4
813137	1/2 - 1-1/8

DIE STOCK



- Professional quality.
- Chrome steel handles.
- 3-jaw self centering adjustable guides.
- Assures straight threads and easy handles.

PART NUMBER	FOR DIES INCHES
813134	1-1/2 Round & 1-7/16 Hex O.D.

TAP SOCKET SET



- Ideal for use in areas where a T-handle won't fit.
- Set of 8 sockets fits all number and fractional standard taps thru 1/2".
- Also fits 1/8" NPT taps and metric taps thru 12mm.

Part No. 213653

TAP & DIE SETS

- Made of tough tool steel, hard chrome finish.
- Made in USA.
- Hardened and tempered to cut smooth threads.

27 PIECE MECHANIC SETS

KIT CONTAINS:

1 Die Stock for 1" round or hex
1 Tap Wrench for 4MS-1/2"
1 T-Handle Tap Wrench for 1/4" - 1/2"
1 Screw Pitch Gauge for 9 to 40 U.S. (fractional set)
1 Metric Thread Gauge for 0.45 to 2.50mm (metric set)
1 Screwdriver - No.5



FRACTIONAL SET
Part No. 813030
11 taps • 11 one inch hex dies

METRIC SET
Part No. 813035
11 taps • 11 one inch hex dies

THREAD	SIZE AND THREADS PER INCH				
NC	1/4-20	5/16-18	3/8-16	7/16-14	1/2-13
NF	1/4-28	5/16-24	3/8-24	7/16-20	1/2-20
NPT	1/8-27				

SIZE AND PITCH			
3mm-.60	6mm-1.00	9mm-1.25	12mm-1.75
4mm-.70	7mm-1.00	10mm-1.50	1/8-28 BSP
5mm-.80	8mm-1.25	12mm-1.50	

40 PIECE MECHANIC SETS

KIT CONTAINS:

1 Die Stock for 1" round or hex
1 Tap Wrench for 4MS-1/2"
1 T-Handle Tap Wrench for No. 0 - 1/4"
1 T-Handle Tap Wrench for 1/4" - 1/2"
1 Screw Pitch Gauge for 9 to 40 U.S. (fractional set)
1 Metric Thread Gauge for 0.45 to 2.50mm (metric set)
1 Screwdriver - No.5



FRACTIONAL SET
Part No. 813031
17 taps • 17 one inch hex dies

METRIC SET
Part No. 813036
17 taps • 17 one inch hex dies

THREAD	SIZE AND THREADS PER INCH					
NC	4-40	6-32	8-32	10-24	12-24	1/4-20
NC	5/16-18	3/8-16	7/16-14	1/2-13		
NF	10-32	1/4-28	5/16-24	3/8-24	7/16-20	1/2-20
NPT	1/8-27					

SIZE AND PITCH				
3mm-.60	5mm-.80	8mm-1.25	10mm-1.25	12mm-1.50
3mm-.60	5mm-.90	9mm-1.00	10mm-1.50	12mm-1.75
4mm-.70	6mm-1.00	9mm-1.25	11mm-1.50	1/8-28 BSP
4mm-.75	7mm-1.00			

THREAD REPAIR TOOLS

MASTER RETHREADING SET

- Repairs fractional or metric threads.
- Taps and dies are hex-shaped for use with a socket or wrench.
- Rethreading tools are color coded for quick, visual identification.

• 40 piece set contains: 7 NC Coarse Die sizes, 7 NF Fine Die sizes, 6 Metric Die sizes, 6 NC Tap sizes, 6 NF Tap sizes, 6 Metric Tap sizes, one SAE (8 sizes) and one metric (8 sizes) rethreader file.



Part No. **813221**

EXTRACTOR TOOLS

5 assorted screw extractors for removing screw or bolt sizes 3/16" to 3/4". Each extractor is permanently marked with suggested drill size.



Part No. **11375**

OIL DRAIN PAN RETHREADING KIT

PART NUMBER	SIZE
813848	1/2"-20 SAE
813962	12mm x 1.25
813963	12mm x 1.50
813964	12mm x 1.75
813966	14mm x 1.25
813967	14mm x 1.50



Part No. **323420**
6 pieces • 6 items
12028 plastic tray

813848 **813963** **813966**
813962 **813964** **813967**

Numbers in assortment

Actual "cutting" taps for drain pan repair.



UNIVERSAL THREAD REPAIR - COMBINATION INTERNAL/EXTERNAL

Part No. **813390**

PART NUMBER	CONTENTS	HEAVY DUTY SET METRIC	FRACTIONAL
813390	3 pc set	(1) External 4 - 19mm	5/32" - 3/4"
		(2) Internal 8 - 16mm	5/16" - 5/8"

Part No. **813393**

Mini Kit package size: 5-13/16" L, 4-1/16" W, 13/16" H

PART NUMBER	CONTENTS	ECONOMY SET (MINI KIT) METRIC	FRACTIONAL
813393	3 pc set	(1) External 4 - 13mm	5/32" - 1/2"
		(2) Internal 5 - 12mm	#12 - 1/2"

***Mini Kit - weight less than 1 lb.**

PSS052212.813390

Ideal for maintaining plumbing, construction, agriculture, car repair and many other applications where components have damaged threads. Compare the cost of disassembling the part in order to repair a component, with the instant repair performed by these thread restorers.

- Automatically adjust to any thread diameter & pitch.
- No prior measurement of threads.
- Use on left or righ handed threads.
- Use on both inch and metric.



Part No. **813390**



Part No. **813393**

EXTERNAL BOLT RETHREADING TOOL

- Quickly adjusts to any diameter.
- Blades automatically adapt to any thread pitch.
- Will adjust themselves into the thread grooves.
- Can be used on L/H or R/H threads.
- Can be used on metric/standard threads.
- Use in truck & tractor garages
- Industrial maintenance in all industries, energy industries, shipyard, marine and offshore users.

PART NUMBER	ADJUSTMENT MINIMUM	MAXIMUM
813785	5/32" - 3/4"	4mm - 19mm
813758	11/16" - 1-1/2"	17mm - 38mm

PSS110717.813755-58.85.813386



Replaces Many Dies



813386
shown here

TYPICAL EXAMPLES OF USE:









KITS AVAILABLE

2PC External Bolt Rethreading Tool Kit
Diameter range:
between 5/32"- 1-1/2" (4 mm - 38 mm)
for Automotive and Industrial.
Part No. **813755**

8PC External Bolt Rethreading Tool Kit
Diameter range:
between 5/32"- 6" (4 mm - 152 mm)
for Automotive and Industrial.
Part No. **813386**

THREAD REPAIR TOOLS and EXTRACTORS

INTERNAL THREAD RESTORERS

PSS111116. 813374-77.83

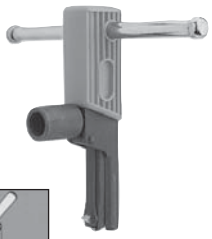
- Quickly adjusts to any thread diameter and pitch within the size range of the tool.
- A major advantage over taps is the ability to enter below the first damaged grooves, often at the bottom of the thread, and work in a outward direction.
- Applicable to all kinds of thread: inch, metric right-hand or left-hand, fine or coarse.
- The blade, made of high speed steel (62RC), is guided by the existing undamaged thread to regroove the damaged section.

Replaces Many Taps

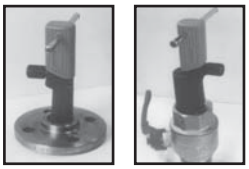
TYPICAL EXAMPLES OF USE:



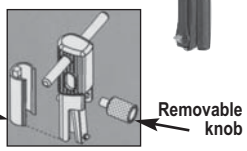
PART NUMBER	ADJUSTMENT I.D. RANGE INCH	MM	PIPES BSP/NPT
813374	5/16 - 7/16	8mm - 11mm	1/16 - 3/16
813375	1/2 - 5/8	12mm - 16mm	1/4 - 3/8
813376	11/16 - 13/16	16mm - 20mm	3/8 - 1/2
813377	7/8 - 1-1/4	22mm - 32mm	1/2 - 7/8







Fastener Internal Thread Repair Kit
Diameter range:
between 5/16"- 13/16" (8 mm - 20 mm)
for Automotive and Industrial.
Part No. 813383

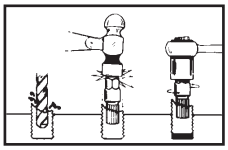


SUPER OUT Bolt and Screw Extractors



- Made of a special, hardened, shock-resistant tool steel.
- Works on both left and right hand threads.
- Cuts straight into bolts, eliminating wedging.
- Cuts straight into bolts, eliminating wedging.
- Five sizes remove 1/4" to 5/8" bolts and screws.

Part No. 113224 5 piece set, packed in a protective case



SUPREME EXTRACTORS

Double edge engagement with the fastener for a non-slip grip • Saves expensive components



- Universal - remove right or left handed thread.
- May be used clockwise or counter clockwise.
- Unique tapered flute style.
- Hex drive shaft - easily attaches to an adjustable, box or socket wrench for added torque.
- 4 cutting facets - each facet has a double edge.
- Won't damage threads.
- Special tempered CrV steel with a hardened center punch for increased drilling accuracy.
- Damaged free removal of broken screws & bolts.

Part No. 213750
(shown here)

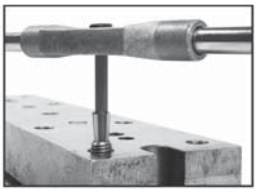


SMP100412

PART NUMBER	SIZE	DESCRIPTION	A/F INCH	DRILL DIA. INCH MIN	DRILL DIA. INCH MAX	SCREW SIZES INCH MIN	SCREW SIZES INCH MAX
213751	1	Screw Extractor	1/4	1/8	3/16	3/16	1/4
213752	2	Screw Extractor	3/8	3/16	9/32	5/16	3/8
213753	3	Screw Extractor	1/2	1/4	3/8	7/16	1/2
213754	4	Screw Extractor	5/8	11/32	1/2	1/2	9/16
213755	5	Screw Extractor	3/4	7/16	5/8	5/8	3/4
213750	1-5	Screw extractor 5 pc. set in vinyl pouch					

INSTRUCTIONS

- Choose the proper size by placing it over the damaged bolt or stripped screw.
- Hit with a hammer to engage the center punch.
- Using a drill, make a small hole.
- When finished, reseat the Supreme Extractor over the damaged component.
- Now you are ready to remove the damaged bolt or screw.
- If added torque is necessary, attach a wrench to back out the screw.



Setting the extractor with a tap wrench

BROKEN BOLT REMOVER COMBO - TYPE 420-AL

Left hand drill combined with spiral style screw extractor is ideal for removing broken studs.



(Carded)

PART NUMBER	EXTRACTOR SIZE	DRILL SIZE
213756	EX-1	3/32 LH drill
213757	EX-2	1/8 LH drill
213758	EX-3	3/16 LH drill
213759	EX-4	1/4 LH drill
213760	EX-5	5/16 LH drill

PSS040417

SCREW & PIPE EXTRACTORS HI-CARBON STEEL - SPIRAL STYLE

To remove the broken threaded part: drill a hole in the end of the broken part (left hand spiral heavy duty drills are recommended for this drilling operation), insert extractor, then turn counterclockwise using a wrench on the exposed end of the extractor.



PSS040417

PART NUMBER	SCREW & PIPE EXTRACTORS TYPE	DESCRIPTION
213761	420 & 190-AL	**10 pc. set w/drills**
		EX-1, 2, 3, 4 & 5 + 3/32,
		1/8, 3/16, 1/4 & 5/16
213762	420	**4 pc. set**
		EX-2, 3, 4 & 5
213763	420	**5 pc. set**
		EX-1, 2, 3, 4 & 5
213764	420 & 190-AL	**8 pc. set w/drills**
		EX-1, 2, 3 & 4 + 3/32,
		1/8, 3/16 & 1/4

EXTRACTORS

X-OUT™ Damaged Screw Remover *Industrial Series*

When a screwdriver can't remove the screw, use *X-OUT™*

PSS111016.213174

Have you damaged or rounded off the head of a screw when inserting or removing them? *X-Out™* is designed to remove such a problem screw. It plows onto the head of the screw and turns the screw out with the power of the hand drill.

- Constructed of M-2 high quality tool steel.
- Remove damaged screws fast & easy.
- Time savings - no hole drilling required.
- Save money on unnecessary repair.
- Used on Phillips, Slotted, Torx, Robinson, Oneway screws, etc.
- Removes screw sizes #6 thru #14.
- Reusable time and time again.
- Chemical and gunk free.



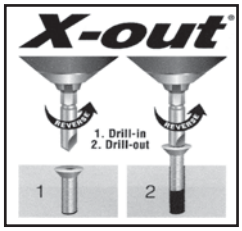
Part No. 213714
3 bit set with case

PROUDLY MADE IN THE USA

COMPATIBLE WITH QUICK CONNECT CHUCK SYSTEMS.

SUGGESTED APPLICATION:

- Chuck the **X-Out™** into standard 3/8 inch variable speed power drill, set for reverse mode. For faster results use a standard 1/4" quick bit holder (not provided).
- Place the tip of the **X-Out™** onto the center of the damaged fastener. Apply firm pressure in the direction of the damaged screw or fastener. Power the drill to the lowest level possible. Maintain a firm pressure towards the screw or fastener. The screw will begin to turn out.



proGRABIT® Broken Bolt & Damaged Screw Remover *Industrial Series*

ProGrabit is a drill and extractor in one tool that removes screws or bolts with any type of damaged head, from any material. No more guesswork in matching drill size with extractor, as with manual tools. ProGrabit's quick connect chuck capability increases its ease of use. Simply drill, then flip and extract.

PSS111016.213707

- Serrated edges bite into damaged screws without slipping.
- Drills into Grade 8 or 10.9 class bolts.
- Self-centering, tip prevents "walking" or "wandering".
- Overcomes even rusted screws, free spinning screws and screws up to 4" long.



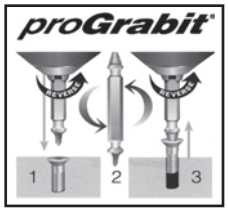






Part No. 213707
4 bit set with case

TYPICAL APPLICATIONS
● **Automotive** ● **Home building/remodeling/restoration**
● **Furniture restoration** ● **General maintenance** ● **Small engine repair**



DRILL-OUT® POWER EXTRACTORS *Industrial Series*

A unique removal tool that is a drill and extractor in one!

PSS110916.213604.705

- Removes broken bolts, screws and studs in a fraction of the time.
- Left hand drill bit* often loosens bolts while drilling.
- Self-centering drill point for fast accurate drilling.
- Efficient design making it fast, reliable and reusable.
- Heat treated high-speed steel drills Grade 8 fasteners.

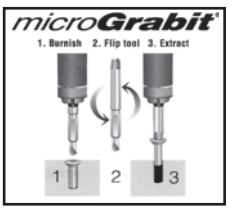
EASY TIME SAVING OPERATION!

DRILL-OUT® Micro Power Extractor

Use on small size fasteners, often found in electrical and aviation applications, and motorcycle repair.



Removes #5, #6, #8, #10, #12, and 1/4" sizes and 3mm, 4mm, 5mm and 6mm sizes.





Part No. 213705
4 piece set with case

DRILL-OUT® Power Extractor

Use on common size fasteners, up to and including Grade 8, Class 10.9 steel and stainless steel.



Removes 1/4", 5/16", 3/8" and 1/2" sizes and 6mm, 8mm, 10mm and 12mm sizes.





Part No. 213604
4 piece set with case

*** Designed to be used in a variable speed drill, set in reverse.**

CARBIDE BURS and HACKSAW BLADES

CARBIDE BURS (Rotary Files)

Used in maintenance operations , foundries, manufacturing, aircraft industry, pattern shops. Removes heavy stock welds, excess metal, deburrs, smooths and finishes. Elongates holes and slots.

- Ideal for hard to reach areas.
- Outlasts steel burs 100 times longer.
- Saves money - less changing of burs.
- Highly recommended for long production runs.
- Works on all types of materials, hard or soft, equally well.
- Used with flexible shaft or stationary shaft machines, portable electric or air tools.
- Double cut design — allows rapid stock removal, and can be run at slower than normal speeds.
- Carbide bur brazed on steel shanks.
- Average RPM's 23, 400 depending on style and diameter.

CYLINDER "A"



HEAD DIA. X LENGTH	PART NUMBER	SHANK DIA.
1/4 x 1/2	**814600**	1/8
1/4 x 5/8	**814601***	1/4
3/8 x 3/4	**814602***	1/4
1/2 x 1	**814603***	1/4
5/8 x 1	**814604**	1/4

CYLINDER W/BALL NOSE "C"



HEAD DIA. X LENGTH	PART NUMBER	SHANK DIA.
1/4 x 5/8	**814605***	1/4
3/8 x 3/4	**814606***	1/4
1/2 x 1	**814607***	1/4

BALL SHAPE "D"



HEAD DIA. X LENGTH	PART NUMBER	SHANK DIA.
1/4 x 1/2	**814608**	1/8
1/4 x 1/4	**814609**	1/4
5/16 x 5/16	**814610**	1/4
1/2 x 1/2	**814611**	1/4

EGG SHAPE "E"



HEAD DIA. X LENGTH	PART NUMBER	SHANK DIA.
1/4 x 3/8	**814612**	1/4
3/8 x 5/8	**814613**	1/4

– ASSORTMENT AVAILABLE–



9 Pieces Packed In A Metal Index

Part No. **814005**

*** Included in assortment.**

ROUND TREE SHAPE "F"



HEAD DIA. X LENGTH	PART NUMBER	SHANK DIA.
1/4 x 1/2	**814615**	1/8
1/4 x 5/8	**814616***	1/4
3/8 x 3/4	**814617***	1/4
1/2 x 1	**814618***	1/4

POINTED TREE SHAPE "G"



HEAD DIA. X LENGTH	PART NUMBER	SHANK DIA.
1/4 x 1/2	**814619**	1/8
1/4 x 5/8	**814620**	1/4
3/8 x 3/4	**814621**	1/4
1/2 x 1	**814622**	1/4

14° INCLUDED ANGLE "L"



HEAD DIA. X LENGTH	PART NUMBER	SHANK DIA.
1/4 x 5/8	**814624**	1/4
3/8 x 1-1/16	**814625**	1/4
1/2 x 1-1/8	**814626**	1/4

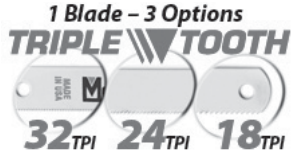
CONE SHAPE "M"



HEAD DIA. X LENGTH	PART NUMBER	SHANK DIA.	INCL. ANGLE
1/4 x 1/2	**814627**	1/8	22°
1/4 x 3/4	**814628**	1/4	14°
1/2 x 7/8	**814629**	1/4	28°

TRIPLETOOTH™ HACKSAW BLADES

ONE BLADE DOES IT ALL



32TPI
Gets the cut started…

24TPI
Allows for more aggressive strokes and…

18TPI
Completes the cutting stroke…

Designed for a Variety of Cutting Applications
It's unique construction eliminates the need for three different blades.
CUT THICK, THIN, HARD OR SOFT MATERIALS

PSS012510



PROUDLY MADE IN THE USA

Part No. **113333** 10

USE ON THE FOLLOWING:

- **Conduit**
- **Stainless Steel**
- **Angle Iron**
- **Copper Tubing**
- **Structural Material**
- **Machinable Metal**
- **Plastics**
- **Wood**
- **And more…**

- Unique tooth design combines 3 different cutting edges in one 12 inch blade.
- 3 popular tooth configurations, 18, 24 & 32 teeth per inch together.
- Bi-Metal construction with 8% cobalt alloy resists heat build up to keep the teeth sharp.
- Provides straight, accurate cuts and resists walking or slipping, unlike other hacksaw blades.

The NEW 18/24/32 TRIPLE TOOTH™ Hacksaw Blade
It's like having three blades in one

Lead off with 32tpi, 24tpi in the middle, and the 18tpi finishes the cut. Depending on the material...you have the option of isolating one section of the blade or utilizing maximum cutting efficiency with all three.

HACKSAW FRAMES and SAW BLADES

LOW PROFILE HACKSAW FRAME

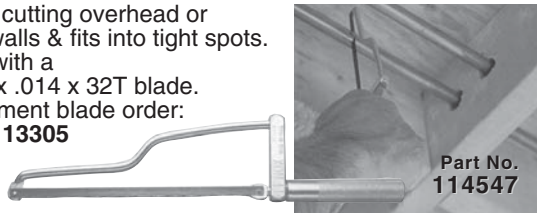
- Frame has 4" pipe clearance combined with sloped front for access in tight work spaces.
- 1-piece I-beam construction and high-tension design for strength and durability.
- Contoured handle for cutting comfort.
- Comes with 18 TPI blade.
- Lever tension control.



Part No. **113311**

CLOSE QUARTER HACKSAW FRAME

- Ideal for cutting overhead or behind walls & fits into tight spots.
- Comes with a 6 x 3/4" x .014 x 32T blade.
- Replacement blade order: Part No. **113305**



STANDARD HACKSAW FRAME

- For tight spots and through holes.
- Cuts flush - Die cast handle.
- Baked enamel finish.



Part No. **11374**

HIGH TENSION HACKSAW FRAME

- Lightweight with lever tension control.
- Storage in head for 10 Super-Flex II blades.
- Tightens blade to 30,000 PSI toprevent twisting.
- Used as a jab & compass saw.
- Easy starting & fast cutting.
- Soft front end grip.



D10C

MINI HACKSAW FRAME

- Versatile - cuts bolts, pipe, tubing, conduit, sheet metal, wire, cable, fiberboard & plastic.
- Designed for hard to reach areas.
- Rugged heavy duty aluminum handle.
- Comes with 10" bi-metal blade.
- Replacement blades available in 12".

Part No. **113312**

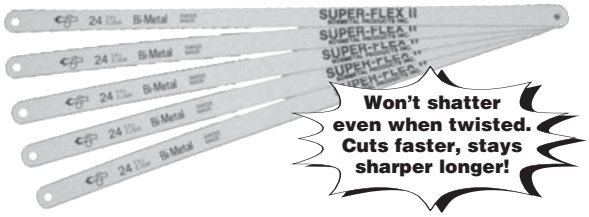


SUPER-FLEX II HACKSAW BLADES

The world's toughest high speed bi-metal steel blade.
• Shatterproof • Flexible • Made in U.S.A.

PSS110716.113301-303

- Bi-metal alloy steel, is spring tempered, to eliminate snapping and shattering.
- Made from super hard, high speed steel, giving it the edge in cutting steel, plastic, wood, etc.
- Electron-Beam welding fuses the Hi-speed cutting edge and the Flex back together. This process provides a blade life longer than any other blade made.





SHOP ASSORTMENT
Part No. **501622**
31 pieces • 4 items
12090 steel tray

113301	113303
113302	113310

Numbers in assortment

TOOL BOX ASSORTMENT
Part No. **113304**
15 pieces • 3 items

113301	113302	113303

Numbers in assortment

PART NUMBER	SIZE INCHES	TEETH PER INCH	MATERIAL THICKNESS	QTY
113301	12	18	Over 3/16	10
113302	12	24	1/16 to 3/16	10
113303	12	32	Thin sheet up to 1/16	10

TOOTH SELECTION:
To select proper pitch (Teeth per inch), three teeth minimum must be in contact with the work at all times.

The only hacksaw blade backed by a Lifetime Guarantee. Should this blade shatter under any conditions, we will replace it FREE.

GRIT-EDGE 12" ROD SAW BLADE

The blade with the cutting edge. Easily cuts ceramic tile, fiberglass, slate, hardened tool steel, marble, glass, cast iron, stranded cable, fiber reinforced cement, composites.



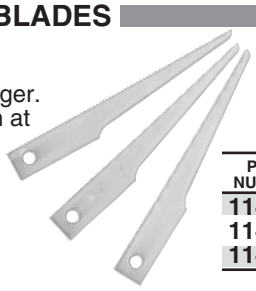
- Cuts materials that other blades can't even scratch.
- Tungsten carbide chips permanently bonded to alloy steel rod.
- Cuts in any direction.
- Outperforms ordinary blades.
- Super tough cutting edge - no teeth to dull, blunt, chip or break.
- Fits standard hacksaw frames.



Part No. **812116**

AIR SAW BLADES

- Bi-metal alloy steel is spring tempered to eliminate snapping and shattering. Virtually unbreakable.
- Matrix edge of 8% cobalt - withstands more heat and lasts longer.
- Tooth RC hardness ranges from 66-68 which allows operation at high speeds of 5,000 to 10,000 strokes per minute.
- Fits Snap-On #AT-190, Mac Tools, Florida Pneumatic, Husky #H4995, Chicago Pneumatic #CP-880 & CP-881, Devilbiss #ATP50, and Ingersoll Rand #IR429.
- Blades cut straight and curved surfaces including pipe, steel (up to 22 gauge), aluminum, fiberglass and plastic.



Used in body shop repair, muffler and exhaust work and sun roof installation.

PART NUMBER	LENGTH INCHES	WIDTH INCHES	TK	TEETH PER INCH	QTY
114501	4	1/2	.025	18	5
114502	4	1/2	.025	24	5
114503	4	1/2	.025	32	5

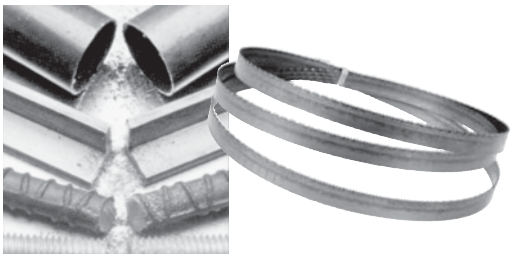
SAW BLADES

PORTABLE BANDSAW BLADES - MATRIX II High Speed Bi-Metal Blades

Fast Cutting – Long Lasting – Shock Resistant.
Out performs carbon blades Ten to One!

- Electron-Beam welded Matrix cutting edge to alloy shock resistant back, provides maximum durability.
- Made from cobalt alloy to tackle the most demanding cutting job.
- Matrix cutting edge resists heat in excess of 1000°F.
- Two sizes fit virtually all portable bandsaws made.





PORTABLE BANDSAW MACHINE LISTING

BRAND NAME	MODEL NUMBERS	BLADE SIZE LENGTH	WIDTH	THICKNESS
Milwaukee	6230, 6225, 6226	3' 8-7/8	1/2	.020
Porter Cable	721, 724, 725, 726, 736,	3' 8-7/8	1/2	.020
	728	4' 5-3/4	1/2	.020
Greenlee	530	3' 8-7/8	1/2	.020
	521, 531	4' 5-3/4	1/2	.020
Rigid	941, 942, 943	3' 8-7/8	1/2	.020
	944	4' 5-3/4	1/2	.020
Black & Decker	3122, 3123	3' 8-7/8	1/2	.020

PART NUMBER	LENGTH	BLADE SIZE WIDTH	THICKNESS	TEETH PER INCH
113464	3' 8-7/8	1/2	.020	10
113465	3' 8-7/8	1/2	.020	14
113466	3' 8-7/8	1/2	.020	18
113467	4' 5-3/4	1/2	.020	10
113468	4' 5-3/4	1/2	.020	14
113469	4' 5-3/4	1/2	.020	18

STATIONARY BANDSAW BLADES AVAILABLE THROUGH THE SPECIAL ORDER DEPT.

CARBON FLEXBACK BAND SAW BLADES

Cutting wood, plastics, aluminum and mild steel.

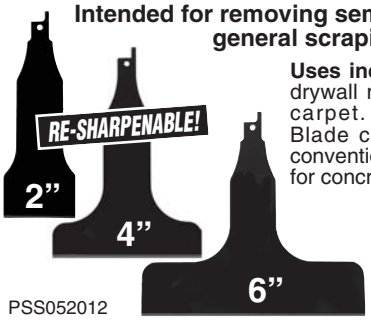
- Made from carbon steel.
- Two thicknesses
- Withstands heat up to to 800°F.
- General purpose blade.
- Ideal for plant maintenance.
- Standard raker style tooth.



PART NUMBER	LENGTH	BLADE SIZE WIDTH	THICKNESS	TEETH PER INCH	MACHINE LISTING
113473	5' 4-1/2	1/2	.025	10	Rigid 945
113474	5' 4-1/2	1/2	.025	14	Rigid 945
113477	5' 4-1/2	1/2	.025	18	Rigid 945

"POWER SCRAPER"

Attaches easily to all brands of reciprocating saws.
Intended for removing semi-tough materials and general scraping needs.



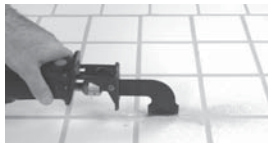
Uses include: Linoleum, tough glue, drywall mud, paint, and rubber-back carpet. Made from carbon steel. Blade can be sharpened with any conventional sharpener. Not intended for concrete demolition.

PART NUMBER	BLADE WIDTH INCHES
114568	2
114569	4
114570	6

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"GROUT-OUT" POWER GROUT REMOVAL TOOL

- Made from carbon steel with a carbide grit edge for maximum performance and control.
- Attaches easily to all brands of reciprocating saws.
- Remove any type of grout including urethane and epoxy.





PART NUMBER	JOINT SIZE INCHES
114571	1/16 - 3/16
114572	3/16 - 3/4

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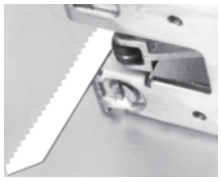
JIG SAW / SABER SAW BLADES

Fits: Skil, Milwaukee, B & D, Stanley, Craftsman, and most U.S. and Foreign made jig saws.

- Bi-metal blades.
- Shatterproof.
- Tough...sharp.
- Made in the U.S.A.







PART NUMBER	LENGTH x WIDTH x THICK. INCH	TEETH PER INCH	RECOMMENDED USE
113438	3-5/8 x 3/8 x .037	14	Steel & non-ferrous 1/8" up, plastic, asbestos, hard rubber, fiber
113439	3-5/8 x 3/8 x .037	18	Metal, 18 gauge to 1/8"
113440	3-5/8 x 3/8 x .037	24	Metal 18 gauge & under
113441	4 x 5/16 x .050	6	Wood, plastic, composite material, fast cutting
114496	4 x 5/16 x .050	10	Wood, very smooth/clean cut
114499*	4 x 5/16 x .050	10	Formica, laminate, plastic, chip free down cutting
114497	4-1/2 x 3/8 x .050	6	Wood, fast cut, rough cut
114498	4-1/2 x 3/8 x .050	10	Wood, nail-embedded

All blades are packed 2. *Not included in assortments.



TOOL BOX ASSORTMENT
Part No. 113442
7 piece set
Packed in a plastic pouch.
Numbers in assortment



SHOP ASSORTMENT
Part No. 501624
35 pieces • 7 items
12116 steel tray

113438	**113441**	**114498**
113439	**114496**	
113440	**114497**	

Numbers in assortment

SAW BLADES

RECIPROCATING SAW BLADES (SAWZALL)

Fits: Most U.S. and Foreign made saws.

PART NUMBER	L x W x T INCH	TEETH PER INCH	SHAPE	RECOMMENDED USE
114475†	6 x 3/4 x .050	6		Plaster, plaster board
114476	6 x 3/4 x .050	6		Rough work in wood*, fast cutting
114477	12 x 3/4 x .050	6		used in remolding and demolition work
114478	6 x 3/4 x .035	6		Wood*, all composition material
114479	6 x 3/4 x .035	10		Wood*, compositions, plastic, cast aluminum & non-ferrous metals
114480	12 x 3/4 x .050	10/ 14		All woods*, plastic cast aluminum &
114481	4 x 3/4 x .035	14		Heavy gauge metal 1/4-1/2, 6-13mm
113430	6 x 3/4 x .035	14		Hard rubber, fiber & angle iron
114482	4 x 3/4 x .035	18		Heavy gauge metal 1/8-1/4, 3.2-6mm
113431	6 x 3/4 x .035	18		Conduit & tubing, opening wood crates*, removing wood siding or shingles.
113432	6 x 3/4 x .035	24		Metal & galvanized pipe 18 gauge & under

FEATURES

- Bi-metal construction.
- Matrix II type alloy high speed steel cutting edge (8% cobalt edge).
- Tooth hardness Rc 65-66.
- Precision teeth.

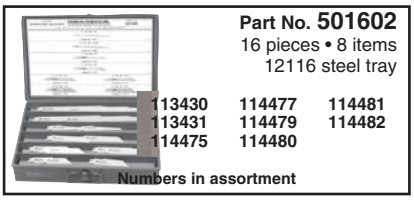
BENEFITS

- Cuts tough materials including nail-embedded wood.
- Longer life.
- Retains tooth sharpness longer.
- Increases productivity.
- Faster cutting.

ADVANTAGES

- Shatterproof.
- Shock resistant teeth.
- High wear resistance.
- High heat resistance.





†V-tooth 60° angle. ***Including nail-embedded wood.**

All reciprocating saw blades are packed 5.

MASTER-GRIT® RECIPROCATING BLADES

Specially designed for abrasives.

- Master-Grit® tungsten carbide grit edge looks different from regular blades because it is different. It is specially designed for cutting tough abrasives like fiberglass, granite, cement, plywood, cast iron, and the list goes on.
- Recommended use: cast iron, fiberglass, ceramic wall tile, clay pipe, stone, brick, plaster, marble.



PART NUMBER	LENGTH x WIDTH x THICK. INCH	QTY
114530	6 x 3/4 x .032	2
114531	8 x 3/4 x .040	2
114532	10 x 3/4 x .050	2

CARBIDE TIPPED RECIPROCATING BLADES

For materials that eat up other carbide blades.

- These blades last 10 times longer than standard bi-metal blades in the applications listed.
- Triple-chip ground teeth provide 25% faster cutting than standard carbide blades.
- Use on fiberglass, cement board, particle board, plywood, pressure-treated wood, abrasive plastics, rubber, cast aluminum, composite, GasBrick, all hard woods.



PART NUMBER	LENGTH x WIDTH x THICK. INCH	CUTS	DESCRIPTION	TEETH PER INCH	QTY
114535	6 x 3/4 x .050	Curves/Contours	Contour Back	6	1
114536	6 x 3/4 x .050	Straight	Straight Back	6	1
114537	8 x 3/4 x .050	Straight	Straight Back	3	1

HEAVY DUTY RECIPROCATING SAW BLADES

44% thicker than standard blades.

- More rugged and durable in tough, metal cutting applications.
- Blades won't whip from side to side.
- Blades won't fail from tooth chippage.

PART NUMBER	L x W x T INCH	TEETH PER INCH	SHAPE	RECOMMENDED USE
114483	6 x 3/4 x .050	10/ 14		Heavy gauge metal 3/16"-3/4" / 5-20mm, inc. rescue operations
114487	8 x 3/4 x .050	10/ 14		Heavy gauge metal 3/16"-3/4" / 5-20mm

All heavy duty reciprocating saw blades are packed 2.

DEMOLITION RECIPROCATING SAW BLADES

77% thicker than standard blades.

- For fire / rescue, demo and rehab work.
- Edge material from M-2 high speed steel.
- No side to side whipping.
- Cuts through angle iron, nail-embedded wood, and metal pipe - all at the same time.
- Bi-metal blade cuts stronger, faster and longer than others.

PART NUMBER	L x W x T INCH	TEETH PER INCH	SHAPE
114525	6 x 7/8 x .062	6	
114526	9 x 7/8 x .062	6	
114527	9 x 7/8 x .062	10/ 14	
114528	12 x 7/8 x .062	6	



All demolition saw blades are packed 2 per pack.

SAW BLADES

FIRE & RESCUE RECIPROCATING SAW BLADES

When seconds count and lives are on the line, only the best will do!
These are the blades preferred by professional firefighters.

- Wavy set reduces pinching during cuts.
- .062" blades thickness for little or no bending.
- Available in 6", 9" and 12" lengths.
- Bi-metal construction with a long lasting cutting edge.
- Thicker than most, significantly outlast & outperforms standard blades.
- Cuts smoothly through a variety of materials, without binding.
- Won't vibrate or whip from side to side.
- Use for fire & rescue, demolition, & non-ferrous metals.



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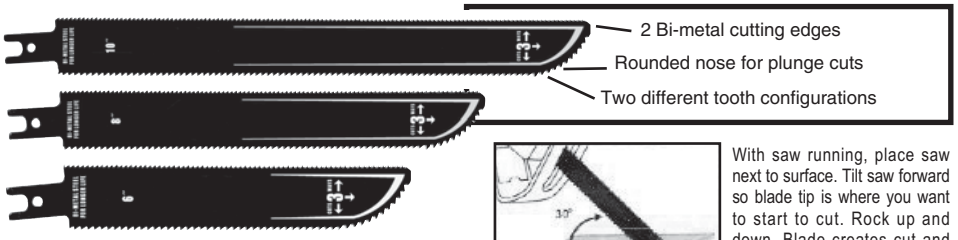
PART NUMBER	PACKAGE QUANTITY	LENGTH / TPI
114460	3 pk.	6" 10 TPI
114461	20 pk.	6" 10 TPI
114462	3 pk.	9" 10 TPI
114463	20 pk.	9" 10 TPI
114464	3 pk.	12" 10 TPI
114465	20 pk.	12" 10 TPI

PART NUMBER	PACKAGE QUANTITY	LENGTH / TPI
114220	3 pk.	6" 14 TPI
114221	20 pk.	6" 14 TPI
114222	3 pk.	9" 14 TPI
114223	20 pk.	9" 14 TPI
114224	3 pk.	12" 14 TPI

TRIPLE EDGE RECIPROCATING SAW BLADES

The ONLY blade that cuts in either direction without turning over the saw!

- Bi-metal steel for longer life.
- Teeth on opposing edges for two-way cutting.
- Rounded tip prevents kickback.
- Saves time in changing blades.
- Plunge cuts - no pre-drilling.
- Fits most reciprocating saws.
- Back & forth cutting - without turning the saw.
- Cuts wood, sheet metal, MDF, plastic and steel pipe.
- Two pronged tang for stability and control.

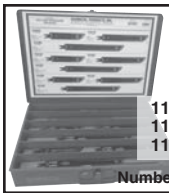


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With saw running, place saw next to surface. Tilt saw forward so blade tip is where you want to start to cut. Rock up and down, Blade creates cut and plunges through material.

PART NUMBER	LENGTH	TEETH PER INCH	PKG QTY
114562	6"	7 x 7	5
114563	8"	7 x 7	5
114564	10"	7 x 7	5
114565	6"	7 x 10	5
114566	8"	7 x 10	5
114567	10"	7 x 10	5
114534	6"	10 x 14	5
114538	8"	10 x 14	5
114539	10"	10 x 14	5

TRIPLE EDGE RECIPROCATING SAW BLADE ASSORTMENT



Part No. 501823
18 pieces • 9 items
12116 steel tray

114534	114562	114565
114538	114563	114566
114539	114564	114567

Numbers in assortment

FIRE & RESCUE and TRIPLE EDGE RECIPROCATING SAW BLADE ASSORTMENT



Part No. 501765
18 pieces • 6 items
12116 steel tray

114460	114464	114538
114462	114534	114539

Numbers in assortment

LAZER RECIPROCATING SAW BLADES



- Lasts 45% longer than the leading competitor's blade.
- Greater strength and durability. Unique blade geometry reinforces traditional weak areas, creating stronger and more durable blades.



- Shatter resistant Bi-metal blades bend and resist breaking & extend blade life.
- Optimized performance Thicker (.042) and wider (1") blades minimize whipping for straighter and smoother cuts.
- Cobalt cutting edge Is electron beam welded to bi-metal backer for greater wear resistance and longer life.

For heavy metal cutting.

PART NUMBER	L x W x THK	TEETH PER INCH	RECOMMENDED USE
114550	6 x 1 x .042	8	Angle iron, steel pipe to 3/16
114551	6 x 1 x .042	10	Rebar, steel rod, black pipe to 3/16-1/2
114552	6 x 1 x .042	14	Steel rod, black pipe to 3/32-3/8
114553	6 x 1 x .042	18	Copper pipe, black pipe to 1/16-1/4
114554	9 x 1 x .042	8	Angle iron, steel pipe to 3/16
114555	9 x 1 x .042	10	Rebar, steel rod, black pipe to 3/16-1/2
114556	9 x 1 x .042	14	Steel rod, black pipe to 3/32-3/8
114557	9 x 1 x .042	18	Copper pipe, black pipe to 1/16-1/4
114558	12 x 1 x .042	8	Angle iron, steel pipe to 3/16
114559	12 x 1 x .042	10	Rebar, steel rod, black pipe to 3/16-1/2
114560	12 x 1 x .042	14	Steel rod, black pipe to 3/32-3/8
114561	12 x 1 x .042	18	Copper pipe, black pipe to 1/16-1/4

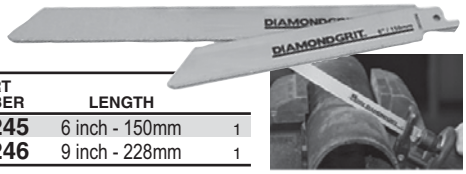
All Lazer blades are packed 2 per pack.

SAW BLADES

DIAMONDGRIT™ RECIPROCATING BLADES

- Straight cutting 1" wide durable body for straight cuts.
- Long lasting industrial diamond grit brazed to alloy body.
- Fast cutting narrow kerf design with sharp angular diamond grit edges.
- Recommended use: granite, cement board, cast iron, fiberglass, ceramic tile, architectural stone, brick, laminate flooring.

Long Life & Fast Cutting



PART NUMBER	LENGTH	
114245	6 inch - 150mm	1
114246	9 inch - 228mm	1

BOLT RECIPROCATING SAW BLADES

Cuts lightning fast. The patent pending design excels in applications of small solids and structural shapes.

- Bi-metal construction provides a long cutting life, along with being heat and wear resistant.
- .035" (0.90mm) thick blades for flexibility in tight spaces.
- Variable tooth pitches provide smooth cutting action.
- Reinforced, positive rake tooth design provides fast cutting with impact resistant teeth.

PART NUMBER	LENGTH	WIDTH	TEETH PER INCH	THKS	PKG QTY
114226	6"	3/4"	11/15	.035	5
114227	9"	3/4"	11/15	.035	5
114228	12"	3/4"	11/15	.035	5

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PROUDLY MADE IN THE USA

RENOVATOR RECIPROCATING SAW BLADES

The ultimate heavy duty, demolition / remodeling blade in the market. This blade cuts through wood and metals without leaving frayed or jagged cut edges, no need for additional finishing.

- Bi-metal construction provides a long cutting life, along with being heat and wear resistant.
- .062" (1.60mm) thick blades provides increased rigidity for more stable cutting in wider cuts.
- 1" (25mm) wide blades offers more beam strength.
- Tapered blade only, which is best for plunge cutting.
- Variable tooth pitch provides fast cutting with a smooth cut finish.
- Reinforced tooth design has a high impact resistant teeth.

PART NUMBER	LENGTH	WIDTH	TEETH PER INCH	THKS	PKG QTY
114247	6"	1"	8/11	.062	3
114248	9"	1"	8/11	.062	3
114249	12"	1"	8/11	.062	3

PSS012016



PROUDLY MADE IN THE USA

SALVAGE RECIPROCATING SAW BLADES

Targeted for any automotive reclamation / recycling, but can also be used for other automotive modifications requiring metal cutting.

- Bi-metal construction provides a long cutting life, along with being heat and wear resistant.
- .035" (0.90mm) thick blades for flexibility in tight spaces, like cutting between body panels and getting under stripped/rusted fasteners.
- 3/4" (20mm) wide blades provide flexibility, which allows for cutting in hard-to-reach place that a cutting torch would otherwise create more damage.
- Straight & variable tooth pitch provides smooth cutting action.

PART NUMBER	LENGTH	WIDTH	TEETH PER INCH	THKS	PKG QTY
114277	6"	3/4"	14	.035	5
114278	8"	3/4"	14	.035	5
114279	12"	3/4"	14	.035	5

PSS012016



PROUDLY MADE IN THE USA

PVC/ABS PLASTIC PIPE HAND SAWS & BLADES

Breezes through any diameter of plastic pipe, wood, and even nail embedded wood.

- 2" wide blade.
- Hardened teeth.
- Lightweight heavy-duty aluminum handle.
- Rigid carbon steel blade.
- Large comfortable handgrip for maximum finger clearance even with gloves.



PART NUMBER	DESCRIPTION	TEETH PER INCH
114541	Handle & 18" Blade	10
114544	18" Replacement Blade	10



TRI-FOLD HAND SAW

Designed to cut: drywall, plaster, wood & metal.

- **Holds blades securely.**
- **Convenient blade storage** Safely fold blade into handle.
- **Compact design** Fits easily into pocket or tool box.
- **Replaceable blades** Uses any standard reciprocating saw blade 6" or smaller.
- **Rugged design** Heavy-duty aluminum handle has a comfortable hand grip.
- **Multi-purpose** Push button design locks blade into three different positions for multiple cutting applications.



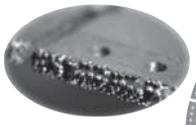
Part No.
114546

Includes:
(one) plaster &
(one) general purpose blade

SAW BLADES

DIAMONDX® CUTTER

New brazing compound along with exceptionally high grade diamonds greatly extend the life of the blade.





- For rigorous & continuous metal cutting.
- Size: 14" x .145 x 1-20mm
- 5400 Max RPM's.
- Long Lasting - 70 x's longer.
- Cuts carbon & mild steel, angle iron, cast iron, concrete, ductile iron, masonry, metal plate, non-ferrous metals, pipe, PVC, rebar, round & sectional tubing, metal studs, sheet metal and stainless steel.



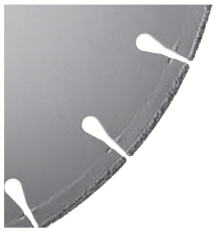
PSS112614

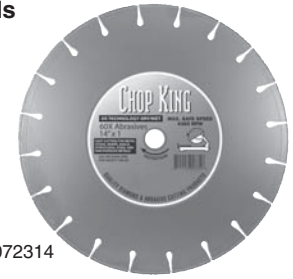
Part No. 815083

Use on high speed gas cut-off saws

DIAMONDX® CHOP SAW BLADE

High concentration of diamonds solidly bonded to a steel core.





PSS072314

- Size: 14" x .125 x 1
- 4365 Max RPM's.
- Long lasting - 60 x's longer.
- Cuts metal studs, rebar, angle, structural steel and non-ferrous materials.
- Cost savings - less down time & changeovers.
- Outperforms cut after cut, quickly & efficiently.

Part No. 815081

Use on low HP chop saws

THE ANATOMY OF THE METAL DEVIL™ CIRCULAR SAW BLADES

MORSE Gives You More of An Edge

The secret to the Morse Metal Devil's ability to quickly and smoothly cut through tough metals lies in it's unique combination on manufacturing quality, metallurgy and blade configuration. Teeth are arranged in varying numbers around a hardened steel inner plate. Each tooth is tipped with a unique combination of tungsten carbide and titanium carbide. These tips are brazed to the plate and arranged in a manner to assure longer life and smoother cutting action.

The unique metallurgy of the CARBIDE TIPS and hardened steel inner plate combined with the configuration of the teeth.

A FASTER WAY TO CUT... The **Morse Metal Devil™** cuts through steel, iron and aluminum with hardly any frictional drag. Consequently, the time savings are dramatic and important to anyone trying to get more done in less time.

CUT THROUGH SOLID STEEL PLATE IN LESS THAN 12 SECONDS... In laboratory tests the Morse Metal Devil™ cut through 6" x 1/4" thick steel plate in less than 12 seconds. This Devil is a speed demon!

A LONGER LASTING WAY TO CUT... The unique metallurgy of the carbide tips and hardened steel inner plate combined with the configuration of the teeth and manufacturing quality create a circular saw blade that makes more cuts per blade than any other blade you can attach to a power tool.

Metal Devil® Blades Are Carbide Tipped



The number of teeth on a blade depends on the diameter of the blade, the thickness and type of material being cut. Generally speaking, blades for cutting thinner materials require more teeth with smaller gullets between teeth.

Applications: Aluminum

PART NUMBER	ARBOR DIA.	BLADE DIA.	NO. OF TEETH
3,200 rpm			
900980	1 inch	9 inch	80
5,800 rpm			
972560	5/8 inch	7-1/4 inch	60
900754	20 mm	7 inch	54
900860	20 mm	8 inch	60

Applications: Steel

PART NUMBER	ARBOR DIA.	BLADE DIA.	NO. OF TEETH
1,800 rpm			
901472	1 inch	14 inch	66
3,200 rpm			
900948	1 inch	9 inch	48
5,800 rpm			
972550	5/8 inch	7-1/4 inch	50
900736	20 mm	7 inch	40
900850	20 mm	8 inch	50



CARBIDE TIPPED HOLE CUTTERS

CARBIDE TIPPED HOLE CUTTER SETS - MAGNUM SUPER PREMIUM

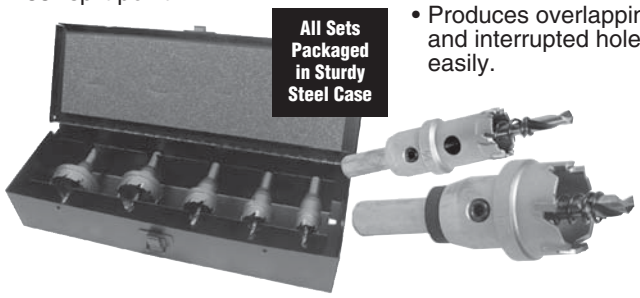
TYPE CHC-AG CUTS UP TO 3/16" THIN MATERIAL

PART NUMBER	KIT CONTAINS
113620	11/16, 13/16, 15/16, 1-1/16
113621	5/8, 3/4, 7/8, 1 inch
113622	7/8, 1-1/8, 1-3/8, 1-3/4, 2 inch

TYPE CHD-AG CUTS UP TO 1" THICK MATERIAL

PART NUMBER	KIT CONTAINS
114004	11/16, 13/16, 15/16, 1-1/16
114005	5/8, 3/4, 7/8, 1 inch
114006	7/8, 1-1/8, 1-3/8, 1-3/4, 2 inch

- 3-flatted shank for keyless chucks.
- 135° split point.
- Cuts 3 times faster than bi-metal hole saws.
- Produces overlapping and interrupted holes easily.



D10C

CARBIDE TIPPED TYPE CHC-AG HOLE CUTTERS MAGNUM SUPER PREMIUM

PART NUMBER	DIA. INCHES	SHANK DIA. INCHES
113617	9/16	3/8
113618	5/8	3/8
113619	11/16	3/8
113624	3/4	3/8
113625	13/16	3/8
113627	7/8	3/8
113628	15/16	3/8
113629	1	3/8
113632	1-1/16	3/8
113633	1-1/8	3/8
113636	1-3/16	3/8
113637	1-1/4	3/8
113638	1-5/16	3/8
113639	1-3/8	3/8
113640	1-7/16	3/8
113641	1-1/2	3/8
113642	1-9/16	3/8

PART NUMBER	DIA. INCHES	SHANK DIA. INCHES
113643	1-5/8	3/8
113644	1-11/16	3/8
113646	1-3/4	3/8
113647	1-13/16	3/8
113648	1-7/8	3/8
113690	1-15/16	3/8
113691	2	3/8
113692	2-1/16	3/8
113693	2-1/8	3/8
113694	2-3/16	3/8
113695	2-1/4	3/8
113696	2-5/16	3/8
113697	2-3/8	3/8
113698	2-7/16	3/8
113699	2-1/2	3/8
113729	2-9/16	3/8
113731	2-5/8	3/8

PART NUMBER	DIA. INCHES	SHANK DIA. INCHES
113732	2-11/16	1/2
113733	2-3/4	1/2
113734	2-13/16	1/2
113735	2-7/8	1/2
113739	2-15/16	1/2
113745	3	1/2
113802	3-1/4	1/2
113803	3-1/2	1/2
113824	3-3/4	1/2
113839	4	1/2
113861	4-1/4	1/2
113863	4-1/2	1/2
113876	4-3/4	1/2
113877	5	1/2
113878	Pilot Drill	
113879	Screw	
113880	Quick Release Spring	

- Cuts up to 3/16"
- **THIN MATERIAL.**



DEEPHOLE CARBIDE TIPPED TYPE CHD-AG HOLE CUTTERS MAGNUM SUPER PREMIUM

PART NUMBER	DIA. INCHES	SHANK DIA. INCHES
113881	9/16	3/8
113882	5/8	3/8
113883	11/16	3/8
113884	3/4	3/8
113885	13/16	3/8
113892	7/8	3/8
113893	15/16	3/8
113894	1	3/8
113898	1-1/16	3/8
113899	1-1/8	3/8
113999	1-3/16	3/8
114009	1-1/4	3/8
114010	1-5/16	3/8
114011	1-3/8	3/8
114012	1-7/16	3/8
114013	1-1/2	3/8
114014	1-9/16	3/8

PART NUMBER	DIA. INCHES	SHANK DIA. INCHES
114015	1-5/8	3/8
114016	1-11/16	3/8
114017	1-3/4	3/8
114018	1-13/16	3/8
114019	1-7/8	3/8
114130	1-15/16	3/8
114131	2	3/8
114132	2-1/16	3/8
114148	2-1/8	3/8
114149	2-3/16	3/8
114181	2-1/4	3/8
114182	2-5/16	3/8
114183	2-3/8	3/8
114184	2-7/16	3/8
114185	2-1/2	3/8
114186	2-9/16	3/8
114187	2-5/8	3/8

PART NUMBER	DIA. INCHES	SHANK DIA. INCHES
114188	2-11/16	1/2
114189	2-3/4	1/2
114190	2-13/16	1/2
114191	2-7/8	1/2
114192	2-15/16	1/2
114193	3	1/2
114194	3-1/4	1/2
114195	3-1/2	1/2
114196	3-3/4	1/2
114197	4	1/2
114198	4-1/4	1/2
114199	4-1/2	1/2
114211	4-3/4	1/2
114212	Pilot Drill	
113879	Screw	
114213	Quick Release Spring	

- Cuts up to 1"
- **THICK MATERIAL.**



CARBIDE TIPPED HOLE CUTTER - EXTENSIONS

PART NUMBER	BORE/ SHANK	DIA.	OVERALL LENGTH	EXT. LENGTH
114007	3/8	7/8	6-1/4	5
114008	1/2	7/8	6-1/4	5



- Includes allen wrench for CHC-AG & CHD-AG hole cutters only.

D SECTION
TOOLS & SHOP SUPPLIES













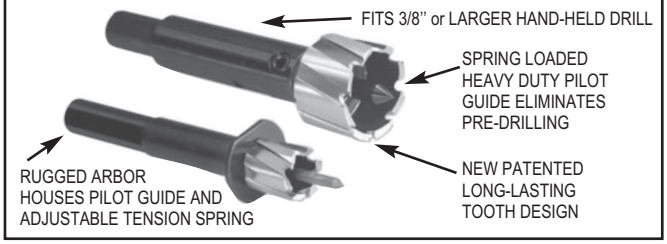
ROTABROACH® CUTTERS

ROTABROACH® CUTTERS

Body shops, frame straighteners, rustproofers and undercoaters find using *ROTABROACH® CUTTERS* is the best, fastest way to cut holes in steel, sheet metal, wood and plastic.
A spring-loaded pilot guide in arbors eliminates predrilling. The cutters are designed to prevent chip clogging.

- Heavy duty hole cutter.
- Revolutionary patented step-tooth design for longer cutter life.
- Super-fast, rugged.
- 3x's faster and last 10x's longer than twist drills or holesaws.
- No deforming of stock.
- No jagged edges.
- No out of round holes.

HEAVY DUTY USE: For sheet metal & materials up to 1/2'' - thick.



INDIVIDUAL CUTTERS



Use Arbor,
Part No. 113026

PART NUMBER	DIA. INCHES	DECIMAL EQUIVALENT
113489	1/4	.2500
113490	5/16	.3125

Use Arbor,
Part No.'s 113026 or 113027

PART NUMBER	DIA. INCHES	DECIMAL EQUIVALENT
113491	3/8	.3750
113492	7/16	.4375
113493	1/2	.5000
113494	9/16	.5625
113495	5/8	.6250
113496	3/4	.7500

ARBORS

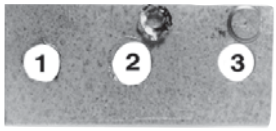


ARBOR with Pilot Pin
For 1/4" to 3/4" (6mm-20mm) Cutters
Use Part No. 113026



ARBOR with Skip-Proof Pilot
For 3/8" to 3/4" (10mm-20mm) Cutters
Use Part No. 113027

Quality Shows...



NO deforming of stock, jagged edges or out of round holes
1. New Twist Drill
2. New Hole Saw
3. Used Rotabroach® Cutter

PILOTS

Comes three per pack.

PART NUMBER	DESCRIPTION
113028	Pilot for 113027 Arbor
113025	Pilot for 113026 Arbor

PSS110716.113489-496

GENERAL PURPOSE KIT - 113485
Contains:
1 ea. arbor to fit 1/4", 3/8", & 1/2" chucks
1 ea. spring loaded pilot guide & center punch
1 ea. allen wrench to adjust spring tension
1 ea. extra pilot, stop and washer
1 ea. 5/16", 3/8", 7/16", 1/2". 9/16", 5/8", & 3/4" cutters
1 ea. sturdy plastic case



QUICK RELEASE CARBIDE TIPPED HOLE CUTTERS

Cuts steel plate, iron, aluminum, copper, cast iron, stainless steel, fiberglass & plastics.

- Provides longer life & faster cutting.
- Portable tool for professional electricians, mechanics, plumbers & contractors.
- Cost effective alternative to bi-metal.
- Excellent wear & heat resistance.
- Tip pocket for quicker chip extraction.
- Ejects slugs faster, saving time.
- Safety collar stop prevents over penetration.



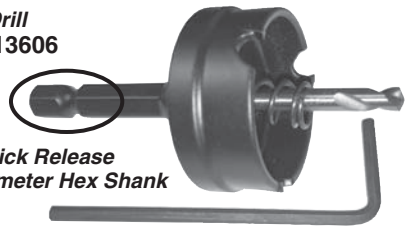
Pilot Drill
Part No. 113606



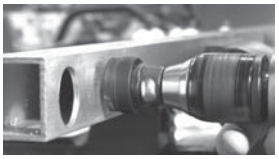
Quick Release Spring
Part No. 113608



Screw
Part No. 113607



Quick Release 1/4" Diameter Hex Shank



Part No. 501843
Includes all hole cutters listed, pilot drill, screw & quick release spring
8 pieces • 8 items • 12116 steel tray

113601	113603	113605	113607
113602	113604	113606	113608

Numbers in assortment

USE FOR:
Auto & truck body repair, junction & switch boxes, metal studs, appliances and more.

PART NUMBER	DIA. INCHES	PART NUMBER	DIA. INCHES
113609	5/8	113614	1-1/8
113610	11/16	113615	1-3/16
113601	3/4	113604	1-1/4
113611	13/16	113616	1-5/16
113602	7/8	113605	1-3/8
113612	15/16	113606	Pilot Drill
113603	1	113607	Screw
113613	1-1/16	113608	Quick Release Spring

PSS112816.REV040617

HOLE SAWS and ACCESSORIES

BI-METAL HOLE SAWS

Twice The Life As Prior Models, Enhanced Teeth, Thin Kerf Design & Advanced Coating

New speed slot hole saws feature a staircase design for easy removal. Easily ejects plugs with a standard screwdriver.



GENERAL and INDUSTRIAL MAINTENANCE



PLUMBING



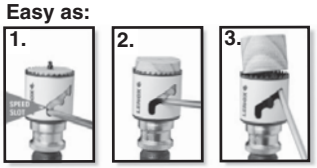
LOCKSMITHS

Also used by Electrician's and Automotive Shops.

For Safety Always Wear Goggles and Face Shield when Grinding & Sanding

- Teeth stay sharper longer for smoother cuts.
- Faster cutting.

Easy as:





LENOX® Speed Slot 10% TALLER THAN PREVIOUS MODELS

PART NO. STANDARD CUT HOLE SAW	DIA. INCHES	DIA. MM	PART NO. ARBOR
114505	5/8	16	113451, 480 or 481
113452	3/4	19	113451, 480 or 481
113453	7/8	22	113451, 480 or 481
113454	1	25	113451, 480 or 481
113455	1-1/8	29	113451, 480 or 481
113456	1-1/4	32	113482 or 498
113457	1-3/8	35	113482 or 498
113458	1-1/2	38	113482 or 498
113459	1-3/4	44	113482 or 498
113460	2	51	113482 or 498
113463	2-1/8	54	113482 or 498
113461	2-1/4	57	113482 or 498

PART NO. STANDARD CUT HOLE SAW	DIA. INCHES	DIA. MM	PART NO. ARBOR
113462	2-1/2	63	113482 or 498
114506	3	76	113482 or 498
114507	3-1/8	79	113482 or 498
114508	3-1/4	83	113482 or 498
114509	3-1/2	89	113482 or 498
114510	3-5/8	92	113482 or 498
114511	3-3/4	94	113482 or 498
114512	4	102	113482 or 498
114513	4-1/8	105	113482 or 498
114515	4-1/2	114	113482 or 498
114516	4-3/4	121	113482 or 498

PSSB070912

HOLE SAW ARBORS – ALL ARBORS ARE SUPPLIED WITH PILOT DRILL

1/4'' Rd. Shank
Fits: 9/16'' - 1-3/16''



Part No. 113480

3/8'' Hex Shank
Fits: 9/16'' - 1-3/16''



Part No. 113451

1/2'' Hex Shank
Fits: 9/16'' - 1-3/16''



Part No. 113481

3/8'' Hex Shank
Fits: 1-1/4'' - 6''



Part No. 113482

1/2'' Hex Shank
Fits: 1-1/4'' - 6''



Part No. 113498

Snap-Back
Fits: 1-1/4'' - 6''



Part No. 114517

Snap-Back
Fits: 5/8'' - 1-1/8''



Part No. 114518

1/4'' PILOT DRILLS

Fits: 113480, 113481 and 113498



Part No. 113483

Fits: 113451 & 113482



Part No. 113484

ASSORTMENTS

Portable, easy to carry. Perfect size for those small jobs around the shop or out in the field.



7 PC. STARTER ASSORTMENT
Part No. 113450
1 ea. - 3/4", 7/8", 1", 1-1/8", 1-1/4", Arbor 113451 and adapter in plastic case.

Numbers in assortment



SHOP ASSORTMENT
Part No. 501636
17 pieces • 15 items
12051 steel tray
Includes 113481, 113498 Arbors and 3 spare pilot drills.

113452	113455	113458	113462	113498
113453	113456	113459	113481	114505
113454	113457	113460	113483	114506

Numbers in assortment

Complete coverage for bringing pipe and conduit through floors, ceilings, walls and into junction boxes.



ELECTRICIAN ASSORTMENT
Part No. 501637
15 pieces • 13 items
12090 steel tray
Includes 113481, 113498 Arbors and 3 spare pilot drills.

113453	113459	113481	114506	114516
113455	113460	113483	114510	
113457	113462	113498	114513	

Numbers in assortment



INDUSTRIAL MAINTENANCE ASSORTMENT
Part No. 501638
21 pieces • 19 items
12090 steel tray
Includes 113481, 113498 Arbors and 3 spare pilot drills.

113452	113457	113461	113498	114511
113453	113458	113462	114506	114513
113454	113459	113481	114508	114516
113455	113460	113483	114510	

Numbers in assortment

HOLE SAWS, FILES and ACCESSORIES

ASSORTMENTS

Compact sized kits (10.25" L x 11.88" W x 3.50" D) - easy to store, transport and use. Fits into any tool bag, bucket or box.

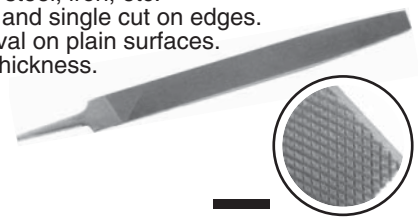
7 PC. PLUMBER ASSORTMENT
Part No. 501770
1 ea. - 1-1/4", 1-3/8", 1-1/2", 2", 2-1/2", Arbor's 114517 & 114518 in plastic case.

8 PC. ELECTRICIAN ASSORTMENT
Part No. 501771
1 ea. - 7/8", 1-1/8", 1-3/8", 1-3/4", 2", 2-1/2" Arbor's 114517 & 114518 in plastic case.


501771 shown

FLAT BASTARD

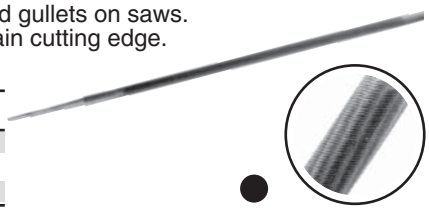
- Used for working on steel, iron, etc.
- Double cut on sides and single cut on edges.
- Enables quick removal on plain surfaces.
- Tapered in width & thickness.



PART NUMBER	LENGTH INCHES
313324	6
313325	8
313326	10

ROUND CHAIN SAW

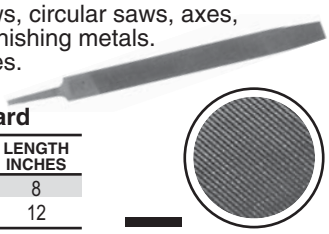
- Used for filing round gullets on saws.
- Leaves smooth chain cutting edge.
- Parallel in shape.



PART NUMBER	LENGTH INCHES
313309	6 x 5/32
313343	8 x 3/16
313344	8 x 7/32

MILL

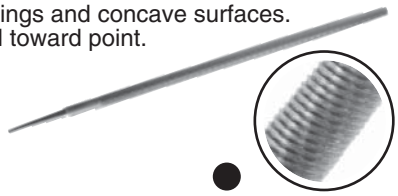
- Used for sharpening mill saws, circular saws, axes, hoes, spades, knives & for finishing metals.
- Single cut on sides and edges.



Smooth		Bastard	
PART NUMBER	LENGTH INCHES	PART NUMBER	LENGTH INCHES
313311	8	313337	8
313312	10	313339	12

ROUND BASTARD

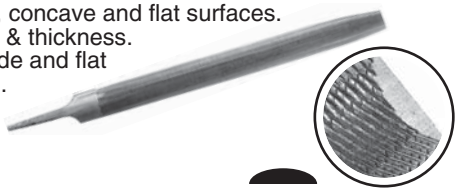
- Used for circular openings and concave surfaces.
- Shape slightly tapered toward point.



PART NUMBER	LENGTH INCHES
313332	4
313334	8
313335	10

HALF ROUND BASTARD

- Used for convex, concave and flat surfaces.
- Tapered in width & thickness.
- Round on one side and flat on the other side.



PART NUMBER	LENGTH INCHES
313328	8

SHOE RASP (4 IN 1)

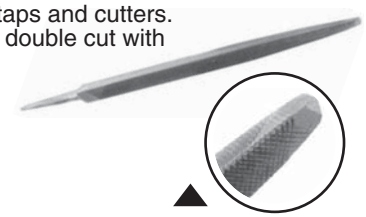
- Produces a fast, rough cut appropriate for wood, leather, hooves and soft metal.
- Avoids clogging.



PART NUMBER	LENGTH INCHES
313308	8

THREE SQUARE

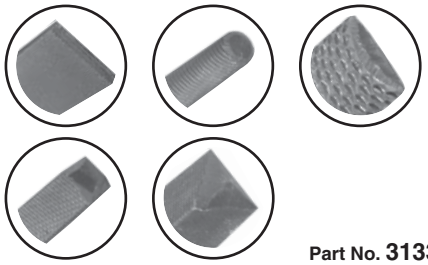
- Used for internal angles more acute than right angles and filing of taps and cutters.
- Triangular cross-section, double cut with sharp edges.



PART NUMBER	LENGTH INCHES
313301	6

FILE & RASP SET

- Contains (5) 8" files (overall length 12-5/16" with handle).
- Includes: flat, round, halfround, square and threesome.
- Individually hardened to 64 HRC for longer tool life.
- All files are made from high quality chromium alloy steel.
- Use on metal, plastic, wood, leather, glass, etc.
- Use to sharpen axes, knives, scissors, mower blades, etc.



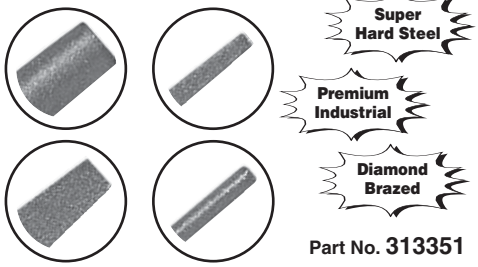


Part No. 313350

DIAMOND FILE SET

PSS071817

- Contains (4) 8" files (overall length 10").
- Many times harder than conventional files.
- Includes: half round, square, flat & round.
- Cuts faster & smoother for a better finish.
- Cuts into welds & hardened surfaces where other files can't.
- Cuts 10X faster and in all directions.
- Custom folding pouch.





Part No. 313351

CUTTERS, SNIPS and SCRAPING

POWER CUTTER UTILITY SNIPS



Part No. **213224**

The powerful, all purpose cutting tool.

A true mechanic's aid for the automotive and auto body shop.

- Stainless steel blades are offset to keep hands above material for safe, easy, accurate cutting action.
- Cuts thin gauge sheet metal, wire, leather, rubber, vinyl, sandwich gaskets, fibre glass cloth, metal screen, hoses, floor mats and carpeting.

AVIATION SNIPS

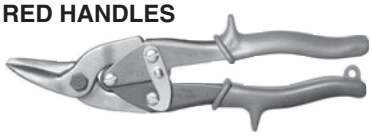
Part No. **113320**
YELLOW HANDLES



Part No. **113321**
GREEN HANDLES



Part No. **113322**
RED HANDLES



- Cuts all sheet metals up to 18 gauge, with half the effort of conventional snips.
- Compound action "Aviation Snips" conform to al government specifications for cutting and strength.
- Blades are forged from special analysis tool steel.
- Cutting edges serrated to prevent slipping.
- Self opening action for fast easy feed.
- Each snip is dipped in rust preventive oil.
- Handles are contoured and plastic dipped to provide a firm, comfortable grip.
- Color coded handles for easy identification.

PART NUMBER	COLOR OF HANDLES	CUT PATTERN
113320	Yellow	Straight
113321	Green	Right
113322	Red	Left

PUTTY KNIVES and SCRAPERS



Used for spackling, scraping, removing grease, paint, varnish, and gaskets.

- Handles do not absorb grease or oils.
- Keeps hands cleaner.
- Blades are riveted to handle for durability.
- Holes in handles for hanging.
- Blades are constructed of high carbon cutlery steel.

BLADE WIDTH (INCHES)	DESCRIPTION		PART NUMBER
1-1/4	Putty Knife	Stiff	**213060**
1-1/4	Putty Knife	Flexible	**213061**
3	Scraper	Stiff	**213062**
3	Scraper	Flexible	**213063**
6	Taping	Flexible	**213064**

NOTE: Designs may vary. Subject to availability. We reserve the right to substitute when necessary.

INSPECTION STICKER SCRAPER

- Remove stickers, paint, varnish, and tar from glass.
- E-Z grip vinyl handle.
- Replaceable single edge razor blade.
- 7-3/4" long, complete with one blade.
- Folds in half to lock blade safely inside handle.



Part No. **113113**

Replacement blade:
Part No.'s. **11301 or 11304**

WINDOW SCRAPER



Part No. **113229**

Replacement blade:
Part No.'s. **11301 or 11304**

- This small, easy to handle scraper gets into all those tight places other scrapers cannot.
- It removes inspection stickers, excess paint, and more, from any window.
- This versatile tool also snaps open & closed for safety.
- Comes complete with **Part No. 11301** razor blade.

RAZOR BLADE SCRAPER



Part No. **213652**

Replacement blade:
Part No.'s. **11301, 11302 & 11304**

- Designed to reach in tight places.
- Comes with five stainless steel blades for removing stickers from windshields, bumpers, etc.
- Also comes with a plastic blade for use on plastic laminated windshields to prevent scratching.
- Spring-release allows easy interchange of blades.
- Hollow handle stores all blades when not in use.
- Reverse in holder for storage.

HEAVY DUTY SCRAPER

Part No. **213279**



REPLACEMENT BLADES PART NUMBER	BLADE WIDTH (INCHES)	QTY
213280	1	6
213281	1-1/2	6
213282	2	6

- Sharp hardened steel blades remove carbon, old gasket material adhesives, sludge, and other hard-to-clean substances.
- Loosen handle to interchange blades.
- 1", 1-1/2" & 2" blades included.

CUTTING TOOLS

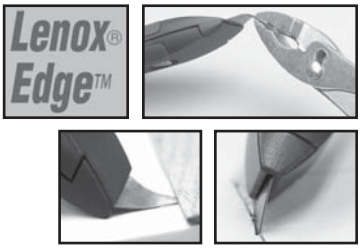
PREMIUM UTILITY BLADES

The Only Bi-Metal Utility Blade

- Up to 3x the life of carbon blades.
- Bi-metal patent-pending design.
- Safe, shatter-resistant blade.
- Double-knotched - fits standard utility knives.
- Great for drywall, metal scoring, and all regular uses.
- M-2 hardened tool steel for edge durability.
- Honed edge angle for maximum sharpness.
- Electron beam weld protects against tip strippage.
- Spring steel backing material for shatter resistance.
- .025 thickness.



Part No. 113543
5 per pack



HEAVY DUTY UTILITY BLADE

- Heat treated carbon steel.



Part No. 113538 50

PLASTIC RAZOR BLADE

- Eliminate scratching of plastic coated windshield.
- Removes stickers & labels without scratching.
- Lightweight, long lasting.



Part No. 11302 24

Use on all plastic coated windshields (used on many G.M. late model cars)

HEAVY DUTY INDUSTRIAL RAZOR BLADES

- Industrial quality.
- Heavy gauge.
- Specially ground sharp, long lasting edge.
- Fits most knives & inspection sticker scrapers available today.
- Packed in dispenser tray.

.009 Gauge Steel
Part No. 11301 100

Extra Heavy Duty For Maximum Strength .012 Gauge Steel
Part No. 11304 100



LENOX® GOLD™ QUICK CHANGE RETRACTABLE UTILITY KNIFE

- Durable construction and comfortable grip for extended use.
- Extremely durable stainless steel nose.
- One piece titanium coated nose eliminates spreading.
- No tools needed to open.
- 3 Lenox shatter-resistant blades included.
- Holds up to 5 blades, inside storage area.

Part No. 113542

Replacement bi-metal utility blades:
Part No. 113543 5



RETRACTABLE UTILITY KNIFE

- Heavy duty construction.
- Contour grip.
- 2 steel blades included.

Replacement blades: Part No.'s 113538 & 113543

Part No. 113535



BREAKAWAY BLADE CUTTER

PSS102617

- Retractable cutter with snap off blades.
- Always have a sharp edge when needed.
- 14 + 1 high quality blades.
- Ergonomic cushioned grip handles.
- Cuts paper, cardboard, foam, leather, rubber, vinyl & more.

Part No. 11308



COMPOUND RATCHET ACTION CUTTER

- Handle molded from G.E. Valox #508 - glass filled for strength.
- Stainless steel replaceable blade.
- All internal parts and pivots are made of stainless steel for long life.
- Completely rust-proof.
- Compounded ratchet action multiplies normal hand pressure and reduces user fatigue.
- Cuts all rubber, plastic hose and PVC pipe up to 1-1/8" (2.8 cm.)
- Provides a straight, even, clean cut.
- Made in the U.S.A.

Part No. 213648



*SPECIAL ORDER TOOLS & ITEMS INDEX

AIR COMPRESSORS & AIR MANAGEMENT
Air Compressors
Air Compressors & Air Management
Air Control Units
Air Drying Systems
Air Filters
Air Regulators

AIR CONDITIONING EQUIPMENT
Air Conditioning Equipment

AIR TOOLS
Air Drills
Air Hammers
Air Hoses & Reels
Air Polishers
Air Ratchets
Air Reciprocating Saws
Air Sanders
Air Tool Combo Kits
Air Tool Lubricators
Air Tools
Cut Off Tools
Die Grinders
Impact Wrenches
Tire Buffers

BATTERY/ELECTRICAL SYSTEMS
Battery Chargers
Battery/Electrical Systems
Booster Cables
Electric Wire Repair
Electrical Systems Testers
Generators
Power Inverters
Power Packs

BODY SHOP TOOLS & EQUIPMENT
Body Repair Kits
Body Shop Tools & Equipment
Gun Washers
Heat Lamps
Pneumatic Door Skin
Pulling Clamps
Solvent Recyclers
Upholstery & Trim Tools
Work Stands

BRAKE, TIRE & SUSPENSION
Brake Bleeding Equipment
Brake Caliper Tools & Accessories
Brake Flaring Tools
Brake Lathes
Brake Service Kits
Brake Tools
Brake, Tire & Suspension
Clutch & U-Joint Tools
Front End Service Sets
Strut Tools & Spring Compressors
Suspension Tools
Tire Changers & Accessories
Tire Tools
Tubing Bender
Wheel/Axle Tools
Wheel Balancers & Accessories
Wheel Dollies

COOLING SYSTEM EQUIPMENT
Coolant Refractometer
Pressure Testers
Purge & Test Equipment

DEF EQUIPMENT
DEF Equipment

DENT REPAIR TOOLS
Body & Fender Tool Sets

DIAGNOSTIC EQUIPMENT
Borescopes
Calipers
Diagnostic Equipment
Dial Indicator Sets
Emissions Testers
Engine Analyzers
Fuel Injection Tools
Heavy-Duty Diagnostics
Multimeters
Non-contact Thermometers
Scan Tools
Tachometers
Timing Lights
Torque Wrenches

ENGINE TOOLS
ATF Exchanger
Belt Tools
Block Tools
Cam Tools
Engine Tools
Fluid Evacuator
Fuel System Tools
Gas Evacuation Unit
Oil Pump Tools
Transmission Tools
Water Pump Tools

FASTENER & RIVET TOOLS
Fastener Tools
Rivet Accessories
Rivet Guns

GLASS INSTALLATION
Windshield Tools

LIFTING EQUIPMENT
Bottle Jacks
Car Dollies
Clutch Handlers
Engine Cranes
Engine Slings
Engine Stands
Jack Stands
Lifting Equipment
Motorcycle/ATV Lift
Power Pullers - Utility Winch
Service Jacks
Shop Presses
Transmission Jacks
Tripod Stands
Truck Axle Jacks
Truck Ramps
Underhoist Stands
Wheel & Brake Drum Dollies

MASKING SYSTEMS
Masking Equipment

POWER TOOLS
Angle Grinders
Batteries & Power Packs
Bench Grinders
Cordless Ratchets
Cordless Screwdrivers
Dremel
Drill Press
Electronic Die Grinder
Impact Wrenches
Miter Saws
Polishers & Sanders
Power Tool Combo Kits
Power Tools
Saws

PULLERS
Bearing Pullers
General Use & pullers
Hub Pullers
Pilot Bearing Pullers
Pullers
Pulley Pullers
Seal Pullers
Slide Hammer Pullers
Steering Wheel Pullers
Creepers

REPAIR SHOP EQUIPMENT & SUPPLIES
Evaporation System Testers
Exhaust Removal Equipment
Fuel & Storage & Transfer
Funnels, Fillers & Fuel Containers
Lockout Tools
Parts Washers & Accessories
Repair shop
Sandblasting Equipment
Shop Fans
Supplies & Equipment
Vises
Fresh Air Systems

SAFETY PRODUCTS
Respirators
Safety Products
Spray Guns

SPRAY BOOTH MAINTENANCE
Gun Cleaning Kits

SPRAY GUNS & ACCESSORIES
Spray Gun Accessories
Spray Gun Kits
Spray Guns
Spray Guns & Accessories
Molding Tools
Stripe Removal

STRIPING & MOLDING
Magnetic Parts Trays
Roller Bearing Tool Storage

TOOL STORAGE
Tool Storage
Tool Storage Accessories
Utility Carts
Arc Welders & Accessories
Magnetic Induction Heaters

WELDING & WELDING ACCESSORIES
MIG Welding
Oxy-Acetylene Accessories
Plasma Cutting
Soldering & Torch Products
Stud/Spot Welders & Accessories

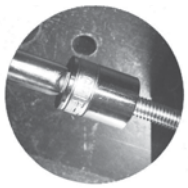


***FOR MORE INFORMATION AND PRICING ON ELECTRONIC and AIR POWER TOOLS –EQUIPMENT – ACCESSORIES**

BOLT & NUT EXTRACTORS and SOCKET SETS

3/8" DRIVE TIGHT GRIP ROUNDED BOLT and NUT REMOVER KITS

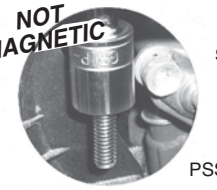
Grips Rounded Corners on Nuts and Bolts without Slipping.



Firm Grip Captures Bolts or Nuts for Easy Removal!



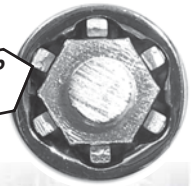
Remove Rusted or Extremely Rounded Bolts and Nuts!



Holds Bolt or Nut for Easy Installation in Hard-to-Reach Places!

PSS120511B

Compact kit fits in small spaces: 5-3/4" L x 4-1/2" W x 1-7/8" D and weighs less than 2lbs



Made of high strength alloy steel



SAE SET INCLUDES:

3/8", 7/16" (11mm), 1/2", 9/16", 11/16", 5/8 (16mm), 3/4" (19mm)
Supplied in a hard plastic case

Part No. **113427**

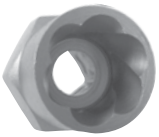
METRIC SET INCLUDES:

10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 18mm
Supplied in a hard plastic case

Part No. **113429**

BOLT & NUT EXTRACTORS

- When you are faced with a rounded-off, rusted-tight or painted over bolt, bolt extractors will break it free.
- Reverse spiral flutes are designed to bite down to provide maximum gripping power.
- High carbon steel ensures longer life and greater durability.
- Universal lobular design fits all types of fasteners.
- 3/8" square drive for use with hand ratchets, impact wrenches, and air ratchets; hexagonal flats for use with flat wrenches, pliers, adjustable wrenches, sockets or VISE-GRIP locking pliers.



13-pc PROFESSIONAL'S INDUSTRIAL SET
Full Fractional & Metric Coverage

Set includes bolt extractors to remove bolt sizes: 8mm, 10mm, 11mm, 12mm, 13mm, 14mm, 16mm, 17mm, 19mm, 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" in drive size 3/8". Set includes plastic case.



Part No. **113018**

9-pc BOLT EXTRACTOR SET - Full Fractional Coverage

Set includes bolt extractors to remove bolt sizes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" in drive size 3/8". These same sizes will also work on the following metric sizes 8mm, 11mm, 14mm, 16mm & 19mm. Set includes plastic case.



Part No. **113019**

MULTI-GRIP UNIVERSAL SOCKET

One Socket That Does The Work of Three Whole Sets!

A unique patent-pending, 54-Pin Socket, grabs almost any shape or size nut or bolt. The pins retract inward, leaving the remaining pins to nestle around the object. You can install or remove almost anything that the socket can fit over.

- Portable, light-weight socket that fits on any 3/8 ratchet.
- Light-weight, only 4 oz.
- Body made of Alloy Steel, 2-inches in length.
- Maximum depth 0.375-inch.
- Range: 1/4 - 3/4 inch (and 7-19mm) wrench size.

Problem solving tool





Part No. **213054**

Ideal to keep in tool box for use when other sockets are broken or missing!

TORX® MASTER BITS

ALL BITS HAVE UNIVERSAL APPLICATIONS

- Hardened Steel.



Part No. **213400**
SET AVAILABLE
T-10 Through T-60



PART NO.	SIZE	DRIVE	APPLICATION
213403	T-20	1/4	Instrument Panel, Ext. and Int. Trim
213404	T-25	1/4	Sunroofs, Ext. Trim
213406	T-30	1/4	Delco Master Cylinder, Fender Screws, Air Boot Module
213321	T-40	3/8	Trans., Calipers, Door Hinges, Ext. Trim, Brake Modulators
213322	T-45	3/8	Disc Brake Calipers, Bumper Bolts, Truck Seats, Trim

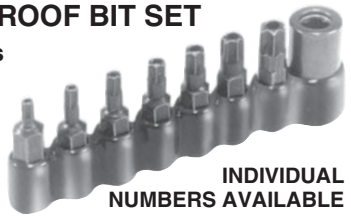
8 PIECE TORX® TAMPER-PROOF BIT SET

Seven 1/4'' Hex Insert Bits with 1/4'' Drive Bit Holder packed in holder case.

Complete Set
Part No. **213328**
Contains 1 of each Torx Bit listed in holder case

Unique Hollow Center Fits Tamper Proof Torx Screws





INDIVIDUAL NUMBERS AVAILABLE

PART NUMBER	SIZE
213329	T-10
213330	T-15
213331	T-20
213332	T-25

PART NUMBER	SIZE
213333	T-27
213334	T-30
213335	T-40

3/8” & 1/2” DRIVE SOCKETS and SETS

SUPER TORX® SET

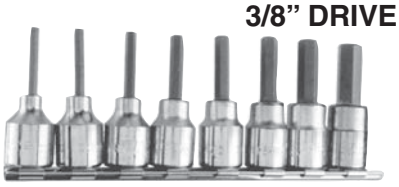
20% stronger than one-piece Torx® Bits



This set includes nine of the most popular Torx® sizes for automotive applications.The six smaller bits are 1/4” drive, and the three larger bits are 3/8” drive. the set includes T-10, T-15, T-20, T-25, T-27,T-30, T-40, T-45 & T-50 in a convenient holder.

Part No. **214009**

8 PIECE HEX SOCKET BIT SET 3/8” DRIVE



Part No. **114140**
w/clip-on rail organizer

FRACTIONAL SOCKET SET 3/8” DRIVE





Part No. **113405**

METRIC 3/8” DRIVE 6 PT. STANDARD SOCKETS





Part No. **113406**
w/clip-on rail organizer

FRACTIONAL DEEP WELL SOCKET SET 3/8” DRIVE 6 PT.





Part No. **113403**

MAGNETIC HEX DRIVERS

Fits 1/4” drills or impact guns 1-3/4” length.





PART NUMBER	HEX SIZE (INCHES)
53510	1/4
53511	5/16
53512	3/8

FRACTIONAL 1/2” DRIVE 6 PT. DEEP IMPACT SOCKETS





Part No. **114139**
w/clip-on rail organizer

Includes: 3/8”, 7/16”, 1/2”, 9/16”, 5/8”, 11/16”, 3/4”, 13/16”,7/8”, 5/16”, 1”, 1-1/8”

METRIC IMPACT SOCKET SET 1/2” DRIVE 6 PT.





Part No. **113411**
w/clip-on rail organizer

HAND TOOLS and WRENCHES

BLACKHAWK RATCHETS



PART NO.	DRIVE	SIZE
113775	1/4" Drive	5" Long
113413	3/8" Drive	7-1/2" Long
113415	1/2" Drive	10" Long

Triple chrome plated

FLEX HANDLE



PART NO.	DRIVE	SIZE
113931	1/2" Drive	15" Long

3/8" DRIVE SPIN A RATCHET

Rapid fingertip spinners to pre-tighten nuts and bolts. Push into socket, spin to tight position, put on ratchet and finish job. Cut labor time in ratcheting work. Available in 3/8" drive only.



Part No. **213226**

1/4" DRIVE SPINNER HANDLE



Part No. **113778**

SPEED WRENCH



PART NO.	DRIVE	SIZE
113650	3/8" Drive	16" Long

EXTENSIONS



LENGTH	1/4" DRIVE	3/8" DRIVE	1/2" DRIVE
3"	**113776**	**113654**	**---**
5"	**---**	**---**	**113702**
10"	**---**	**---**	**113703**
11"	**---**	**113656**	**---**

UNIVERSAL JOINTS

PART NO.	DRIVE
213347	1/4" Drive
113679	3/8" Drive
113706	1/2" Drive



DRIVE ADAPTERS

PART NO.	DESCRIPTION
114142	3/8"F to 1/4"M
113681	3/8"F to 1/2"M
113704	1/2"F to 3/8"M
113705	1/2"F to 3/4"M



1/4" MINI MASTER SET - 20 PIECES

A must for the glove box, toolbox drawer, pocket, or anywhere!

PSS080917.113030

INCLUDES

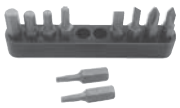
- 1/4" flex-head drive with bit holder end
- 8 spline low profile metric sockets (4-11mm)
- 10 bits (most popular sizes)
- 3" extension
- Rugged nylon roll-up pouch



Super compact strong nylon roll-up pouch w/belt loop



Part No. **113030**

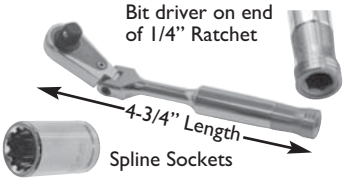


Bit set with sizes stamped on body



Flex-head 1/4" Ratchet

4-3/4"L Compact Size



Bit driver on end of 1/4" Ratchet

Spline Sockets

WRENCHES

TIGHT GRIP SUPER COMBINATION WRENCH SETS



PSS120511A

- Removes severely rusted, rounded or damaged bolts and nuts.
- Six cams made of high strength alloy steel grab onto the flats of the fasteners.
- A great bolt or nuts starter for those hard-to-reach places.

Made of high strength alloy steel

6 PIECE SAE STANDARD SET

7/16" (11mm), 1/2", 9/16", 5/8 (16mm), 11/16", 3/4" (19mm)

Part No. **113412**

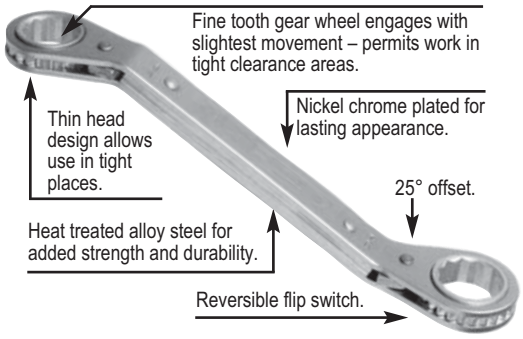
6 PIECE METRIC SET

12mm, 13mm, 14mm, 15mm, 17mm, 18mm

Part No. **113414**

25° OFFSET REVERSIBLE RATCHETING BOX WRENCH

Great for getting at hard-to-reach nuts and bolts. Offset heads prevent bruised and scraped knuckles.





INDIVIDUAL SIZES AVAILABLE

PART NUMBER	SIZE (INCHES)
113551	1/4 - 5/16
113553	1/2 - 9/16
113554	5/8 - 11/16

5 PC 12pt. METRIC SET

Contains 1 each
7mm x 8mm, 9mm x 10mm, 11mm x 12mm, 13mm x 14mm, 15mm x 17mm
Supplied in a handy vinyl pouch.

Part No. **113560**
Metric sizes available in sets only.
No open stock.

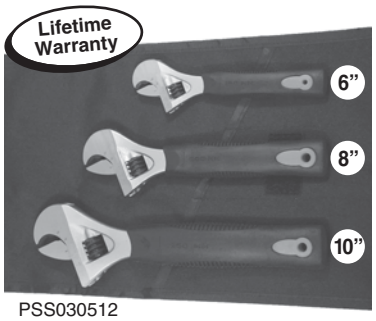
5 PC 12pt. STANDARD SET

Contains 1 each
1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 3/4" x 7/8"
Supplied in a handy vinyl pouch.

Part No. **113550**

RATCHETING ADJUSTABLE WRENCH SET

Unique problem solver • Saves time and improves performance



PSS030512

- Powerful, light.
- Heavy-duty chrome vanadium steel.
- Ergonomic anti-slip traction groove handle.
- Lasered inch and metric scale, one on each side of wrench face.
- Patented ratchet function jaw.
- Faster ratcheting function provides efficiency, allowing the user to get the job done faster.

A wrench with combined dual function of ratcheting and being adjustable.

Easy and convenient, allows ratcheting without lifting the wrench off the fastener head or nut, especially in confined spaces.

Part No. **213033**
4pc set includes: 6", 8", 10", Custom Fold-Over Pouch

Size	Max Jaw Opening (inch/metric)	Nut Size
6"	3/4" (20mm)	to 7/16" (12mm)
8"	1" (24mm)	to 5/8" (16mm)
10"	1-5/32" (30mm)	to 3/4" (20mm)

9 pc. COMBINATION WRENCH SET



Supplied in a handy plastic pouch.

Part No. **113416**

SET CONTAINS	
1/4"	9/16"
5/16"	5/8"
3/8"	11/16"
7/16"	3/4"
1/2"	

13 pc. COMBINATION WRENCH SET



Supplied in a handy plastic pouch.

Part No. **113417**

SET CONTAINS	
5/16"	3/4"
3/8"	13/16"
7/16"	7/8"
1/2"	15/16"
9/16"	1"
5/8"	1-1/16"
11/16"	

3 pc. FLARE NUT WRENCH

- Prevents damage to flare nuts and other soft metal fittings.



Part No. **113561 - 3 piece set**

INDIVIDUAL SIZES AVAILABLE

PART NUMBER	SIZE (INCHES)
113562	3/8 and 7/16
113563	1/2 and 9/16
113564	5/8 and 11/16

BLACKHAWK COMBINATION WRENCHES



12 PT. FRACTIONAL

PART NO.	SIZE (IN.)	LGTH (IN.)	PART NO.	SIZE (IN.)	LGTH (IN.)
114150	1/4	3-15/16	**114157**	11/16	8-25/32
114151	5/16	4-3/8	**114158**	3/4	9-5/8
114152	3/8	5-1/4	**114159**	13/16	10-9/16
114153	7/16	5-13/16	**114160**	7/8	11-1/2
114154	1/2	6-1/2	**114161**	15/16	12-1/2
114155	9/16	7-3/16	**114162**	1	13-1/2
114156	5/8	8	**114163**	1-1/16	14-5/8

WRENCHES

7 pc. NUT DRIVER SETS

FRACTIONAL

PART NUMBER	SIZE (INCHES)	PART NUMBER	SIZE (INCHES)
114468	3/16	**114472**	3/8
114469	1/4	**114473**	7/16
114470	5/16	**114474**	1/2
114471	11/32		

METRIC

PART NUMBER	SIZE (MILLIMETER)	PART NUMBER	SIZE (MILLIMETER)
114488	5mm	**114492**	9mm
114489	6mm	**114493**	10mm
114490	7mm	**114494**	11mm
114491	8mm		

- Steel hardened sockets.
- High quality plastic handles.
- Triple chrome plated.
- Available in sets or individually.



(METRIC) Part No. 113499
5, 6, 7, 8, 9, 10 & 11mm

(FRACTIONAL) Part No. 113534
3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2"

INTERNAL PIPE WRENCHES

- Removes broken threaded pipe fittings.
- Loosen or tighten close nipples or other pipe fittings in tight spots.
- Eliminate the possibility of damage to threads, walls and highly polished nickel or chrome plate finish.
- Overall length 3-3/4".
- Hex body for use with a wrench.
- Heat treated alloy steel, zinc plated to prevent rust.
- "Cam Action" provides non-slipping grip on the inside of nipples, pipes and fittings. Inserted inside, the knurled eccentric engages the inside wall and can be turned either way.

PART NUMBER	PIPE SIZE (Inches)
813151	3/8
813152	1/2
813153	3/4
813154	1



3 piece set
Part No. 813150

- **Sizes:** 3/8, 1/2 & 3/4
- Packed in plastic pouch



HEAVY DUTY PIPE WRENCHES

- Professional quality.
- Forged alloy steel hook jaw.
- Precision hardened jaw teeth.
- Dual suspension jaw clamp springs.
- Forged and heat treated fixed jaw.
- Accurate adjusting nut.

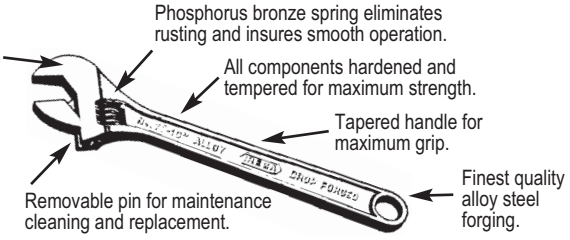
PART NUMBER	SIZE (Inches)
213685	10
213687	18



ADJUSTABLE WRENCHES

- Precision ground jaws / slide for positive, safe grip & smooth action.
- Each tool individually tested and inspected.
- Triple chrome plating for long lasting adherence & corrosion prevention.
- Knurl and removable screw - pin hardened & tempered.
- Requires less working space.
- Increased strength and torque load.
- More comfortable grip.
- Superior quality exceeds federal specifications No. GGG-W-631 B.

PART NUMBER	SIZE (Inches)
113475	6
113476	10

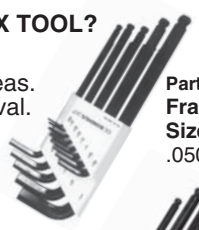


HEX KEYS

BONDHUS® BALLDRIVER HEX KEY SETS

WHY A BALLDRIVER® HEX TOOL?

Angle entry to 25°
- Works in hard to reach areas.
- Faster insertion and removal.
- Close tolerances mean consistent performance at operational angles.



Part No. 213620*
Fractional: 13 pcs.
Sizes:
.050 thru 3/8"

Fast funnel entry
- Eliminates wasted time even in blind applications.
- Full depth engagement.
- Reduces "stripping" problems.
- Thicker neck area increases torque capacity up to 100%.



Part No. 213622*
Metric: 9 pcs.
Sizes:
1.5 mm thru 10 mm

Ergonomic design
- Allows natural hand and wrist rotation.
- Turns full 360° in location.
- Reduces user fatigue.



Part No. 213621*
Fractional: 7 pcs.
Sizes:
5/64" thru 3/16"

***All sets supplied with key cases - Just twist to lock in place, no more lost keys. Cases have individually marked sizes.**

T-HANDLE HEX KEYS

- Easy & efficient to use.
- Finest quality chrome-nickel based alloy steel.



Part No. 113254
Set w/plastic pouch.
Sizes: 3/32" to 1/4"
Std. Inches: 8 pcs.

Part No. 113255
Set w/stand & size chart.
Sizes: 3/32" to 3/8"
Std. Inches: 10 pcs.



INDIVIDUAL INCH SIZES

PART NUMBER	HEX WIDTH ACROSS FLATS	HANDLE WIDTH	FITS SOCKET SET SCREW	FITS SOCKET CAP SCREW
113239	3/32	3	No. 10	No. 4 & 5
113240	7/64	3	--	No. 6
113241	1/8	3	1/4	--
113242	9/64	3	--	No. 8
113243	5/32	3	5/16	No. 10
113244	3/16	4	3/8	1/4
113245	7/32	4	7/16	--
113246	1/4	4	1/2	5/16
113247	5/16	6	5/8	3/8
113248	3/8	6	3/4	7/16 & 1/2

FRACTIONAL and METRIC HEX KEY WRENCHES



ANSI B18.3-1982 HEAT TREATED ALLOY STEEL

FRACTIONAL HEX KEYS

NOMINAL KEY SIZE (INCHES)	SHORT ARM PART NUMBER	LONG ARM PART NUMBER	SOCKET HEAD CAP SCREWS	FLAT HEAD CAP SCREWS	BUTTON HEAD SCREWS	SET SCREWS	SHOULDER SCREWS	PRESSURE PLUGS	LOW HEAD
1/8	---	**113829**	--	10	10	1/4	1/4	--	1/4
9/64	---	---	8	--	--	--	--	--	--
5/32	---	**113831**	10	1/4	1/4	5/16	5/16	1/16	5/16
3/16	---	**113832**	1/4	5/16	5/16	3/8	3/8	1/8	3/8
7/32	---	**113833**	--	3/8	3/8	7/16	--	--	7/16
1/4	---	**113834**	5/16	7/16	--	1/2	1/2	1/4	1/2
5/16	---	**113835**	3/8	1/2	1/2	5/8	5/8	3/8	5/8
3/8	---	**113836**	7/16, 1/2	5/8	5/8	3/4	3/4	1/2	--
7/16	---	---	--	--	--	--	--	--	--
1/2	**113818**	---	5/8	3/4	--	7/8	1	--	--

METRIC HEX KEYS

NOMINAL KEY SIZE (mm)	SHORT ARM PART NUMBER	SOCKET HEAD CAP SCREWS	FLAT HEAD CAP SCREWS	BUTTON HEAD SCREWS	SET SCREWS	SHOULDER SCREWS
3	**113854**	4mm	5mm	5mm	6mm	--

FOLD-UP POCKET SIZE HEX KEY SETS

- Each blade can be used straight out or at right angles for extra leverage.
- Close tolerances insure precise fit into hex socket.

Inch Sizes

- Sizes: 3/16 to 3/8.
- Key lengths: 3-3/8 to 5.

5 piece set
Part No. 113258

- Sizes: .050, 1/16 to 3/16.
- Key lengths: 1-3/4 to 2-7/8.

9 piece set
Part No. 113257



Metric Sizes

- Sizes: 4, 5, 6, 8 & 10mm.
- Key lengths: 3-1/2" to 5".

5 piece set
Part No. 113260

- Sizes: 1.5mm to 6mm.
- Key lengths: 1-3/4 to 3-1/4.

7 piece set
Part No. 113259



TAMPERPROOF HEX KEYS

Used with tamperproof socket head screws.

- Heat treated alloy steel.
- Pin holes in each end.





HEX KEY SIZE TABLE

DIA.	PART NUMBER	SOCKET	FLAT	BUTTON
1/8	**213718**	--	10-24,10-32	10-24,10-32
5/32	**213720**	10-24,10-32	1/4-20	1/4-20
7/32	**213722**	--	3/8-16	3/8-16
1/4	**213723**	5/16-18	--	--
5/16	**213724**	3/8-16	--	--

PLIERS

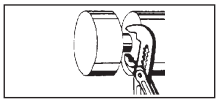
COBRA PLIERS

- Self-gripping jaws produce a powerful and safe grip, eliminating the danger of slip-off during use.
- Effortless push button release by thumb pressing instead of cumbersome handle locking.
- Special safety stop prevents hands from pinching. Eliminates nut burring and knuckle busting. An active contribution for your safety.
- Drop forged and oil-hardened from selected Chrome Vanadium steel.
- From top to toe the COBRA™ is wear resistant. secure against fracture, extremely tough, and withstands the strongest of loads.
- These fine crafted tools feature 18 - 30 position adjustments & memory retention of the jaw opening.
- PVC coated handles for operator comfort.

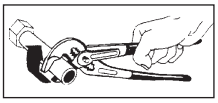
The Most Versatile Pliers Available w/Unlimited Apps.

PART NUMBER	LENGTH (INCHES)
113518	7
113519	10
113522	12
113520	16
113515	22





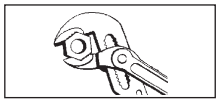
Extra thin jaws for easy access to tight work areas.



Operates with one handed, downward pressure without squeezing.



Unique design features let this tool replace the need for numerous traditional tools.



Patented jaw design insures grip on round, square and hexagonal pieces.

Part No. 113500
4PC. COBRA PLIER SET
7", 10", 12" & 16" sizes

PSS012714 & PSSB020316

INT. / EXT. RETAINING RING PLIERS

- Carbon steel with black oxide finish.
- Converts by reversing handles.



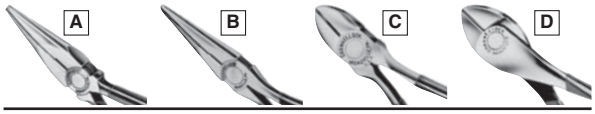
PART NUMBER	STYLE
52802	Straight Tip
52803	90° Tip

CHANNELLOCK® PLIERS

For gripping and turning objects of various shapes, including pipes, rods, hose and cable connections and many other mechanical devices.

- Pliers have plastic grip handles for extra hand comfort and improved appearance.
- Professional quality.
- Precision made for greater accuracy.
- Hardened steel for extra strength and long life.

SOLID JOINT PLIERS



LENGTH	PART NUMBER	TYPE	FIGURE
6	**813208**	Long Nose w/cutter	A
7-1/2	**813213**	Long Nose w/cutter	B
7	**813209**	Diagonal Cutter	C
8	**813215**	Diagonal Cutter w/Lap Joint	D

SLIP JOINT PLIERS *with Side Cutter*



LENGTH	PART NUMBER	MAXIMUM JAW OPENING
7	**813214**	1-1/4

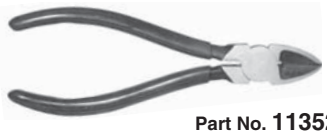
TONGUE and GROOVE PLIERS

- Special jaw design accommodates many shapes.
- Offset head for greater leverage.



LENGTH	PART NUMBER	MAXIMUM JAW OPENING	NUMBER of JAW POSITIONS	FIGURE
6-1/2	**813225**	1-1/16	5	B
9-1/2	**813226**	1-1/4	5	B
9-1/2	**813206**	1-1/2	5	A
10	**813207**	2	7	A
12	**813227**	2-1/4	6	B
12	**813212**	2-1/4	7	A
16	**813211**	4-1/4	8	A

DIAGONAL CUTTING PLIERS



Part No. 113529

- 6-1/2" long.
- Standard bevel cutting edges.
- Tapered nose.
- Cushion grips.

LINESMAN PLIERS

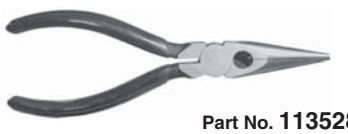
- Insulated cushion grips.



Part No. 113530

- High leverage design for E-Z cutting.
- Large knurled jaws for better gripping.
- Drop forged alloy steel.

LONG NOSE PLIERS



Part No. 113528

- 6-1/2" long.
- Chrome alloy steel.
- Drop forged.
- Insulated cushion grips.

SLIP JOINT PLIERS

- 6" and 8" long.
- Cushioned handles.
- Wide jaw capacity.
- Drop forged alloy steel.



PART NUMBER	LENGTH (INCHES)
113532	8

HOSE CLAMP PLIERS

Works on flat band, spring band and space saver clamps. Grabs any size clamp from (15mm-70mm).



25 ADJUSTMENT POSITIONS



PSS052414 & PSSB020316

Part No. 113510

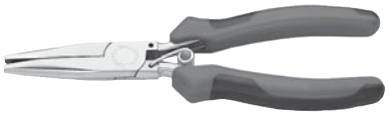
REPLACES *3 SIZES* OF OTHER HOSE CLAMP PLIERS

Application Areas
Air Intake • Cooling • Charged Air • Water Return Flow Thermostat • Fuel • Heating

- Rotatable grip inserts for securely gripping clamp in all positions.
- Slim head design, narrow head width, works great in confined areas.
- 10" overall length, max jaw opening 80mm, over 40mm clamping range.
- Chrome vanadium steel, forged & oil hardened.

PLIERS

HOG RING PLIERS





Part No. **113503** (7-3/4" overalll length)

SPECIAL GROOVES SECURES & POSITIONS CLIPS CORRECTLY

PSSB122016

Use for repairs to car seats, new seat covers, replace sensors or heating mats.

- For professional repair on profiled seats to the seat frame with all popular upholstery clips.
- Easy operation, user friendly.
- Special tool steel, forged, oil-hardened.
- Multi-component grips.
- Durable and strong.

EAR CLAMP PLIERS (For 1 & 2 Ear Clamps)

PSSB122016



Universal Side Jaw





Part No.'s **113511** & **113512*** (8-3/4" overall length)

For simple and reliable mounting of 1-ear & 2-ear clamps (Oetiker System or similar).

- No damage to press points on ear clamps.
- Slim head design permits good accessibility in confined areas.
- Versatile use for clamps on CV boots, cooler & fuel lines, air pressure systems & compressors.
- Durable & strong high grade special tool steel, forged & oil hardened.

*** Especially suitable for universal use due to additional side jaw (Part No. 113512).**

NEEDLE NOSE COMBO PLIERS

PSSB122016



SLIM GRIPS

COMFORT GRIPS







Part No.'s **113513 & 113514** (6" overall length)

For working in confined areas with the slim head design & pointed jaws (anti-twist).

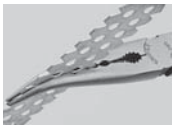
- Securely grips flat parts.
- Milled groove in gripping area.
- Permits nails, pins, bolts & small parts to be held & pulled.
- Easy cutting due to high leverage joint.
- Cutting edges for soft, medium-hard and hard wire.
- Long service life and stable tips.
- Forged from high grade tool steel, manifold oil-hardened.

EXTRA LONG NEEDELE NOSE PLIERS

PSSB122016







Part No. **113516** (11-1/4" overall length) **STRAIGHT**

Part No. **113596** (11" overall length) **CURVED STYLE**

Slim, long design for gripping, adjustment & assembly work in hard-to-reach areas.

- Deep parts can be easily reached using the slim, half round tips.
- Grip, hold & guide small copper pipes, screws, cables as well as other round parts.
- Serrated pipe grip for round parts.
- Used especially in the automotive trade & mechanical engineering industries.
- Slim yet robust tool.
- Special tool steel, oil-hardened and tempered.

COBALT® XL COMPACT BOLT CUTTERS

PSSB122016





Straight blades



Blades with recess for easier cutting of larger cross sections due to better leverage

Part No. **113597 STRAIGHT STYLE**

Part No. **113598 RECESS STYLE**

(10" overall length)

For powerful cutting of larger cross-sections as well as very hard materials.

- 60% less effort compared to high leverage diagonal cutters of the same size.
- 40-fold increase of manual force due to special joint design.
- Two-hand operation for maximum cutting force.
- Gripping surface below the joint for gripping & pulling wires with a diameter as from 1.0mm.
- Induction-hardened precision blades: cutting edge ardness approx. 64HRC.
- Chrome vanadium heavy duty steel, forged, manifold oil-hardened.

PLIERS

SIPHON & CONNECTOR PLIERS

Plastic jaws protect sensitive areas from damage.

- Box joint design for greater stability & durability.
- Working capacity: 10mm to 75mm.
- Ideal for tightening & loosening siphon screw connections, plastic pipe fittings & round union nuts.
- Detaches hoses & gently loosens stuck hoses & fittings.
- Fine serrated edge grips screw connections gently but powerfully.



PSSB020316



VIDEO AVAILABLE

Part No. **113504** (10" overalll length)

25 ADJUSTMENT POSITIONS WITH THE PUSH OF A BUTTON



CLOSE UP VIEW

HOSE CLAMP PLIERS (For Click Clamps)

Used to open and close click clamps.

- Slim head design with narrow width and rotating grip inserts.
- Good leverage allows clamps to be opened or closed again with minimum effort.
- For easy working on fuel hoses, vacuum pipes and suction nozzles.
- Additional function; detaches hoses gently using serrated jaw.





PSSB020316

VIDEO AVAILABLE



Part No. **113505** (9-7/8" overall length)

OPENING MINIMUM 1/2" TO 2-5/16" MAXIMUM.

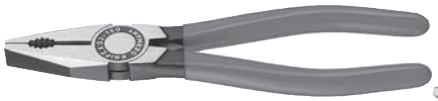


CLOSE UP VIEW

COMBINATION PLIERS

Black atramentized pliers with plastic coated handles.

- Use on medium hard wire, hard wire, copper cable and multistranded wire.
- Gripping zones for flat and round material.
- Cutting edges for soft or hard wire.
- Long cutting edges for thicker cable.
- Cutting edge hardness approx. ca. 60 HRC.
- Special tool steel, forged and oil-hardened.



Part No. **113506** (7-5/16" overalll length)



CLOSE UP VIEW

PSSB020316

COMBINATION PLIERS (With Comfort Grip)

With comfort grip plastic coated handles.

- Gripping zones for flat and round material, suitable for versatile use.
- Cutting edges for soft or hard wire.
- Long cutting edges for thicker cable.
- Cutting edge additionally induction hardened approx. 60 HRC.
- Special tool steel, forged and oil-hardened.



Part No. **113507** (7-5/16" overalll length)



CLOSE UP VIEW

PSSB020316

MULTI-PLIERS

"6" tools-in-one - cuts, strips, crimps, grips, bends & de-burs.

- Use as a cable shear.
- Will not crush or fray wire or conductor cables.
- Easily strips cable sheathing.
- Features a universal crimper.
- Use for gripping & moving of parts.
- Use to pierce & de-bur.
- Bend & munipulate using the tip of the gripping jaws.
- Use the outside head for scraping & cleaning.



Part No. **113508** (8" overalll length)



CLOSE UP VIEW

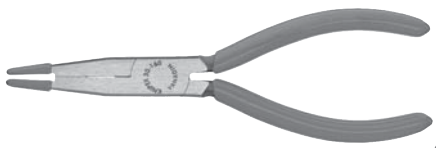
PSSB020316

HALOGEN BULB EXCHANGE PLIERS

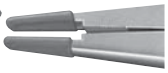
For the installation of wedge bulb lamps.

- Plastic coated gripping surfaces.
- Plastic coated handles.
- Polished head.
- Black atramentized pliers.
- Chrome vanadium electric steel, forged and oil-hardened.





Part No. **113509** (6-1/4" overalll length)



CLOSE UP VIEW

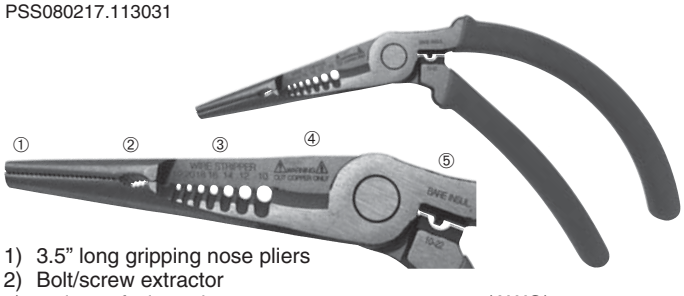
PSSB020316

D11

PLIERS

FIVE IN ONE - PISTOL GRIP PLIERS

PSS080217.113031



1) 3.5” long gripping nose pliers
2) Bolt/screw extractor
3) 7 sizes of wire strippers: 10-12-14-16-18-20-22 (AWG)
4) Wire cutter
5) Crimps fasteners 10-22 (AWG)

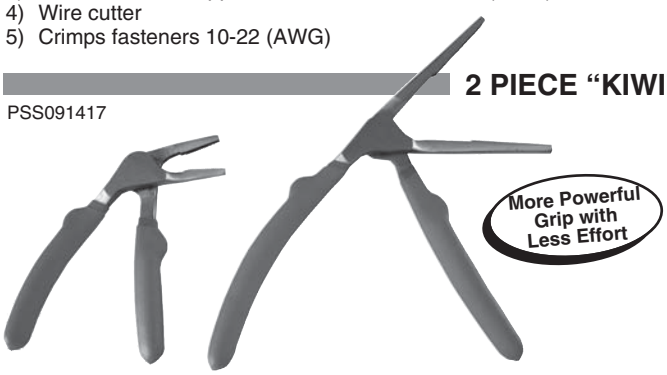
10” long nose pliers with crimping, cutting, wire stripping, and fastener extraction functions.

- Offset jaws offer a clear line of sight to the work being performed
- Ergonomic design of pistol grip is easier to use in difficult to reach areas
- Offers better orientation of the hand and forearm during grip exertion, reducing muscle fatigue
- All pliers exceed ANSI and ASME standards

Part No. 113031 (10” overall length)

2 PIECE “KIWI” PLIERS SET

PSS091417



- Includes 6” short nose & 8” long nose “Kiwi” pliers.
- Needle-nose pliers at an angle.
- Better hand alignment provides a clear line of sight.
- Curved handles fit your hand comfortably.
- Internal spring opens the pliers jaws.
- Made from heat treated long lasting quality steel.

Part No. 113032

PLIERS and CLAMPS

VISE-GRIP® STRAIGHT JAWS

Without Wire Cutters



PART NUMBER	LENGTH	JAW THICKNESS	JAW ADJUSTMENT	REPLACEMENT SPRINGS
113380	10"	5/8"	1-1/2"	**---**
113381	7"	7/16"	1-1/8"	**113397**

VISE-GRIP® LONG NOSE – LOCKING

With Wire Cutters



PART NUMBER	LENGTH	JAW THICK AT TIPS	JAW THICK AT BASE	JAW ADJUST AT TIPS	JAW ADJUST AT BASE	JAW LENGTH	REPLACEMENT SPRINGS
113385	9"	3/16"	13/32"	3"	1-3/4"	2-1/2"	**113397**
113386	6"	1/8"	5/16"	2-1/4"	1"	1-3/4"	**113398**

VISE-GRIP® CURVED JAWS – LOCKING

With Wire Cutters



PART NUMBER	LGTH	JAW THICK	JAW ADJST	REPLMNT SPRINGS
113382	10"	3/8"	1-7/8"	**---**
113383	7"	5/16"	1-5/8"	**113397**

PART NUMBER	LGTH	JAW THICK	JAW ADJST	REPLMNT SPRINGS
113384	5"	1/4"	1-1/4"	**113398**

VISE-GRIP® LOCKING "C" CLAMP

Long Reach "C" Clamp
Length: 18"
Jaw adjustment: 7"

With Swivel Pads



Replacement Springs Available
Part No. 113399

Part No. 113389

VISE-GRIP® LOCKING "C" CLAMP

Regular "C" Clamp
Length: 11"
Jaw adjustment: 3-3/4"

With Swivel Pads



Part No. 113390

VISE-GRIP® LOCKING "C" CLAMP

Mini "C" Clamp
Length: 6"
Jaw adjustment: 2"

With Swivel Pads



Replacement Springs Available
Part No. 113398

Part No. 113391

VISE-GRIP® PINCH-OFFS – LOCKING

- Special designed for refrigeration industry.
- Pinch-off & lock copper tubing instantly.
- Ideal for emergencies - no shut off valves needed.

Length: 7"
Throat Depth: 1"
Jaw Thickness: 1/4"



Replacement Springs Available Part No. 113397

Part No. 113393

VISE-GRIP® CHAIN CLAMP

Tool Length: 9"
Chain Length: 19"



Part No. 113392

MEYERPLIER

The ANYWHERE Combo Vice/Clamp.

- Goes anywhere, clamps to almost anything.
- Securely clamps objects while leaving both hands free to work.
- Use for sawing, drilling, filing, soldering, welding, painting, gluing, sanding, bending and much more.
- A compact, high quality tool, the MEYERPLIER is also a locking plier, a c-clamp and a wire cutter.



Part No. 213617
10" length

SURE GRIP LOCKING TOOL

The world's smallest locking tool.

- Adjustable toggle joint clamp guarantees the highest clamp force.
- Compact design 3-1/2" long, weighs 2-1/2 ounces.
- Works in extremely small spaces.
- Made of heat treated aircraft aluminum alloy.
- One handed operation. Just adjust, clamp & release.
- Resistant against welding splashes.
- Fits in the palm of your hand.

Handy, Practical & Universally Usable

SMP121009

Part No. 213352

E-Z SET & FORGET PLIERS

Self Adjusting Pliers - lock on any size without adjusting.

- Simple one-handed use.
- Meets or exceeds ANSI & ASME, standard for material, hardness,strength & performance.



Grab Thick



Grab Thin

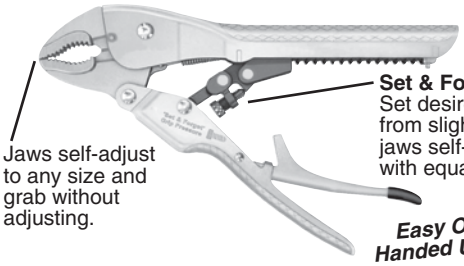
Without Adjusting!!

Self-Adjusting Locking Pliers Automatically Locks On Any Size

PART	SIZE (INCHES)	DESCIPTION
113581	6	Curved Jaw
113577	7	Needle Nose
113580	10	Curved Jaw
113585	Set	Includes all three sizes



SMP122208



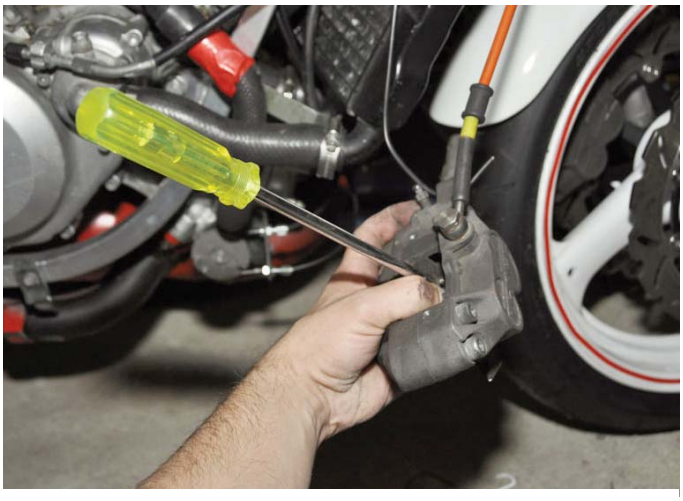
Jaws self-adjust to any size and grab without adjusting.

Set & Forget:
Set desired clamp pressure, from slight to extreme, and jaws self-adjust to any size with equal grip pressure.

Easy ONE Handed Usage

D11

D SECTION TOOLS & SHOP SUPPLIES













SCREWDRIVERS

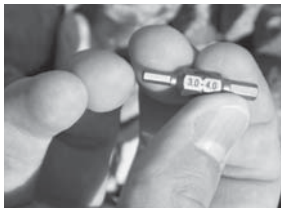
ULTRA DRIVER - PROFESSIONAL MULTI-TOOL

Ultra lite, ultra compact, ultra fast access and ultra quality

PSS111616.213150.51.52

- Quick release locking bit holder.
- High torque cushion grip ergonomic handle.
- Spring loaded cartridge for fast access.
- "Grab & Go" with 26 assorted tips.
- Double ended bits.
- Pro quality driver - made in Germany.
- Hardened tempered CVM tool steel bits.
- Precision machined for an exact fit.





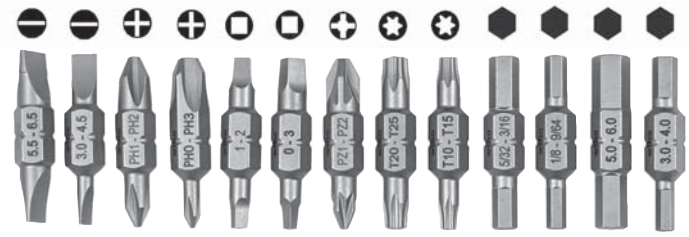


ULTRA DRIVER - TRADESMAN

26 one

wiha Tools that work for you





Part No. 213150

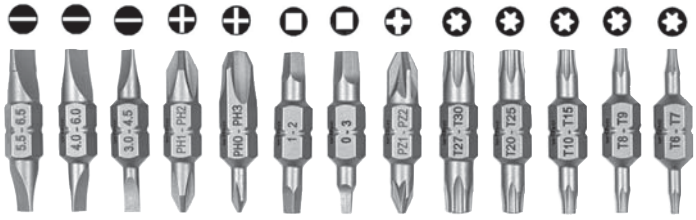
Torx: T10 & T15, T20 & T25
Phillips: #0 & #1, #2 & #3
Pozidriv: #1 & #2
Square: #0 & #1, #2 & #3
Slotted: 3.0, 4.5, 5.5, 6.5mm
Metric Hex: 3.0 & 4.0, 5.0 & 6.0mm
Inch Hex: 1/8" & 9/64", 5/32" & 3/16"

ULTRA DRIVER - TECHNICIAN

26 one

wiha Tools that work for you





Part No. 213151

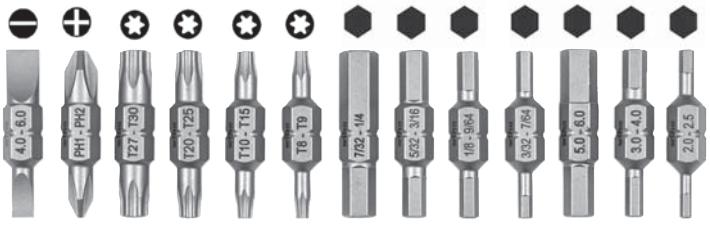
Torx: T6 & T7, T8 & T9, T10 & T15, T20 & T25, T27 & T30
Phillips: #0 & #1, #2 & #3
Pozidriv: #1 & #2
Square: #0 & #1, #2 & #3
Slotted: 3.0 & 4.0, 4.5 & 5.5, 6.0 & 6.5mm

ULTRA DRIVER - INDUSTRIAL

26 one

wiha Tools that work for you





Part No. 213152

Torx: T8 & T9, T10 & T15, T20 & T25, T27 & T30
Phillips: #1 & #2
Slotted: 4.0 & 6.0mm
Metric Hex: 2.0 & 2.5, 3.0 & 4.0, 5.0 & 6.0mm
Inch Hex: 3/32" & 7/64", 1/8" & 9/64", 5/32" & 3/16", 7/32" & 1/4"



SCREWDRIVERS

SCREWGRAB™

Helps remove or tighten screws, nuts and cap screws.

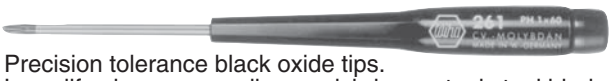


- Increases grip between screwdriver and screw by 400%.
- No special tools needed.
- Especially designed for partially stripped heads.
- Perfect solution to a hair-tearing, knuckle-busting problem.
- Positive grip between metal surfaces with just one drop. Allows screw to turn freely.
- Odorless, non-toxic, and non-corrosive.
- Works instantly, will not damage surfaces, wipes clean.
- Eliminates tool wear.

Part No. 211105 (12)
.5 fl. oz.

PRECISION SCREWDRIVERS

Electronics service and assembly, medical and industrial maintenance and automotive.



- Precision tolerance black oxide tips.
- Long life chrome-vanadium-molybdenum tool steel blades.
- Comfortable tapered handles molded to blades.
- Precise turning and control with finger tip rotation cup.

7 PIECE COMBINATION SET
Part No. 214003

Contains: 1/16 x 1-9/16, #00 x 1-5/8, #0 x 2, 5/64 x 2, 3/32 x 2, #1 x 2-3/8 Phillips. 1/8 x 2-3/8 Slotted and



15-in-ONE RATCHET SCREWDRIVER



Includes Sizes:
1/8", 1/4", 3/16", 5/32", PH0, PH1, PH2, PH3, S1, S2, T-15, T-20, plus spare 1/4" & PH2

Part No. 213340

- 3 position ratcheting choose forward, reverse, or stationery.
- Industrial strength heat treated S-2 steel bits for maximum durability and longer life.
- Patented ball bearing on each double ended bit locks on tight to keep bits secure.
- A slight turn of the spring loaded bit selector knob opens the chamber for easy access & storage.

STANLEY SCREWDRIVER SET

- 100% acetate handles for heavy duty industrial use.
- Durable alloy steel blades.
- Precision-ground tip ensures a secure fit.
- Chrome-plated to resist corrosion.
- 8 popular sizes includes pouch.

Contains:

1/4" x 1-1/2" slotted	#2 x 1-1/2" phillips
1/4" x 4" slotted	#1 x 3" phillips
5/16" x 6" slotted	#2 x 4" phillips
3/8" x 8" slotted	#3 x 6" phillips



Part No. 213004

INSULATED SCREWDRIVER

Responds to OSHA's "Safety Related Work Practices" For employee's who work near exposed energized conductors or circuit parts.



- Blade is CVM tool steel, salt bath hardened to an average 58RC.
- Provides protection against electrical shock.
- Insulation molded directly onto blade for permanent bonding.
- Ergonomic power handle grip, impact resistant, made of cellulose-acetate.
- Certified for up to 1000 volts AC & up to 1,500 volts DC.

Individually tested to 10,000 volts

4 PIECE SET • Part No. 214200
Contains: 9/64 x 4, 3/16 x 5, #1 and #2 Slotted & Phillips

SPECIFICATIONS:
Meets: DIN 7437, Draft 11/90, VDE New 0680/part 201, IEC 900, 100 volt spec. "GS" mark for individual test.

10 PIECE DURA DRIVER SET

Contains:

#1 x 4" phillips	3/16 x 6" electricians round
#2 x 4" phillips	1/4 x 1-1/4" mechanics stubby
1/4 x 4" mechanics round	#2 x 1-1/4" phillips stubby
1/4 x 6" mechanics round	#0 x 2" phillips pocket clip
3/16 x 3" electricians round	1/8 x 2" instrument pocket clip

Part No. 213129



- Ergonomic, high efficiency, high torque handle.
- Cushioned rubber for comfort & slippage control.
- Tool steel shafts for strength & durability.
- Brightly zinc plated blade to prevent corrosion.
- General purpose set - carded.

INSULATED MULTI-BIT SCREWDRIVER



Individually tested to 10,000 volts





Part No. 214211

- Contains 6 bits: 3 phillips plus 3 slotted.
- 1/4" magnetic bit holder - holds bits and screws.
- Bits conveniently store in handle with snap and lock cap.
- Provides protection against electrical shock, as long as bit remains in screwdriver.
- Insulation molded directly onto blade for permanent bonding.
- Ergonomic power handle grip, impact resistant, made of cellulose-acetate.
- Not rated by VDE, DIN, IEC, or GS.
- Clear selector prevents bit losses.

SCREWDRIVER BITS

PHILLIPS INSERT BITS

PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114306	0	1
114307	1	1
114308	2	1
114309	3	1



Part No. **114305 - 1/4"**
Hex Shank Bit set:
1 ea. of No. 0, 1, 2 & 3 bits

PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114311	1	1-1/4
114312	2	1-1/4
114313	3	1-1/4
114314	4	1-1/4



Part No. **114310 - 5/16"**
Hex Shank Bit set:
1 ea. No. 1, 2, 3 & 4 bits

PHILLIPS POWER BITS

PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)	BODY DIAMETER (IN.)
114316	1	1-15/16	3/16
114317	2	1-15/16	1/4
114318	3	1-15/16	9/32



Part No. **114315 - 1/4"**
Hex Shank Bit set:
1 ea. of No. 1, 2 & 3 bits

SLOTTED INSERT BITS

PART NUMBER	SCREW SIZE	BLADE WIDTH (IN.)	OVERALL LENGTH (IN.)
114320	4	3/16	1
114321	5	7/32	1
114322	6	1/4	1
114323	8	9/32	1



Part No. **114319 - 1/4"**
Hex Shank Bit set:
1 ea. of No. 4, 5, 6 & 8 bits

PART NUMBER	SCREW SIZE	BLADE WIDTH (IN.)	OVERALL LENGTH (IN.)
114325	8-10	1/4	1-1/4
114326	10-12	9/32	1-1/4
114327	14-16	5/16	1-1/4
114328	16-18	1/2	1-1/4

Part No. **114324 - 5/16"**
Hex Shank Bit set:
1 ea. No. 8-10, 12-14, 14-16 & 16-18 bits

SQUARE RECESS

PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114336	1	1
114337	2	1
114338	3	1



Part No. **114335 - 1/4"**
Hex Shank Bit set:
1 ea. of No. 1, 2 & 3 bits

1/4" HEX SHANK INSERT BIT HOLDER

- 7/16" body.
- 3" long.



Part No. **114353**

BIT HOLDERS



Part No. **114352**
Fits 5/16" Hex 3/8" Drive



Part No. **114351**
Fits 1/4" Hex 1/4" Drive

MAGNETIC HEX DRIVERS

PART NUMBER	HEX HEAD SIZE
53510	1/4
53511	5/16
53512	3/8

- 1/4" hex drive for hex head screws & machine nuts.
- 1-3/4" length.



SLOTTED POWER BITS



PART NUMBER	SCREW SIZE	BLADE WIDTH (IN.)	OVERALL LENGTH (IN.)
114330	8-10	1/4	1-5/16
114331	10-12	9/32	1-5/16
114332	14-16	5/16	1-5/16

Part No. **114329 - 1/4"**
Hex Shank Bit set:
1 ea. of No. 6-8, 8-10 & 10-12 bits

TORX BITS

PART NUMBER	TORX SIZE	OVERALL LENGTH (IN.)
114340	T-10	1
114341	T-15	1
114342	T-20	1
114343	T-25	1
113189	T-27	1
113190	T-30	1
113191	T-40	1

Part No. **114339 - 1/4"**
Hex Shank Bit set: 1 ea. of No. T-10, T-15, T-20, T-25, T-30 & T40

PART NUMBER	TORX SIZE	OVERALL LENGTH (IN.)
114347	T-30	1-1/4
114348	T-40	1-1/4
114349	T-45	1-1/4
114350	T-50	1-1/4



Part No. **114346 - 5/16"**
Hex Shank Bit set: 1 ea. of No. T-30, T-40, T-45 & T-50

MAGNETIZER/DEMAGNETIZER

Ideal for magnetizing tools and small parts instantly.

- Magnetize your own tools and parts on the job.
- Powerful permanent magnet for extended life.
- Shatterproof box is made from durable ABS plastics.
- Fits ideally into any tool box only 2" x 2" x 1".
- Simply lead tool or part through the lower square opening marked (+) For magnetizing and upper opening marked. (–) For demagnetizing.



Part No. **213697**

POWER IMPACT BITS, HOLDERS and SETS



- Designed for professional users of power impact tools.
- Outperforms all leading brands.
- Tips are machined by a proprietary computerized process.
- Made from S2 modified impact resistant steel.

PSS040815







PHILLIPS INSERT BITS



PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114253	#1	1
114254	#2	1
114255	#3	1

TORX INSERT BITS



PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114263	15	1
114264	20	1
114265	27	1
114266	30	1
114267	40	1

SQUARE INSERT BITS



PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114259	#1	1

SLOTTED INSERT BITS



PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114261	6-8	1
114262	8-10	1

PHILLIPS POWER BITS



PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114256	#1	2
114257	#2	2
114280	#2	2-3/4
114281	#2	3-1/2
114258	#3	2
114282	#3	2-3/4
114283	#3	3-1/2

TORX POWER BITS



PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114288	25	2
114268	30	2
114269	40	2

SQUARE POWER INSERT BITS



PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114260	#1	2
114289	#2	3-1/2
114290	#3	3-1/2

100PC MASTER DRIVER BIT SET

- Contains common and hard to find bits.
- Bits are made from S2 modified steel.
- Convenient to carry blow mold case. (6" x 4-3/4" x 1-3/4")



Part No. 114250

PHILLIPS	0,1,2R,2,3,4
POZIDRIV®	0,1,2,3,4
SQUARE	0,1,2,3,4
CLUTCH	5/32,3/16,1/4
SPLINE	4,5,6,8
TORQ-SET®	8,10,1/4,5/16,3/8
SPANNER	4,6,8,10,12
TRI-WING®	1,2,3,4,5
TORX®	6,7,8,9,10,15,20,25, 27,30,40,45,50
HEX	5/64,3/32,7/64,1/8,9/64,5/32, 3/16,7/32,1/4,5/16
SLOTTED	3-4,5-6,6-8,8-10,10-12,12-14
POZIDRIV® ACR®II	1,2,3
PHILLIPS ACR®II	1,2R,2,3
HEX TAMPER	5/64,3/32,7/64,1/8,9/64,5/32,3/16,7/32,1/4,5/16
TORX TAMPER	6,7,8,9,10,15,20,25,27,30,40

ADAPTER FOR 1/4" SOCKET 1/4" x 1"
ADAPTER FOR 1/4" SOCKET 1/4" x 2"
BIT HOLDER FOR 1/4" HEX BIT 1/4" x 2.236"
SOCKET FOR 1/4" HEX BITS

31PC DRIVER BIT SETS with RATCHET and SOCKETS



Part No. 114251

PHILLIPS	1,2,3
SQUARE	1,2,3
HEX	9/64,5/32,3/16,7/32, 1/4,5/16
TORX®	8,10,15,20,25,27,30,40
SLOTTED	4-5,6-8,8-10
ADAPTER	1/4" x 1/4" x 1"

QUICK RELEASE BIT HOLDER
SOCKETS 1/4,5/16,3/8,7/16,1/2
1/4" FEMALE HEX BIT RATCHET



Part No. 114252

PHILLIPS TAMPER	1,2,3
TORX TAMPER	8,10,15,20,25,27,30,40
HEX TAMPER	9/64,5/32,3/16, 7/32,1/4,5/16
SPANNER	6,8,10
TRIPLE SQUARE	4,5,6

QUICK RELEASE BIT HOLDER
SOCKETS 1/4,5/16,3/8,7/16,1/2
1/4" FEMALE HEX BIT RATCHET

POWER BIT HOLDERS

QUICK RELEASE – MAGNETIC



PART NUMBER	HEX OPENING	OVERALL LENGTH (IN.)
114270	1/4	3

MAGNETIC



PART NUMBER	HEX OPENING	OVERALL LENGTH (IN.)
114271	1/4	3
114272	1/4	6

POWER BIT SETS



Part No. 114274 • 34 Pieces

1 ea. of **#1,2,3 x 1" Phillips**, #1,2,3 x 1" Square, **5/32", 3/16", 7/32", 1/4" x 1" Hex**, 4-5, 6-8, 8-10 x 1" Slotted, **#20,25,27,30 x 1" Torx**, #1,2,3 x 2" Phillips, **#2 x 2" Square**, Mag. Bit Holder



Part No. 114273 • 21 Pieces

1 ea. of **#1,2,3 x 1" Phillips**, #1,2,3 x 1" Square, **#20,25,27,30 x 1" Torx**, #1,2 x 2" Phillips, **#1,2 x 2" Square**, #2 x 6" Phillips, **#2 x 6" Square**, Mag. Bit Holder, **1/4", 5/16", 3/8", 7/16" Mag. Nutsetters**

NUT SETTERS (MAGNETIC)



PART NUMBER	POINT SIZE	OVERALL LENGTH (IN.)
114284	1/4	2-9/16
114285	5/16	2-9/16
114286	3/8	2-9/16
114287	7/16	2-9/16
114291	1/2	2-9/16

HAMMERS, CHISELS, PUNCHES and PRYING TOOLS

DEAD BLOW HAMMER

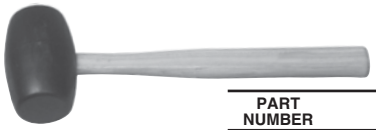


Part No. **813748**

Sheet metal shops, repair shops, machine tools and gear box construction, tire shops

- Reduces hand fatigue.
- Steel tube shaft with rubber hand grip for added comfort.
- Hammer weight: 26 oz.
- Handle: 12" long
- Head approx.1-5/8" x 4-7/8".
- Recoilless - will not bounce.
- Lead shot filled head - increases striking power by 30%.
- Polyurethane yellow tips - preserves sensitive surfaces & edges, shatterproof.

RUBBER MALLETS



PART NUMBER	HANDLE TYPE	MALLET COLOR	LBS. RATED
113525	Wooden	Black	2

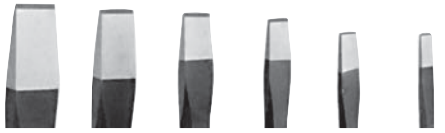
HOLD-DOWN CLIP



- For securing to floor or wall.

Part No. **213729** (10)

COLD CHISELS



- Forged alloy steel.
- Black lacquer finish.
- Heads & bits fully polished.

PART NUMBER	DIAMETER STEEL	LENGTH
113360	1/4	5
113361	5/16	5
113362	3/8	5-1/2

PART NUMBER	DIAMETER STEEL	LENGTH
113363	1/2	6
113364	5/8	6-1/2
113365	3/4	7

BALL PEIN HAMMERS

- Compression wedged hickory handle for added safety.
- High quality forged steel For strength & long life.



PART NUMBER	HEAD WEIGHT	OVERALL LENGTH
813741	4 oz.	10-1/4
813743	12 oz.	12-3/4

PART NUMBER	HEAD WEIGHT	OVERALL LENGTH
813744	16 oz.	13-3/4
813745	20 oz.	15

CLAW HAMMER



- 13" overall length.
- 16 oz.
- Drop forged.
- Hardwood handle.

Part No. **113527**

PIN PUNCHES



- Forged high grade steel.
- Hardened & tempered.
- Black lacquer finish.

PART NUMBER	POINT	DIA. STEEL	LENGTH
113368	1/8	5/16	6
113369	3/16	3/8	6

PART NUMBER	POINT	DIA. STEEL	LENGTH
113370	3/16	1/2	6
113371	1/4	1/2	6

CENTER PUNCHES



- Forged high grade steel.
- Black lacquer finish.
- Polished heads & tempered.

NOTE: Always use safety goggles when using any chisel or punch.

PART NUMBER	DIAMETER STEEL	LENGTH
113375	1/4	3-1/2
113376	3/8	5

PART NUMBER	DIAMETER STEEL	LENGTH
113377	1/2	6

PILOT PUNCHES (For removal of roll or spring pins)



Part No. **113582**
Contains one each:
1/8" - 5/32",
3/16" - 7/32",
1/4" - 5/16"



- Speed up pin removal, safely.
- Center perfectly over pin.
- Eliminate damage to pin or wall of hole.
- Drive pin completely through hole without sticking.

Each punch has a pilot point that fits into the hollow center of the pin, holding the driving shoulder of the punch in the perfect contact position during the entire removal operation.

MULTI WEDGE™ NON-MARRING PRY TOOLS

Great on plastic, wood, upholstery, glass, fiberglass, painted surfaces! Easily pry bezels, dashes, badges, trim, moldings, door panels, body work, seals and upholstery.

- Made of 2 different materials covering a complete range of applications.
- No other tool has a super thin tip (.005) allowing them to get into super tight gaps.

Part No. **113273**
Includes 3 of each Orange & Black Tools

The 4 in 1

Replaces screwdrivers, pry bars and all other metal tools that can cause damage and marring of delicate surfaces.
1) Pry Tool 2) Level Align Tool 3) Scraper 4) Shim



Orange Wedges are made of a softer Polyethylene Material 5230, very slick and smooth surface for a gentle prying applications.

PSS072414



Black Wedges are made of a very High Impact Ductile Polycarbonate Material. Designed for tough prying applications.

RULERS and GAUGES

LUFKIN® POWER RETURN TAPES

- 1" x 25'.
- Hi-Viz® orange case finish.
- Slide lock for easy blade locking at any length.
- Patented Quad Hook extends life by reducing blade breakage.



Part No. 113263

- 1/2" x 10' (13mm to 3mm).
- Hi-Viz® orange case finish.
- Cushion blade return.
- Fractional & metric.
- Bright yellow blade has clear easy-to-read numbers.



Part No. 113317

POCKET CALIPER

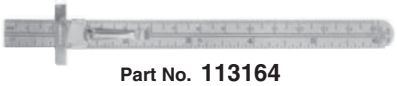
- Stainless steel.
- Measures inside or outside in both inches or millimeters.
- 3" rule in 64ths.
- Protective case.



Part No. 113166

POCKET RULE

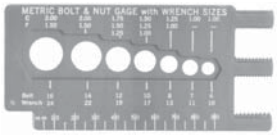
- Stainless steel.
- Metric and inch etchings on face.
- Protective case.
- Slide clip can be used as depth gauge.
- Decimal equivalents on back.



Part No. 113164

METRIC BOLT & NUT GAUGE

- Shows thread pitches available.
- Gauges the 7 most used sizes.
- Measures bolts and nuts instantly.
- Shows diameter & length.
- Accurate to .002mm.



Part No. 113163

STANDARD THREAD GAUGE

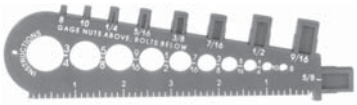
- Measures threads from 4-40 through 42.
- 30 blades.



Part No. 113168

INCH NUT & BOLT GAUGE

- Measures dia. & length.
- Measures both USS & SAE nuts.
- Measures even countersunk heads.
- Accurate to .005".



Part No. 113162

METRIC THREAD PITCH GAUGE

- Measures threads from .40 through 7.0.
- 20 blades.



Part No. 113169

PLASTIC BIG BOLT & NUT GAUGE

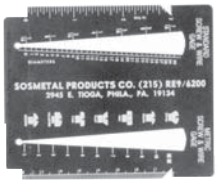
- Measures both metric and inches from 20mm to 50mm and 3/4" to 2".
- Used for bolts, nuts, washers, rod, pipe, and studs.



Part No. 113171

PLASTIC SCREW & WIRE GAUGE

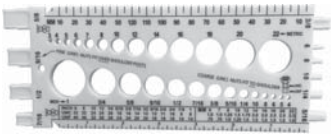
- Measures both metric and inches.



Part No. 113173

PLASTIC INCH & METRIC BOLT GAUGE

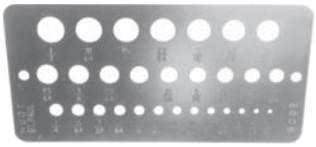
- Measures from 3mm to 22mm and #4 to 1" bolts, screws, drain plugs, and nuts #6 to 5/8.
- Includes thread pitch on the reverse side of gauge.



Part No. 113172

FRACTIONAL DRILL GAUGE

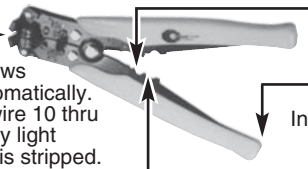
- Measures drill size.
- Constructed of prime steel and plated.
- 1/16" to 1/2" by 64ths.
- 3" wide x 6" long.



Part No. 213668

WIRE CRIMPERS, STRIPPERS, CABLE CRIMPERS and CUTTERS

WIRE STRIPPER



Wire Stripper
Unique steel jaws self-adjust automatically. Simply insert wire 10 thru 26 gauge, apply light pressure, wire is stripped. Gripping jaws hold wire while stripping insulation.

Wire Cutter
Precision machined blades cut wire easily & smoothly.

Handles
Insulated plastic for safety and reduction of hand fatigue.

Crimper
Crimps terminals 22 thru 10 gauge neatly & tightly.

- Completely automatic.
- Effortlessly strips all 10 thru 26 gauge wire with no time consuming adjustments.
- Combination wire stripper, crimper and wire cutter. Buy one tool instead of three !!

WIRE STRIPPER
Part No. 213375

There is no tool that strips wire faster!!

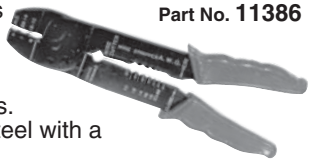
HEAVY DUTY CRIMPING TOOL



- Crimps 22 thru 6 gauge terminals.
- Strips 22 thru 10 gauge wire.
- Screw cutters for sizes 4 - 40 thru 10 - 32.
- Crimps non-insulated flag terminals.
- Cushioned grips.
- 3M Brand, TH-450.

Part No. 11384

ECONOMY CRIMPING TOOL



Part No. 11386

- 3-in-1 tool - cuts, strips, crimps wires from 22 - 10 AWG.
- Crimps insulated and non-insulated solderless terminals and ignition terminals.
- Made from quality hardened steel with a black phosphate finish.
- High voltage insulated handle won't crack, slip off or break.

PROFESSIONAL CRIMPING TOOL



- Requires less effort. Crimping nests located behind pivot point for better leverage.
- Crimps 7 and 8mm ignition terminals.
- Wire cutter and stripper located on front for better access in tight working areas.
- Cuts and strips wire from 22 to 10 AWG.
- Cuts 6 sizes of bolts from 4 - 40 to 10 - 32.
- Jumbo cushioned grip handles for comfort.

Part No. 11363

ROTARY CABLE STRIPPER

- Adjustable for cable sizes 8 ga. up to 4/0 ga.
- Heavy duty design - long lasting and safer to use.
- Precise depth control strips clean - will not nick or weaken conductors.



Rotate tool around cable.



Raise cable guide Place cable inside.



Remove insulation.



Part No. 213249

HEAVY DUTY CABLE CUTTERS



Part No. 322182

- Cuts cable up to 4/0.
- Not for use on steel.
- Machined blade surface eliminates binding.
- Molybdenum steel cutting blades prevent blade breakage and stay sharp.
- Fiberglass handles make tool lightweight yet sturdy.

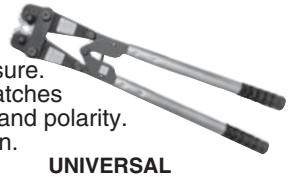
COMPACT CABLE CUTTERS



- Cuts battery or welding cable up to 4/0.
- Made of high quality 1/4" case hardened steel.
- Sharp, heat treated, high carbon cutting edges.
- Not for use on steel.

Part No. 322183

HEAVY DUTY CRIMPING TOOL



- Crimp terminals from 4 ga. (6ga. flared) through 4/0 ga.
- Over 1,000 lbs. of crimping pressure.
- Die codes appear on the tool. Matches crimping system die codes, size and polarity.
- Rotating dies to match application. No separate dies to change.
- 25" overall length.

UNIVERSAL
Part No. 322180

HAMMER CRIMPER



- Crimps lugs, splices and battery terminals sizes 8 gauge thru 4/0.
- V-shape nest design prevents over-crimping.
- Crimping scale included on side of tool assures proper crimp.
- Hammer ram down for perfect crimp.

Part No. 322181

CABLE TIE REMOVER/WIRE STRIPPER



PSS021913

- Safely remove cable tie & straps.
- Retrofit & repair wire harnesses & hose assemblies.
- Safety guards slide behind cable tie straps to prevent harming bundled items.
- Scissor action cutter.
- Strips wires 12-22 gauge.

Part No. 11372

PROFESSIONAL RATCHETING CRIMPER

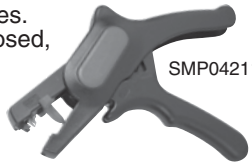


- Ratcheting action ensures a perfect crimp every time.
- Superior design & construction outperforms other crimpers.
- Replaceable crimping jaws.
- Eliminates damaged or distortedterminals.
- Crimps 10-22 ga. insulated terminals.

Part No. 18900

WIRE STRIPPER (FOR RECESSED AREAS)

- Narrow profile can easily access limited and hard to reach areas.
- Strips 22-12 gauge single or multiple stranded conductor wire.
- Automatically adjusts to wire size.
- Adjustable strip length gauge.
- Lightweight and easy to use.
- Hardened steel stripping blades.
- Lock keeps wire stripper in closed, compact position for storage.
- Also works as a wire cutter.



SMP042111

Part No. 213552

Additional crimpers may be found in Thomas and Betts Products, Section E14.

CRIMPERS and ELECTRICAL SERVICE TOOLS

ELECTRICIAN SHEARS

PSS091517

- Clean, non-slip cuts.
- Unlimited applications.
- Highest quality stainless steel, 56HRC.
- Professional quality.
- Cutting edge, with integrated cable cutter.
- Includes plastic belt case.





Part No. **113502**

6-1/8" Overall Length



QUICK CHANGE RATCHETING TERMINAL CRIMPING KIT

Easily change with the press of a lever.

7 Die Sets for the most popular auto. terminal crimping applications:

- Insulated terminals 22-10 AWG.
- Non insulated open barrel connectors 22-10 AWG inc. Weatherpack terminals.
- Fully insulated quick disconnect terminals with thinner wire barrels 22-10 AWG.
- Non insulated terminals 22-8 AWG.
- Miniature rings, spade & butt splices 26-16 AWG.
- RG-6 and RG-59 coaxial cable.
- 8mm and 8.5mm spiral core spark plug wire. Strips the insulation, crimps the spiral core to the spark plug terminal and crimps the terminal to the spark plug wire insulation.



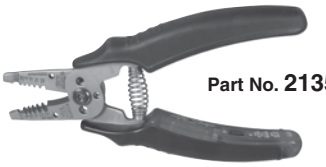
Part No. **213386** PSS1026103

VOLTAGE-SENSING PROFESSIONAL GRADE WIRE STRIPPER

Built-in voltage detector senses AC voltage from 50-600 V AC

2 popular tools in one!

BEEP! BEEP! BEEP!



Part No. **213555**

The first and only wire stripper with a built-in non-contact voltage sensor - providing additional safety with both audible and visual indicators you can clearly hear and see when AC voltage is present.

- Audible and visual alerts indicate the presence of voltage.
- Cuts and strips solid and stranded wire.
- Stainless steel body for maximum corrosion resistance.
- Ergonomic, cushioned handles for ultimate comfort and control.
- Double bevel cutting blades for superior nick resistance.
- Dual gripping positions for traditional or forward hand positions.
- Easy-to-read stamped and ink-filled markings.
- Cuts and rethreads bolt sizes 6-32, 8-32 and 10-32.
- Wire looping holes form wire to fit on screw terminals.
- Plier nose for gripping and pulling.
- cULus listed.
- Durable, drop resistant construction.
- Batteries included.

PROFESSIONAL RATCHET CRIMPING TOOL



For Heat Shrink Terminals

- Mating mechanism prevents slipping or mis-alignment.
- Long handles make it easier to crimp, requiring less force.
- Easy to use & understand release mechanism.
- Ergonomic design to initiate the crimp process.

4 CRIMP NESTS

- 8 AWG, Red
- 12-10 AWG, Yellow
- 16-14 AWG, Blue
- 22-18 AWG, Red



Part No. **213550**

AC SENSOR - SAFE - U.L. LISTED

Senses AC voltage w/o touching bare contacts or wires.

CAUTION: In order to ensure proper operation prior to each use, the "AC Sensor" should be checked on a known voltage carrying source, like any other type of sensor or meter.



Part No. **213499**

- **SAFE** - All surfaces non-conductive.
- **FAST** - Locates voltage through insulated wire.
- **EASY** - Probe tip glows bright red in presence of AC voltage 110-600 volts.
- **ACCURATE** - Differentiates between live and neutral wires.

Used in the following applications:

- Distinguishes between "live" and "neutral" wires.
- Detects"hot" wires in both single and three phase power.
- Identifies faulty in-line devices, blown fuses, breaks in insulated wire & cable, and defective circuit breakers.

CIRCUIT MASTER®

- Universal tester for primary & computer controlled systems.
- Includes probe adapter for sensitive computer connections.
- Safe to use on microprocessor control modules.

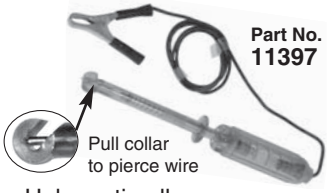
Part No. **213715**



- Operating range from 3 to 15 volts DC.

DC CIRCUIT TESTER

- Heavy duty 50 amp ground clamp attached to 44" rubber covered copper wire.
- For 6 & 12 volt system.
- Break-resistant plastic.
- Uses standard automotive Bulb No.1891. Change to 313 bulb for 24 volt system.
- Long nose reaches where hands can not.



- Hole on tip allows use as probe tester-just pull back on collar.

DC VOLTAGE DETECTOR

Buzzer & light to indicate voltage.

- Detects 6 - 50 volts DC.
- Sharp tip - penetrates fine & heavy wire.
- Can be used for marine, industrial or automotive.
- Test lead wire - 20 gauge, heavy duty, and heat resistant.
- LED light inside - never burns out.



Part No. **114374**

HEAT GUNS

MINI HOT AIR GUN

- Single heat setting -650°F.
- 3 Amps, 120 Volts.
- Ideal for use in tight areas.
- Excellent for shrink tubing, Shrink 'N Seal terminals, and Solder 'N Seal terminals.
- UL & CSA approved.



Part No. **814131**

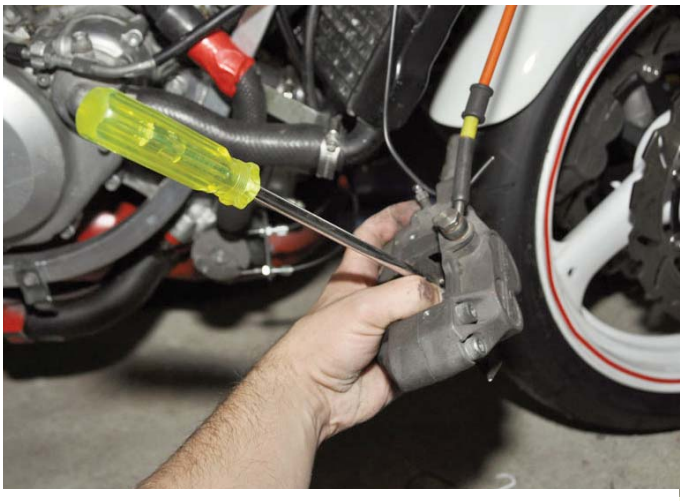
HEAVY DUTY - DUAL HEAT GUN

- Two heat settings -750° & 1000°F.
- 10 Amps, 120 Volts.
- Dual air speeds.
- No cool down necessary.
- UL & CSA approved.



Part No. **814127**

D SECTION TOOLS & SHOP SUPPLIES













ROUGH SERVICE BULBS, LONG LIFE LAMPS, HALOGEN, SPECIAL PURPOSE LAMPS and EXTENSION CORDS

ROUGH SERVICE BULBS



PART NUMBER	SIZE WATTS	VOLTS	RATED HOURS LIFE	QTY
11725	50	120	2,000	12
11726	75	120	2,000	12
11727	100	120	2,000	12

TUFF-SKIN SILICONE COATED ROUGH SERVICE BULBS

Safe & long lasting! Non-explosive, non-shattering, silicone coated.



- Not affected by water.
- Excellent for all outdoor use.
- Remains intact - armor-like transparent silicone protects against breakage and does not decrease light intensity.



Long life: Well suited for use indoors or outdoors including: Used car lots, truck terminals, service stations, garages, mines, farms and boat docks.

PART NUMBER	SIZE WATTS	VOLTS	RATED HOURS LIFE	QTY
11995	50	120	2,000	12
11996	75	120	2,000	12
11997	100	120	2,000	12

The "Rough Service Bulbs" have a unique filament design that resists shock and abuse ordinary bulbs can't withstand.

T-3 HALOGEN BULBS



PART NUMBER	WATT	DESCRIPTION
311231	150	T-3
311230	300	T-3
311227	500	T-3

LITE-TRONICS LONG LIFE TUFFSKIN BULB

OUR LITE-TRONICS **long life lamps are built better and lasts longer than any other lamp made in the world.**

Shatterproof & waterproof. **20,000 hr. lifetime**

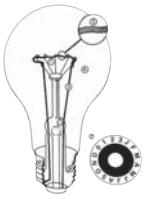


- Excellent for all outdoor lighting.
- Special coating will not shatter or explode.
- Special skin does not decrease light output.

PART NUMBER	SIZE WATTS	VOLTS	TYPE	LUMENS	RATED HOURS LIFE	QTY
312292	100	120	A-21	1070	20,000	6

These 7 features, and others make our lamp last an average of 20,000 hours....or longer!

1) 7 support filament design: Helps resist failure from vibration.
2) Heavy duty, high grade tungsten filament wires: Helps resist failure from evaporation.
3) Heavy duty lead wires: To help prevent sagging from vibration.
4) Brass base: (Rather than aluminum) to prevent corrosion and to keep lamps from sticking in their sockets.
5) Special bonding cement: Assures a permanent bonding of bulb to electrical base.
6) Inside coating of titanium: (Rather than Silica) for improved light reflection.
7) Date coding base: Assures you the exact life you get from your lamp.



13 WATT REPLACEMENT FLUORESCENT BULB

Bayco exclusive original spec. lamp.



- Ind. No. SL-103.
- Ultra bright white.
- 13w for 120 volt lights.

Part No. 311224

PROPER INSTALLATION FOR LAMPS:
Do not touch the lamp with your fingers. Use a clean rag or cloth to install lamp. Clean lamp with alcohol, when bulb is cool & turned off.

HEAVY DUTY TRIPLE CONNECTOR CORDS

- Indoor - outdoor 3 wire.
- Grounded orange vinyl extension cord.
- 14/3 SJT W.A. .390 O.D.



PART NUMBER	LENGTH (FEET)	AMPS
11113	25	15
11114	50	15

GROUNDED EXTENSION CORDS

- 3 wire grounded extension.
- 16/3 gauge wire.
- Molded vinyl cap.



PART NUMBER	LENGTH (FEET)	AMPS
11115	25	13
11116*	50	13

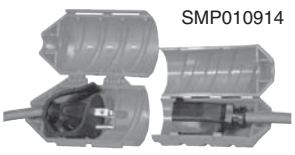
***Flat cable**

CORD CONNECT™

Eliminates disruptive disconnects while professionals work with power tools or extension cords.

- OSHA orange color.
- Twist to open & close.
- Works indoors & outdoors.
- Locks cords together.
- Water-tight gasket included.
- All weather plastic.
- Prevents water from reaching electric connection.

SMP010914



Part No. 312186

— Easy as 1 - 2 - 3 —



TROUBLE LIGHTS and ACCESSORIES

MINI FLUORESCENT TROUBLE LIGHT

360° swivel hook



- Half the size & 5 times brighter than a standard fluorescent utility light.
- 13 watt twin tube, replaceable bulb.
- Non glare reflector.
- Shatter resistant housing with 360° swivel hook/starter switch in handle.
- 18/2 SJT cord, plug-in ballast, 25 ft. cord.

For Replacement Bulb Order Part No. 311207

Part No. 311206

STANDARD TROUBLE LIGHT



- Oil, acid, grease and moisture resistant handle.
- 18/3 SJT wire, rated 10 amp - 125 volt.
- Metal guard.
- Side outlet and switch.
- Meets OSHA requirements for general use.

Part No. 11101 25' cord

Part No. 11102 50' cord

LAMP HANDLE

Part No. 11108

- IMPACT RESISTANT.
- UL approved.
- Phenolic handle includes 3 wire socket and switch.

METAL GUARD



Part No. 11107

- UNIVERSAL.
- Heavy galvanized steel.
- Fits all handles.

ROTATING MAGNETIC LED WORK LIGHTS



Part No. 311240
24 LED
Head Dia.: 2-3/4"
Base Dia.: 2"



Part No. 311245
48 LED
Head Dia.: 3-3/4"
Base Dia.: 2-5/8"

- High intensity LED lights.
- Sturdy aluminum housing.
- Strong magnetic base attaches to any ferrous metal.
- Rotates 360° degrees.
- Head pivots to direct light where it is needed.
- Batteries included.

PSS042312



CLAMPLIGHT



- The ultimate in versatility.
- Brilliant white LED's illuminate the work area.
- Head swivels in multiple directions.
- Clamps onto objects as wide as 2" x 4".
- Makes job hands free.
- Stands alone if there is nothing to clamp to.
- 100 Lumen CREE LED bulb.

PSS041514

Part No. 812955
Size: 2-1/2" W x 7-9/16" L

Uses (3) AAA batteries (#812900 not included)

CLAMPLIGHT MINI



- Brilliant white LED's that never need replacing.
- Makes job hands free.
- Stainless steel springs and pins for added durability.
- 15-18 Lumen CREE LED bulbs.
- Rotating head pivots in any direction.

PSS041514

Part No. 812956
Size: 1-1/8"W x 1-1/8" L

Uses (3) LR44/AG13 batteries (#812976 included)

RECTANGULAR INSPECTION MIRROR with three rotating LED lights



PSS042312

Part No. 311241

- 2-1/4 in. x 3-1/2 in. lighted mirror head.
- Adjust the three rotating LED lights to needed angle for inspection in tight dark areas.
- All-angle ball joint holds lighted mirror head tightly at any angle.
- Telescopes from 6-3/4" to 30".
- Stainless steel handle is long, strong, and lightweight.
- Heavy-duty grip will not slip in wet or oily hands.
- Comes with two 2032 batteries.

LED PENLIGHT MAGNETIC PICKUP TOOL



PSS042312

Part No. 311242

- Turn aluminum head clockwise to turn on bright LED light and illuminate dark areas.
- Handle telescopes from 7-3/16" to 27-3/16" and is stored in a sturdy aluminum body.
- Lifts 5 lbs.
- Comes with four LR43 batteries.

LED LIGHTED FLEXIBLE SPRING CLAW



PSS042312

Part No. 311243

- 25-1/4" long.
- Convenient side switch turns on / off bright LED light as needed.
- Press plunger and jaws open wide / release plunger and jaws clamp shut.
- Tightly wound spring snakes into tight areas to retrieve dropped objects.
- Comes with two 2032 batteries.

LED LIGHTED 4 PIECE INDIVIDUAL HOOK and PICK SET



PSS042312

Part No. 311246

- **Set Includes:** 90°, Complex, Hook, & Straight Picks.
- Measures 9-3/4" long.
- Durable carbon polished heat treated steel.
- Ergonomic composite handle with on/off button.
- High intensity LED light illuminates working end.

LED TELESCOPING MAGNIFYING GLASS

- (2) High intensity LED's.
- 2" viewing dia.
- 4X magnifying strength.



PSS042312

Part No. 311247

- All-angle ball joint holds the lighted magnifying head firmly for perfect viewing.
- Stainless steel handle telescopes from 10-3/4" to 37-1/4" for fast accurate inspection.
- Cushion handle will not slip in wet or oily hands.

BASCO LIGHTING PRODUCTS

POWER OUTLET RETRACTABLE WHEELS

- 30 ft., 16/3 wire cord with Tr-Tap outlet.
- Receptacle rated 10 amp.
- LED power status light built into outlet.

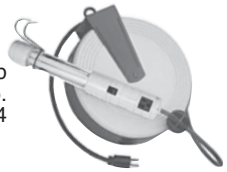


Part No. 311215

ROUGH DUTY FLUORESCENT WORK LIGHT on 40 FT. METAL REEL

- 16/3 SJT wire cord.
- Polarized plug outlet in handle.

For rpl. bulb use Part No. 311224



Part No. 311216

STUBBY FLUORESCENT WORK LIGHTS on RETRACTABLE REEL

- Standard Series.
- 20 ft., 18/2 wire cord.

For rpl. bulb use Part No. 311224



Part No. 311228

- Pro Series Heavy Duty Reel
- 50 ft., 18/2 wire cord.

Part No. 311217

UTILITY LIGHT on 40 FT. METAL REEL

- Metal lamp shield w/hook.
- 16/3 wire - 10 amp grounded receptacle.
- Use with 74 watt incandescent bulb.



Part No. 311218

INCANDESCENT WORK LIGHT w/RETRACTABLE REEL

- Metal shield.
- 50 ft., 18/3 SVAN wire cord.
- With Tap retractable.
- Uses 75 watt bulb.



Part No. 311219

REPLACEMENT WORK LIGHT HANDLE w/METAL CAGE

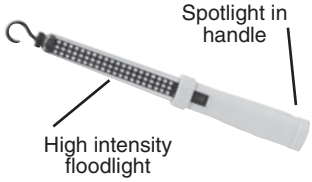
- Yellow poly. handle with 10 amp grounded receptacle and on/off switch.
- Yellow flame retardant polypropolene handle.



Part No. 311209

RECHARGEABLE DUAL-POSITION MAGNETIC LED WORK LIGHT

- 66's LED's for brilliant illumination.
- LED's are cool to the touch, 35,00 hour life.
- Magnet in top & body for hands-free lighting.
- Repositional hook for horizontal or vertical hanging.
- Chemical, moisture, impact resistant housing.
- Internal Nich battery pack, no memory effect.
- Chargers included.



Part No. 311238

13 WATT FLUORESCENT REPLACEMENT HEAD

- 13 watt ultra bright.
- 18/2 wire cord.
- 10,000 hour bulb.
- Nylon tipped hanger hooks.
- Impact tough housing.
- Rocker on/off switch.



Part No. 311225

PRO SERIES REPLACEMENT HEAD

- Fluorescent bulb included.
- Fits heavy duty 16/3 wire.
- 12 amp receptacle.



Part No. 311226

PRO SERIES ANGLE LIGHTS 13 WATT STUBBY FLUORESCENT

- Yellow poly. handle with ballast transformer and grounded receptacle.
- High impact protector with aluminized light reflector.
- Includes tool tap, 16/3 SJTW 25 ft. cord and is UL/CUL listed.

For rpl. bulb use Part No. 311224



Part No. 311220

FLUORESCENT STUB WORK LIGHT STANDARD SERIES

- 20 ft., 18/2 wire cord.

Part No. 311213



- 50 ft., 18/2 wire cord.

Part No. 311214
(NO RECEPTACLE)

INCANDESCENT WORK LIGHTS w/METAL CAGE

- With switch and convenience receptacle.
- Metal grounded guard with hook.
- 25 ft., 16/3 yellow, SJT jacket wire.

Part No. 311211



- 50 ft., 16/3 yellow, SJT jacket wire.

Part No. 311212

26 WATT ELECTRONIC COMPACT FLUORESCENT ANGLE LIGHT

- Slim design includes two 13 watt tubes.
- Dual switch, magnetic base and power outlet on handle.
- 25 ft., 16/3 SJT wire cord.

For rpl. bulb use Part No. 311224



Part No. 311222

1,000 WATT HALOGEN WORK LIGHT

- Work light and stand.
- Pole adjusts from 3 to 6 ft.
- Includes two spare bulbs.
- Top fixtures detach to make a floor unit.
- 6 ft. wire cord.

For rpl. bulb use Part No. 311227



Part No. 311208

FLASHLIGHTS and BULBS

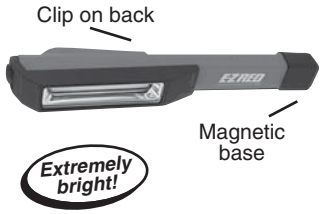
STEEL PENLITE



- Triple chrome plated button.
- Uses 2 “AA” cells batteries (not included).

Part No. 812912

POCKET COB LIGHT



- Light output 150 lumens.
- 7 hr. run time.
- Impact & weather resistant.
- Extra strong magnetic base.
- Pocket clip - makes it hands free.
- Operates on 3 AAA batteries (included).

Part No. 113930 PSS082114.1

TACTICAL BAT LIGHT



Part No. 311233
PSS082114.2

- 3 functions: high, low & strobe.
- 250 lumen high setting, energy saving low setting @ 100 lumens.
- High intensity 3W Cree LED.
- Up to 14 hr run time.
- Water resistant.
- Durable aluminum design.
- Length: 15.5”
- Operates on 3 AAA batteries (included).

RECHARGEABLE SLIM LIGHT



- Light output 100 lumens
- 175 lumen flood light
- 3 hr. COB / 4 hr. LED run time
- Water & impact resistant
- Micro USB rechargeable
- High power LED/COB
- Dual light: flood & beam
- Magnetic pocket clip
- Protected (3 hrs.) charge port
- Charge indicator
- Operates on 3.7V li-ion battery

Part No. 113035 PSS081117.113035

INDUSTRIAL FLASHLIGHT w/RING HANGER



Energy saving PR-6 bulb conserves 35% battery energy, or can also use PR-2 bulb. Safety switch guard to reduce accidental lighting. Sure grip ribbing for non-slip handling. Unique spare bulb compartment. Uses 2 “D” cells batteries (not included).

Part No. 812916

EVEREADY® LED FLOATING UTILITY LANTERN



- The Eveready® LED floating lantern features shatter-proof lens, rugged injection-molded and bright beam.
- Anti-roll foot for stability.
- Lifetime guarantee.
- Soft push-button switch.
- Uses 6V battery (not included).

Part No. 812919

EVEREADY® INDUSTRIAL FLASHLIGHT



- Heavy duty industrial light built to withstand a five-foot drop to concrete.
- Polypropylene housing resists grease, oil and gasoline.
- Shatter-proof lens.
- Wide switches for gloved hand.
- Uses PR2 Bulb and 2 “D” cells batteries (not included).

Part No. 812920

STANDARD FLASHLIGHT BULBS



- Energy saving 1.19 watt bulb.
- Fits standard 2-D cell battery flashlights.
- 2.38 volt.
- PR-2.

Part No. 615155 - 10 pack

WORK LIGHTS

DUAL WORKLIGHT



Part No. **311232**
PSS051816

6-1/2" L (closed)
8-7/8" L (extended)

- 250 lumens LED flashlight.
- COB worklight 190 lumens.
  Extend body to access COB worklight.
- 60 meters viewing distance with 200 lumen setting.
- Powerful magnetic base.
- Anodized aircraft-grade aluminum; water & impact-resistant.
- Includes belt holster and (4) AAA batteries.

HEMIPLUS 8-HOUR WORKLIGHT

- Patented Uni-Beam™ technology: 70° perfect beam.
- 8800 mAh lithium-ion battery recharges in 4 hrs - charge anytime.
- Aluminum chassis, no-slip grip.
- Illuminates entire engine compartment.
- Projects a broad & solid light pattern / no shadows or hotspots.
- Withstands heavy shop use.



Works hands free

PSS100214

Part No. **812917**



Magnetic Base

9" L x 1-3/4" W x 1" D

820 LUMENS | 8 Hours | Li-ion

33 LED PIVOT

- 28 LED face worklight.
- 5 LED top flashlight.
- 360° swivel hook.
- (3) "AA" batteries (included).
- Stands on its own or may be hung by a hook.
- The light stand allows it to be pivoted in the direction needed.

Works hands free

PSS100214

Part No. **812958**



8-1/2" L x 1-1/4" W

160 LUMENS

CLIPSTRIP™ AQUA

- Waterproof & floating.
- Strip array LED technology.
- Belt clip.
- Rechargeable 2200 mAh.
- Works hand free.

Waterproof

PSS100214

Part No. **812924**



Detachable Magnet



7-1/4" L x 1-1/2" W

180 LUMENS | 4.5 Hours | Li-ion | IP66

COB LED WORK LIGHTS

Latest technology

Ratcheting Head Feature



PRO SERIES product

44 WATT AC LED WORK LIGHT

- High powered COB LED - A/C powered.
- 4200 Lumen output.
- Remains cool to the touch - will not get hot.
- 3 ft. 18/3 SJTW cable.
- H-base design.
- Foam insulated handle.
- Ratcheting head feature.
- 50,000 hours life span.

PSS121014



4200 LUMENS

Part No. **311252**

12 WATT LED RECHARGEABLE LIGHT

- High powered COB LED.
- 1500 Lumen output.
- Remains cool to the touch - will not get hot.
- 2 hours run time (Lithium rechargeable batteries).
- H-base design.
- Foam insulated handle.
- Ratcheting head feature.
- 50,000 hours life span.

PSS121014



1500 LUMENS

Part No. **311253**

BATTERIES

ALKALINE LEAK PROOF INDUSTRIAL BATTERIES

DURACELL® **Lantern batteries -** *AMP/Hours



812907 6
6 Volt, 20AH*



†812910 4
12 Volt, 20AH*

DURACELL® **Industrial cells**



812901 12
9 Volt



812902 12
"D"size



812903 12
"C"size



812904 24
"AA"size



812900 24
"AAA"size

Duracell industrial batteries are constructed with an inner plastic lining to prevent leakage. This eliminates the possibility of damage to costly components. Duracell Alkaline industrial batteries cannot be purchased in retail stores and should not be confused with other Duracell batteries.

NOTE: NO "MP"'S ALLOWED ON BATTERIES.

†NOTE: PART NO. 812910 IS NOT ALKALINE.

LITHIUM BATTERIES

DURACELL®

Keyless entry systems, calculators, watches, organizers, security devices, camera's, computer memory, camcorder and glucometers.



ACTUAL SIZE





Part No. 812008
18 pieces • 6 items
12051 steel tray

812980	812982	812984
812981	812983	812895

Numbers in assortment

PART NUMBER	QTY	INDUSTRY NUMBER	VOLTAGE
812980	3	CR1616	3.0
812981	3	CR1620	3.0
812982	3	CR2016	3.0
812983	3	CR2025	3.0
812984	3	CR2032	3.0
812985	3	CR2450	3.0

"A23" ALKALINE BATTERY



- "A23" BATTERIES, 12V.
- Used for keyless entry systems, alarm systems, calculators, digital cameras and more.
- Sold 2 per pack.

Part No. 812979 2
"A23" 12V alkaline

"N" ALKALINE BATTERY



- "N" BATTERIES, 1.5V.
- Used for hand held meters, pagers, walkie-talkies, emergency lighting, and many electronics.
- Sold 2 per pack.

Part No. 812978 2
"N" 1.5V alkaline

ENERGIZER 357 BUTTON CELL BATTERY

Rest assured your device will remain powered for along time using trusted reliable Energizer button and coin cell batteries.



Actual Size 7/16"

Part No. 812976 (3)
1.5V lithium

Ideal for use in:
- Keyless entry.
- Digital thermometers.
- Car alarms and more...
- Replaces: Ind LR44, AG13, Panasonic SP357, Duracell D357/303, Maxell SR4W.

"3V" LITHIUM SIZE 123



- Delivers maximum power and longevity.
- Advanced technology for todays electronic & digital devices.

(Sold Individually)

Part No. 812977
"3V" lithium size 123

WELDING ACCESSORIES and SUPPLIES

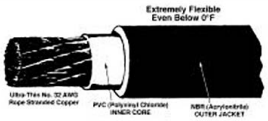
WELD-FLEX SUPER FLEXIBLE WELDING CABLE

Excellent for heavy duty battery and jumper cables

The finest welding cable available

- Rope stranded ultra-thin No. 32 AWG annealed copper wire.
- Conforms to all international specifications.
- High flexibility of conductor and jacket makes handling extremely easy.
- Double cover jacket of PVC inner core, NBR (acrylonitrile rubber) outer jacket exceptionally tough and durable, very resistant to abrasion, oil, heat, ozone, and most solvents.

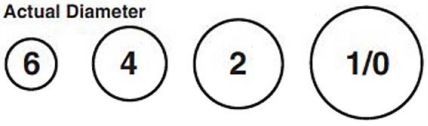
Sold by the foot. Custom cut lengths to meet your requirements. Minimum order: 10 feet



NOTE: For more cable products see page E11-4.

PART NUMBER	GAUGE	APPROX. # OF WIRES	CURRENT RATING (AMPS)
310226	4	660	162
310227	2	1050	279
310228	1/0	1670	390

Actual Diameter



CABLE CONNECTOR SET

- Add on - take off cable.
- Splice or repair cable.
- Shorter cable - save wear & tear.
- Save operator's time.
- Remove cable to prevent theft.
- Neoprene covers.
- Attaches with 7/32" hex wrench.



PART NUMBER	CABLE CAPACITY
412217	4, 2, 1, 1/0

Each set includes: (Order 1 set for each cable)
1 male connector 1 female connector 1 pair Neoprene covers

ELECTRODE HOLDER

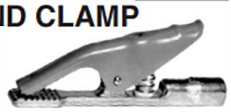


Part No. 412215

- 9-5/8" long.
- 19 oz.
- Cable size: 2/0.
- Hard fiber handle.
- Electrode thru 1/4" dia.
- High production 250-300 amp capacity.
- Manufactured of 98% pure copper alloy, heat treated, fiber glass insulators.

DOUBLE-LOCK GROUND CLAMP

Part No. 412216



- Provides superior conductivity. pressure.
- Large, flat contact surface.
- Long levered handles.
- 300 amp capacity.
- Cable size: 1/0 & 2/0.
- Jaw opening: 1-1/4"

CHIPPING HAMMERS

Weld cleaning tools

- Extra wide blade design.
- Extra slim tapered cones.
- Heavy duty handles shaped to fit hand.
- Hardened heads.

DUAL HAMMER

- 2 tools in one - chisel 7 replacement brush.
- Spring steel handle.
- Wire bristle brush.
- Triple welded brush frame for break resistance.

Part No. 412206



PINNED HEAD HAMMERS

- Pinned heads won't fly off.
- Won't transmit heat.

Cone & Chisel



Part No. 412204

Cone & Cross Chisel



Part No. 412205

SPARK-KEY™



Pocket Sized

PSS100214





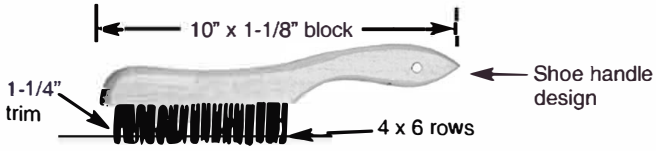
5-1/4" L x 2-1/2" W

Part No. 812986

- Ignites all butane, propane & gas torches.
- Quick, easy & safe.
- 100,000 sure fire sparks.
- Water resistant.
- No batteries required.
- Efficient & reliable ignition.
- 18 gauge stainless steel barrel.
- No-roll handle design.

WIRE SCRATCH BRUSHES

- Trimmed for maximum abrasive action.
- Top quality wire.



PART NUMBER	DESCRIPTION
412208	Stainless steel wire brush
812156	Steel wire brush

TIP CLEANER KIT

- Insures clean hot flames.
- Use of tip cleaners keeps welding and cutting tips free from slag and spatter.
- New design provides 60 or more cleaning edges per inch.
- Rounded cleaning surfaces won't jam or cut.
- Straight sided valleys insure thorough cleaning by removing all waste.
- Will not damage tip ports by scratching or deforming.

CLEANER NUMBER	FOR DRILL HOLE SIZE
7	75-74
8	73-72-71
10	70-69-68
12	67-66-65
14	64-63-62
15	61-60

CLEANER NUMBER	FOR DRILL HOLE SIZE
16	59-58
17	57
18	56
22	55-54
24	53-52
26	51-50-49



Part No. 412210
12 cleaners & 1 file for 27 drill hole sizes

WELDING ACCESSORIES and SUPPLIES

SPARK LIGHTER



- Large 1 square inch file area.
- Large diameter spark flint.
- Cartridge holding flint locks exactly into position.

PART NUMBER	DESCRIPTION	QTY
412211	Spark lighter	
412212	Replacement flints	6

SOAPSTONE AND HOLDER



- For marking cutting lines and weld areas.

PART NUMBER	DESCRIPTION	QTY
412213	Round aluminum soapstone holder with pocket clip & one soapstone	
412214	Soapstone refills	6

ANTI-SPATTER



Use on MIG nozzles, contact tips, electrode holders, fixtures, welding tips and wheels.

- Prevents weld spatter adhesion on any surface.
- No ozone depleting chemicals.
- No silicones, fluorocarbons, or carcinogens.
- Flash point above 300° F.
- 11 oz. net wt. (312g) Contents 20 fluid oz.

Part No. **812610**

HEAVY DUTY WELDING GLOVES



- Heat resistant.
- 4-1/2" heavy safety cuff.
- Heavy top quality leather - palm, back, fingers, cuff.
- Fully lined.
- Wing thumb.
- Gunn pattern.
- Seamless back.
- 12-1/2" overall length.

Part No. **312113**

WELDING BLANKETS



Use for general purpose welding, sparks and spatter.

PART NUMBER	DESCRIPTION
412240	6 ft x 6 ft

- 35 oz. (industry standard) white fiberglass-no coating.
- 1000°F melting temperature.
- .08" thick, grommets on 18" centers.
- Locked stitched with heat resistant fiberglass thread.

WARNING: Temperature and applications intended as a guideline only and implies no guarantee of performance. All blankets are subject to burn through. The product only provides temporary protection within their individual specifications. It is the users' responsibility to monitor the activity and use of the product at all times.

COOL GEL® HEAT BARRIER SPRAY



Helps protect surfaces during soldering, brazing and welding.

- Thick gel formula heat barrier spray - stays where it is sprayed!
- Reduces danger of fire to surrounding surfaces.
- Protects adjoining areas made of wood, wallboard, insulation, etc.
- Safe, non-toxic, harmless to skin and odorless.
- Non-corrosive, non-staining, no drips or runs.
- Easy clean up - wipe off excess when the job is done - or - wait 48 hours & it evaporates.

PROUDLY MADE IN THE USA

Part No. **44409** PSS031111

Trigger sprayer - quart size (32 oz.)

WELDING ROD CANISTERS



MADE IN THE USA

- Each canister provides air tight storage for welding rods. It protects them from moisture, contaminents, and damage.
- Constructed of high impact polyethylene - they can be reused for many years.
- Threaded cap includes a long lasting neoprene seal.
- Great for on-the-go repairs.



Holds up to 10 pounds of welding rods

Part No. **818014** for 14"
Part No. **818018** for 18"

WELDING ACCESSORIES and SUPPLIES

BIONIC™ SHIELD



The Bionic™ Shield...is a revolutionary face shield.
Designed for rugged jobs, it's tough where it has to be, yet extremely lightweight and balanced for all-day comfort.

- Extended top-of-head coverage.
- Superior optics and full face visor designed to maximize visibility and protection.
- Quick, easy and economical visor replacement.
- Built-in chin protection deflects flying particles and debris.
- Flips down for hands free availability.
- Lightweight, ergonomically designed for long term wear.
- Can be comfortably worn with most goggles and respirators.

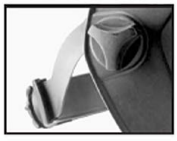


Meets ANSI Z87.1-2003 (High Impact) and CAS Z94.3 standards.

Part No. 812661
Replacement Shade Clear (sold separately)

Part No. 812669
Replacement Welding Shade - Shade 5.0 (sold separately)
Infra-dura® Welding shade for cutting operations

Part No. 812668
Clear Lens (included)
Ideal for most indoor work applications



Highly adjustable headgear tilts visor nearer or farther from face depending on preference and application.



Easy-to-set, ratcheting headgear locking mechanism assures comfortable, secure fit.



Shell offers built-in chin protection and extended top-of-head coverage.



Comfortable cell foam on back of headgear.

FACE SHIELDS

Greatest protection available.

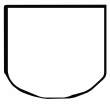


- Meets ANSI Z87.1-1979 specifications.
- Positive lock head gear.
- 2 dimension snap-in locking head gear.
- 8" x 12" x .040 window (not included).

Part No. 812556
(Order window separately from chart to the right)

WINDOWS FOR SHIELDS

PART NUMBER	SIZE INCHES	COLOR	USED WITH SHIELD NO.
812558	8 x 12 x .040	Clear	812556
812559	8 x 12 x .040	Green-shade B	812556
		B - Medium Green	



AUTO DARKENING WELDING HELMET

- Viewing size: 4" x 2-3/8".
- Viewing area switches from dark to light within seconds.
- Mask made of high impact resistant special nylon.
- Light state shade: 4 / dark state shade: 9-13.
- Power supply solar cell & lithium batteries.
- UV/IR protection: DIN 15.
- CE EN 379, ANSI Z87.1, CSA Z94.3.

Part No. 812673
PSS122012



FLASH GLASSES

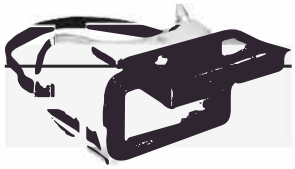
- Provides flash protection against infrared radiation.
- Worn under welding helmets.
- Adjustable temples.
- Green perforated side shields.
- Universal bridge.
- Durable ebony frame.
- Heat treated dark green glass lenses.
- Large 40mm eye size.



Part No. 812544

FLIP FRONT GOGGLE

- Soft, flexible frame contains effective air circulation system.
- Flexible vinyl construction.
- Adjustable elastic head band.
- Fits over eye glasses.
- Hinged, lift-front door.
- 2" x 4-1/4" lens (Gold shade no. 5 included).
- Lens plate can be easily changed.



Part No. 412226

LENSES AND PLATES

- Ultimate shield against infra-red and ultra-violet radiation.
- Superior visibility compared to standard green lenses.
- Reduces eye strain and fatigue.
- Highly improved view of weld puddle.



*** Special gold reflective coated lenses.**

PART NUMBER	SIZE INCHES	COLOR	MATERIAL	USE WITH PART NUMBER	QTY
812539	2 x 4-1/4	Clear-Cover	CR-39 cover	In front of filter	6
			plastic plate	Lens all 2 x 4-1/4	
412223	4-1/2 x 5-1/4	Clear	Cover plate		3
412222*	4-1/2 x 5-1/4	No. 10 Gold	Polycarbonate		

WARNING: Always replace pitted or scratched protective lenses and plates. Always use a clear cover plate over lenses.

COLOR SELECTION GUIDE

SHADE NO.	STD. VISIBLE TRANS.	ULTRA-VIOLET TRANS.	INFRA-RED TRANS.	RECOMMENDED USES
5	1.93%	none	less than .01%	Light acetylene welding, cutting up to 1 inch; torch brazing; light electric spot welding.
10	0.0139%	none	less than .01%	Shielded metal-arc welding 1/16, 3/32, 1/8, 5/32 inch electrodes. Arc welding - 75-200 amperes.

Helmet and goggles meet ANSI Z87; 1-1979 specifications.

D13

DYNALLOY WIRE SOLDER and SOLDER PASTE

DYNALLOY WIRE SOLDER



- High quality alloy.
- 100% new lead*.
- Tensile strengths to 16,000 P.S.I.
- Low temperature.

*** DYNALLOY WIRE SOLDERS DO NOT CONTAIN ECONOMY GRADE RECLAIMED LEAD.**

GENERAL PURPOSE

SOLID CORE
1 lb. Spool

Applications: Galvanized iron, copper, steel, nickel plate, nickel alloys, brass, tin plate. May be used with C-Flux No. 812690 or Fluxall No. 812691 or most other paste or liquid solder fluxes.
50/50 Tin/Lead Alloy
General Purpose Solder for sweat fittings, sheet metal and other large jobs.
Bond temperature: 420°F /
Tensile strength: to 4,500 P.S.I.

Part No. **812621**

PLUMBING/WIPING

ACID FLUX CORE
1/8" Diameter / 1 lb. Spool

Applications: Plumbing, copper tubing, tools, gutters, auto radiators, galvanized iron, steel, nickel plate, nickel alloys, brass, tin plate.
40/60 Tin/Lead Alloy
Acid Core - Self Fluxing
More versatile than 30/70 alloys.
Bond temperature: 360° to 460°F /
Tensile strength: to 4,800 P.S.I.

Part No. **812622**

ELECTRICAL

ROSIN FLUX CORE
1/8" Diameter / 1 lb. Spool

Applications: Copper, silver plate, tin plate, gold plate.
40/60 Tin/Lead Alloy
Highly Activated Rosin Core - Self Fluxing, for all electrical and electronic applications.
Low temperature will not distort base material.
Bond temperature: 360° to 460°F /
Tensile strength: to 4,800 P.S.I.

Part No. **812623**

QUICK DRAW LOW TEMPERATURE SOLDER



ROSIN FLUX CORE
.050" Diameter / 1.3 oz. tube

APPLICATIONS: Ideal for temperature sensitive electrical repairs that require up to 3000 PSI repair strength.
60% Tin/40% Lead

Part No. **812620** 6

SILVER BEARING SOLDERING PASTE



Part No. **211136** 3
7.1 gram syringe

- Five times stronger than ordinary solder.
- Better electrical conductivity, stress and vibration resistant.

Applications: For use with ferrous and non-ferrous metals: steel, cast iron, stainless steel, brass, bronze, nickel, platinum, chrome, monel, galvanized, gold and silver.
Bonding temperature: flows freely at 430°F
Tensile strength: 10,000 to 25,000 P.S.I.

Fast and easy to apply. Works with a match or a lighter. No mess, no waste, handy syringes.



Syringes contain no lead, cadmium or antimony

SILVER BEARING ACID CORE SOLDER



4" Length

Part No. **812626**
Size: 1/16 (.062) 1 oz. Tube

Acid Core
Tensile Strength: Up to15,000 PSI
Melting Temperature: 430°F

- Silver bearing non-toxic.
- High strength - low temperature.
- Cadmium free - FDA approved.
- Excellent color match on Stainless Steel.
- Keep its high luster.
- Flows thin and sets quickly.
- Free of Zinc, Antimony and Lead.
- Can be used with a torch, iron, furnace or induction heat.

Use For:

Food Utensils
Instrument Work
Surgical Apparatus
Refrigeration & Air Conditioning
Dairy Equipment
Sanitary Instruments
Join Wide Range of Ferrous & Non Ferrous (except white metals)

Acid Core
Used for general purpose work. It cuts through heavy tarnishes and oxides. (Not recommended for electrical work due to the residues that remain after soldering)

Silver Solder
Used for high strength repairs and to join metals (Except aluminum, magnesium and pot-metals). Ideal for Stainless Steel.

PSS020116

BRAZING / SOLDERING / SUPPLIES

DYNALLOY FLUXALL SOLDERING FLUX

- Versatile, general purpose liquid soldering flux.
- Highly active - sweeps away oxides.
- Improves wetting and overall performance of all soft solders.
- Removes easily with hot water.



Part No. **812691**
4 fl. oz.

C-FLUX PASTE

Pre-cleans, pre-tins
For solder joining copper tubing. Spread on components, assemble, apply heat. When C-FLUX turns silvery, touch solder to the joint and the job is done.

- 95/5 tin/antimony - Lead free, no harsh chemicals.
- Contains alloy solder - cleans, fluxes and tins at the same time.
- Fast and easy to use - cleaner, quicker joints with less solder waste, no black, bubbly residue.
- Use on all metals, except aluminum and stainless.
- Melt range of 360°F to 525°F.

LEAD FREE



Part No. **812690**
3 oz. net wt. jar

PROFESSIONAL MODEL TS7000, SELF-IGNITING TORCH

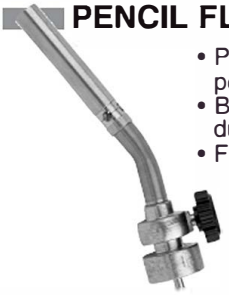
For soldering, brazing, heating, and paint removal.



- Piezzo electronic ignition - instant on, instant off, no flints, batteries, strikers or matches required.
- Built in regulator and adjustable flame control knob.
- Burns propane or MAPP gas - up to 13000 BTU with capability to reach over 3000° F. More heat than any other portable torch.
- Soft solder up to 4" diameter copper pipe with propane gas. Braze and silver solder up to 1-1/4" diameter copper pipe using MAPP gas.

Part No. **213350**
Torch Head (gas not included)

PENCIL FLAME TORCH



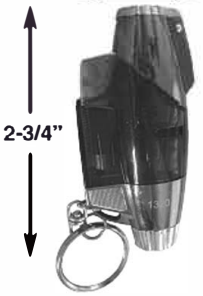
- Produces a 1/2" diameter pencil flame.
- Brass construction for durability.
- Fuel control knob.

Part No. **213351**

WARNING: ALWAYS wear safety goggles, gloves and other appropriate safety items for protection.

MICRO TORCH

- Hand held compact size.
- Easily fits in a pocket or on a keychain.
- Non stop burn time - 30 minutes.
- Flame temp.: 1300° - 2400°C.
- Requires butane fuel sold separately, Part No. 412230.



Part No. **412229**

BUTANE FUEL

- Compact size.
- Small can fits anywhere.
- Non clogging dispensing.
- No CFC's to deplete the ozone, no UPS Hazmat charge.
- Always use safety glasses.



Part No. **412230**
15/16 fl. oz. (26.5 g)

SUPER BLASTER TORCH

Ideal for soldering, de-soldering, heat shrinking & terminating, heating, lighting, melting wax and other micro torch applications.

- Wide stable base for hands-free usage.
- Produces a broad yellow or blue pinpoint adjustable wind resistant flame.
- Built in self igniting switch makes it easy to ignite.
- Flame temperature up to 2500° F.
- Refillable butane gas tank runs on a full charge.
- 15/16 oz. butane fuel included.



Part No. **412227**

MINI TORCH

Use for: General heating and drying, activating adhesive, bending & forming plastics, preheating flux, heat shrink applications, stretching vinyl and repairing, thawing frozen locks.

- Includes heat reflector especially designed for heat shrink terminals.
- Flameless heat.
- Temperatures up to 650°C (1300°F)



Part No. **412228**

D13

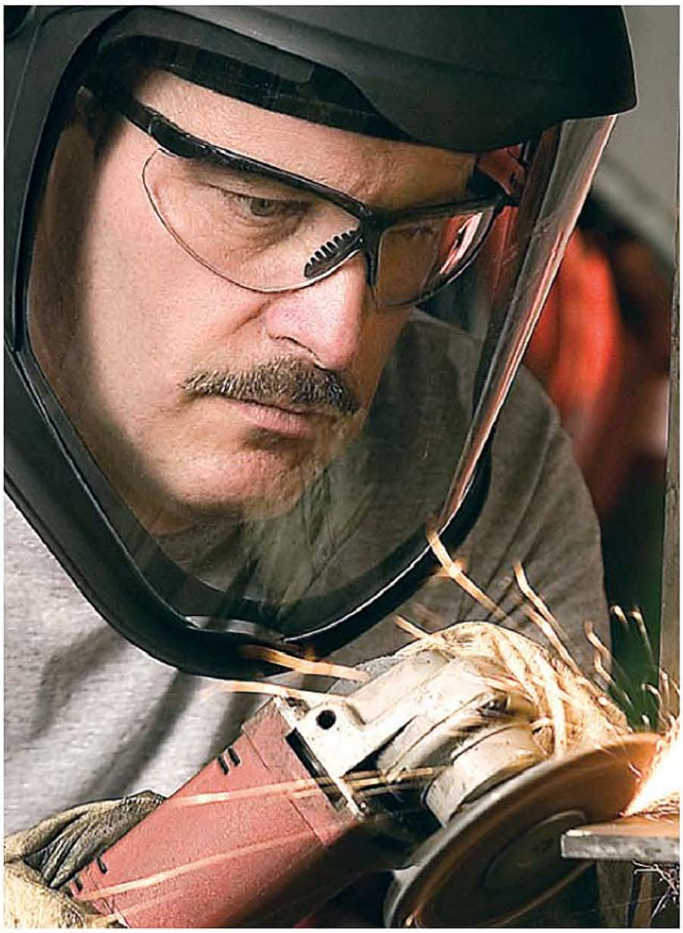
D SECTION TOOLS & SHOP SUPPLIES











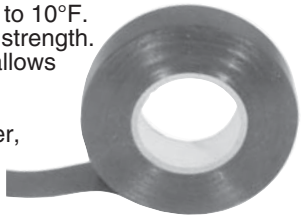


D13-11 PIX PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.

TAPES

3M TEMPERATURE COMPENSATED VINYL ELECTRICAL TAPE

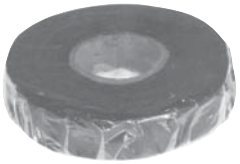
- For year-round use even down to 10°F.
- 9,000 volts per layer, dielectric strength.
- Superior adhesive compound allows smoother unroll and tighter, surer bond.
- Withstands exposure to weather, cold, corrosive fumes, oil, grease and acid.
- Unusual pliability, flexibility and conformability.
- Made in the U.S.A.



Part No. 812202 10
3/4" x 60'

FRICTION TAPE

- Widely used in electrical and maintenance applications.

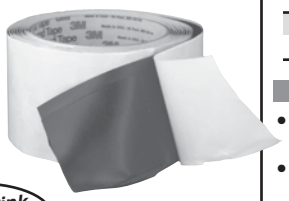


Part No. 812206
3/4" x 60'

E-Z SEAL DIELECTRIC COMPOUND TAPE

Seals, insulates, weatherproofs & protects any surface.

- Dielectric strength exceeds 16KV (ASTM D-10000).
- Self adhesive, sticks to any surface.
- Unaffected by UV rays, sunlight, water, salt, oil, grease or battery acid. (ASTM D-543)
- Tough vinyl backing stops sagging on vertical applications.
- Seals tightly from -30° below zero to +150°F.
- Paintable.



Will not shrink, crack & stays flexible

Part No. 812218
(1 roll) 2-1/2" x 10ft.

3M #27 HIGH TEMPERATURE GLASS CLOTH ELECTRICAL TAPE

- Heat resistant fiberglass tape with special pressure sensitive, thermosetting adhesive. (Class B)
- Provides heat stable insulation for hot applications such as furnace and oven controls, motor leads and switches.
- CSA listed: Bulletin 827B.
- UL Recognized Component listing for 150°C. (Guide OANZ2, File E17385)



Part No. 812212
1/2" x 66'

STRETCH & SEAL

Self-fusing silicone wrap.

- Waterproof seal resists corrosion, shock and vibration.
- Conforms to any shape.
- No adhesives; self-vulcanizing; fuses to itself.
- No heat needed, complete bond after 24 hrs. at room temp.



Part No. 812204
1" x .020" x 36' Roll
COLOR: Red

PSS012916

Seals electrical connections

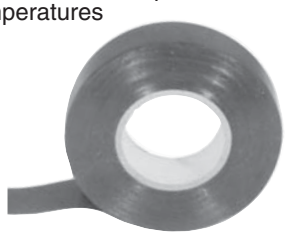
Operating Temp.:
-50°F to 400°F Continuous
-80°F to 500°F Intermittent
Dielectric Strength:
400 volts.

COLOR	1" x .020" x 10' ROLL
Red	**813241**
Black	**813242**
Blue	**813243**
White	**813244**
Yellow	**813245**
Green	**813246**
6 pc. Asst.	**813240**
includes 1 roll of each color. (above #'s only)	

3M SUPER 33+

3M's best vinyl electrical tape.

- Wraps & holds in all weather and continues to perform in sub-zero temperatures or in temperatures up to 105°C (220°F).
- Excellent resistance to flame, abrasion, moisture, alkalies, solvents, oil and many acids.



Part No. 812201 10
3/4" x 66'

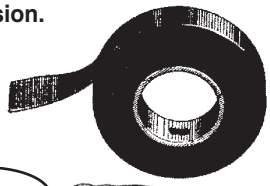
LINERLESS SPLICING TAPE

SELF-BONDING

Fuses into a solid insulation within 24 hrs. of application.

Protects against moisture & corrosion.

- Easy to apply, no paper liner.
- No heat needed - bonds to itself.
- Conforms to any shape.
- Provides tight seal in temps. from -50° to 300° F.





PART NUMBER	DESCRIPTION INCHES x FEET
812210	3/4 x 15
812211	1-1/2 x 15

Seals electrical connections

LIQUID ELECTRICAL TAPE

- Outperforms regular tape by virtually sealing out all moisture, dirt & corrosion.
- Great for tight places that can't be reached with ordinary tape.
- Sticks to metal, rubber, vinyl & plastic.
- Forms a tough, flexible, black coating that dries at room temperature in just 5 minutes.
- Will not become brittle & crack like similar PVC based competitive brands.

Tested and approved for initial assembly by one of the leading manufacturers of electric fork lifts. Determined to be the best battery terminal protector & sealer ever used.



Part No. 211211
4 fl. oz.
Brush-on applicator lid

3M #35 ELECTRICAL COLOR CODING TAPE

Color coding of motor leads, circuits, piping systems, splices, terminations and phase identification.

- 7-mil. flame retardant, weather resistant, vinyl.
- Excellent electrical insulating properties.
- Resists weather, abrasion, corrosion, alkalies and acids.
- Pressure-sensitive, rubber based adhesive.



COLOR	1/2" x 20' ROLL	3/4" x 66' ROLL
Red	**812741R**	**812742R**
Yellow	**812741Y**	**812742Y**
Blue	**812741BL**	**812742BL**
White	**812741W**	**812742W**
Green	**812741G**	**812742G**
Orange	**812741OR**	**812742OR**
6 pc. Asst.	**812003**	**812004**
includes 1 roll of each color. (above #'s only)		
Brown		**812742BR**

TAPES

RUBBER AMALGAMATING WRAP

Solves problems maintenance professionals experience when using traditional wraps!!

LONG SHELF LIFE!



PSS081515

Saves Time & Labor Cost
- Easy to unroll and use.
- Requires no heat or open flame.
- Conforms easily to irregular or unusual shapes.

Reliable & Durable
- No gaps or open spaces.
- Excellent tensile strength.
- Resistant to water, weather, U-V rays, ozone & chemicals.

Versatile
- Ideal for electrical & plumbing repairs.
- Used by utilities, refineries, hospitals, food services, nursing homes, general MRO's as well as fleet and auto. shops.
- Excellent for high-voltage applications.
- Use indoors or outdoors – above or below ground.
- Stands up to pressure of 100 PSI with 5-6 wraps.

PART NUMBER	SIZE (INCHES)	COLOR	QTY
812241	1 x 120	Black	6

ASTM TESTED from -40°F to +267°F

PREMIUM HEAVY DUTY, PRESSURE SENSITIVE PLASTIC COATED CLOTH TAPE

High quality tape used for repairing, sealing, waterproofing & reinforcing seams.

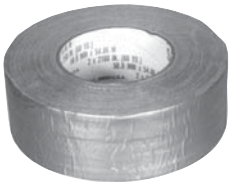


For Use On The Following:
- School buses.
- Truck seats.

PART NUMBER	SIZE (in x yds)	COLOR
812972	2 x 60	Gray
812973	2 x 60	Black
812804	3 x 60	Gray
812391	4 x 60	Green
812392	4 x 60	Brown
812393	4 x 60	Gray
812394	4 x 60	Black

DUCT AND SEAT REPAIR TAPE

A rugged, laminated economical brand cloth tape.



- Assures airtight, waterproof joints.
- 2" x 60 yds.

PART NUMBER	COLOR
812207	Silver
813250	Black
813251	Red
813252	Orange

Other colors are available on a Special Order Basis. Must order in case lots of 24 each. Colors available are: Beige, Blue, Burgundy, Brown, Green, Olive, Purple, White or Yellow.

3M SCOTCH AUTOMOTIVE TRANSPARENT DUCT TAPE



- Makes repairs less obvious & virtually invisible.
- Will not fall apart in extreme temperatures and harsh UV conditions.
- Holds tight, strong & long lasting.
- 1.88" x 45 ft.
- Color: Clear.

Part No. **903451**

NINJA WRAP - HOSE PROTECTION WRAP

Extends the life of expensive hoses!

PSS050514



Eliminate costly downtime!

PART NUMBER	LENGTH
418325	6 feet
418326	10 feet
418327	25 feet

- Flexible, tough self-adhesive neoprene wrap.
- Protects against wear, cuts and abrasions.
- Repairs pinhole leaks in hydraulic hoses.
- Resists oil, gasoilne, alkalis, acids & sunlight.
- Weathers well, good resistance to flames and abrasions.
- Prevents hose to hose abrasions.
- Simple, economical solution.
- Easy installation in minutes.
- No special tools needed.
- One size wrap - fits all!
- Use on any diameter hose.
- No need to remove hoses.

(Secure with RUBBER AMALGAMATING WRAP, Part No. 812241)

GORILLA TAPE

Gorilla Tough on a Roll! Taking Tape to a Tougher Extreme.



PSS081210

Part No. **813263**
2.88 in. x 30 yds.
COLOR: BLACK



PSS072715

PART NUMBER	SIZE INCHES/YARDS	COLOR
813260	1.88 x 35	BLACK
813257	1.88 x 35	SILVER
813258	1.88 x 30	WHITE

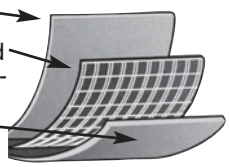
• Bonds • Protects • Holds • Repairs • Patches • Seals •

- Works especially well on rough, porous or imperfect surfaces. Tight barrier against moisture, high UV qualities and withstands high temperatures.
- Twice the grip of duct tape.
- Now even tougher, reinforced backing with a cleaner tear.

Sticks to brick, stucco & plaster

See page C11-2 for "GORILLA GLUE"

- Tough All-Weather Shell
- Strong reinforced tight weave backing 17 mils thick
- Double-thick adhesive



GORILLA CLEAR REPAIR TAPE

Clearly the toughest – fix, patch, seal, hold & protect.

- **Extra Heavy Duty –** mil thick tape
- **Gorilla Tape Strength –** Extra thick adhesive
- **Crystal Clear –** Won't yellow outdoors
- **Easy To Tear By Hand –** Notched edge design
- **Weatherproof –** Water, UV & temp. resistant

PSS010614



Part No. **813259**
1.88 in. x 27 ft.

Virtually Endless Uses: Leather/Seat Cushions, Auto. Repair, Tarps/Awning Covers, Cracked Tail Lights, Cracked Smartphones and much more!

TAPES

DOUBLE-SIDED MOUNTING TAPE

Bonds permanently: plastic, metal, wood, glass, brick, ceramic, stone & more.



- Tough and versatile permanent adhesive.
- Sticks to both smooth and rough surfaces.
- Weatherproof for indoor and outdoor use.
- Crystal clear, won't yellow overtime.

PSS072615

Part No. 813256
1" x 60" roll

CARTON SEALING TAPE

Pistol Grip Dispenser
Part No. 812245



- Waterproof plastic film.
- 2" x 55 yds.
- Self adhesive.

Meets UPS and postal requirements.

PART NUMBER	COLOR
812243	Tan
812244	Clear



3M Premium Heavy Duty:
Part No. 906640 - Clear

REINFORCED STRAPPING TAPE

- Super strong, multi-layer, bi-directional strapping tape.
- Pressure sensitive adhesive for quick, sure sticking.



Part No. 812208
3/4" x 60 yds.

ALUMINUM FOIL TAPE

- For repair of truck bodies.
- Hi-Temp exhaust sealing, and duct wrap.
- High tack rubber based adhesive.
- 4 mil thick, soft foil.



Part No. 812390
3" x 50 yds. 4 mil

ALUMINUM FOIL TAPE w/BUTYL RUBBER LINER

- For repair of truck bodies.
- Use as back-up for body repairing.
- High tack rubber based adhesive.



Part No. 812968
4" x 30 ft. with butyl rubber liner

3M BLUE PAINTER'S TAPE

The best choice for most painting projects.

- Removes cleanly in challenging situations, including glass exposed to direct sunlight.
- No adhesive transfer or surface damage for up to 14 days.



Part No. 906820
2" x 60 yds.

3M AUTOMOTIVE REFINISH YELLOW MASKING TAPE

A yellow crepe tape designed specifically for the critical paint masking processes used in the collision repair industry.

PART NUMBER	SIZE INCHES/YARDS
906652	3/4 x 60
906654	1-1/2 x 60
906656	2 x 60



- Designed for masking before painting...it bends and stretches to follow curved body lines with no edge lifting.
- Specially-treated paper backing offers solvent & moisture resistance that minimizes bleed through.
- Proprietary rubber-based adhesion to all vehicle surfaces.
- This tape sticks, stays and removes cleanly.

3M GREEN MASKING TAPE

For paint masking applications with temps. up to 250°F.

- Excellent conformability & transfer resistance.
- Clean removal on rubber molding & painted steel even after 30 minutes.
- Resistant to paint bleed-through.
- Temp., UV & solvent resistant.

PART NUMBER	SIZE INCHES/YARDS
902633	3/4 x 60
902638	1-1/2 x 60
902634	2 x 60



SCOTCH AUTOMOTIVE REFINISHING MASKING TAPE NO. 233

- Quick & easy, sticks & stays put.
- Conformable, hugs curves & contours.

PART NUMBER	SIZE/ROLL INCHES/YARDS
906330	1/4 x 60
906334	3/4 x 60
906336	1 x 60
906338	1-1/2 x 60
906340	2 x 60



MASKING TAPE - Utility Grade

- General purpose paper tape for holding, bundling, sealing & non-critical masking.
- Not recommended for auto body painting, heat lamps or paint ovens.



Part No. 812203 5
1"x 60 yds.

Part No. 812205 5
2" x 60 yds.

3M SAFETY-WALK/ANTI-SLIP SURFACING ROLLS

- Conformable anti-slip surfacing material can be bent, rolled or angled to fit any uneven or smooth surface. Use a rubber mallet to apply to diamond plate steel.
- Sticks to any clean, dry surface. Provides a positive grip when exposed to water, grease or oil.



PART NUMBER	3M NUMBER	SIZE INCHES/FEET
907510	07510	2 x 60
907520	07520	4 x 60
907530	07530	6 x 60

TAPES

For use in hazardous areas in factories, state, city and federal agencies, warehouses, construction sites, etc.

HAZARD STRIPE TAPE

OSHA approved (OSHA 1910.1449(A))



Part No. **812213**
2" x 18 yd. roll

- Yellow and black stripe - universally recognized as caution & physical hazard.
- Pressure sensitive vinyl - sticks to any clean dry surface.
- Fade resistant.
- Temperature and abrasion proof, outlasts paint.
- Ready to use - no backing.

SAF-STEP NON-SLIP TAPE

An economical brand of non-slip tape with a rugged aluminum oxide grit surface that's bonded to the tape and is impervious to water, grease, oil, detergents and solvents.

For Use On The Following:

- Stairs & ladders.
- Factories & repair facilities.
- Restaurant kitchens.
- Truck beds & steps.
- Ramps & dock lifts.
- Machine shops and shipping areas.
- Service stations.

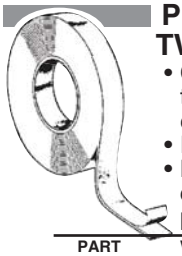


Black Only

PART NUMBER	SIZE IN. x FT.
812396	2 x 60
812397	4 x 60
812398	6 x 60

Easy To Apply:
Just peel off the backing and press in place.
Adheres instantly to most clean, dry, oil-free surfaces.

PRESSURE SENSITIVE, TWO SIDED FOAM TAPE



- Closed cell polyethylene carrier is resistant to freeze/cracking & condensation; essentially a flexible solid.
- Rubber based adhesive bonds immediately.
- Bonds to paper, aluminum, steel, glass, ceramic, rubber, cloth, ridged vinyl, painted surfaces, etc.

PART NUMBER	WIDTH INCH	WIDTH (MM)	THICKNESS INCH	THICKNESS (MM)	LENGTH PER ROLL FEET	LENGTH PER ROLL (MM)
812997	1/2	(12.70)	1/32	(0.79)	216	(65,836.8)
812998	3/4	(19.00)	1/32	(0.79)	216	(65,836.8)
812999	1	(25.40)	1/32	(0.79)	216	(65,836.8)

VELCRO® CABLE WRAPS

- Easy installation, only requires a screw for mounting.
- One piece construction, no back-to-back loop & hook.
- Reusable and adjustable, can be reused up to 200 times.
- Roll dispenser, no lost cables, just cut off number of cable wraps needed.

For quick cable mounting or bundling.



PSS092016.210997

PART NUMBER	COLOR	APPROX.BUNDLE DIAMETER-INCHES	OVERALL LENGTH INCHES	WIDTH INCHES	QTY
210997	Black	2	8	1/2	25

BARRICADE TAPES

"CAUTION" Tape

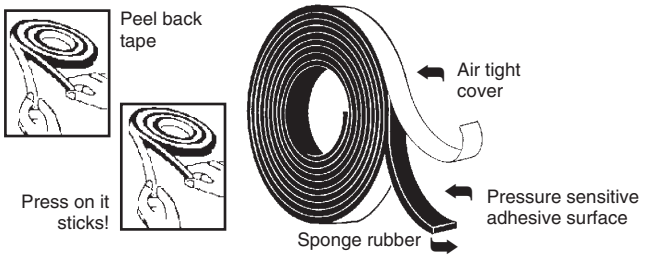
Part No. **812214**
3" x 1000 ft. roll



- Available either blank or with "caution" message imprinted in black.
- Durable, lightweight yellow polyethylene .003 mil thick.
- Non-adhesive.
- Weatherproof and chemical resistant.
- Packed in a handy dispenser box.

KWIK-SEAL SPONGE RUBBER WEATHERSTRIP

Self-adhesive • Easy to use • Strong, durable bond
Has a ''memory'' for tight, positive sealing,



A self-adhesive sponge rubber weatherstrip that is easy-to-apply for automotive and industrial applications. Use on boats, refrigerators, doors and windows-almost anywhere that a permanent, waterproof flexible seal is needed. Available in convenient 50 foot rolls.

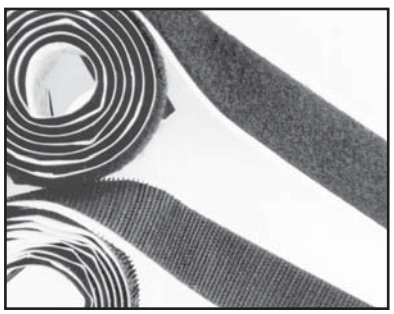
PART NUMBER	THICKNESS INCHES	WIDTH INCHES	PART NUMBER	THICKNESS INCHES	WIDTH INCHES
717301	5/16	3/8	**717304**	7/16	3/8
717302	5/16	1/2	**717305**	7/16	1/2
717303	5/16	3/4	**717306**	7/16	3/4

VELCRO® HOOK and LOOP FASTENING TAPE

Used by body shops, RV dealers, airlines, hospitals, marinas and more.

Regular Duty: **S**ticky Back® adhesive bonds to smooth surfaces such as glass, metal and most plastics (except PVC).

Industrial Strength: 50% stronger than Sticky Back®. Sticks on more surfaces, especially plastics. Use indoor & outdoor. Waterproof, even when submerged.



HOOK and LOOP PACKED TOGETHER

- Pressure sensitive adhesive backing.
- Heavy duty nylon construction.
- Immune to vibration.

PART NUMBER	COLOR	SIZE FT. X IN.	ADHESIVE TYPE
312140	Black	5 x 3/4	Regular duty
312139	Black	5 x 2	Industrial strength

TAPES

3M DUAL LOCK RECLOSABLE FASTENING SYSTEM

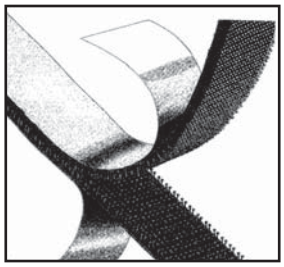
5 times more holding power than hook and loop fasteners.

Used on cellular phones, headlight covers, window louvers, van conversions, sunshades, boat covers, tackle boxes, ski accessories, computer battery packs, access panels, acoustical panels, furniture trim, air conditioner covers and building attachments.

When Dual Lock reclosable fasteners are pressed together, hundreds of mushroom-shaped stems interlock with one another. An audible snap indicates the fastener is locked.



PSS091516.312190



Part No. 312190
1" x 4.9 yds.

- Mates to itself.
- Can open & close more than 1,000 times during their life.
- Clear color blends with all backgrounds.
- VHB (very high bond) pressure-sensitive, UV resistant, adhesive backing. Can also be stapled or sewn.

INDUSTRIAL GRADE DUCT TAPE

Super strong and maximum strength.

- 4-ply construction - stronger than traditional 3-ply tapes.
- Superior adhesion.
- Tears easily, tough yet flexible.
- Longer lasting.
- Weatherproof.
- Won't delaminate over time.



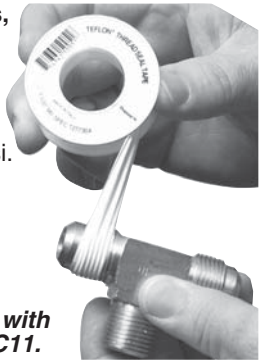
Part No. 813254
1.88" x 50 yds., 11 mil wgt.
"Black" w/orange backing

PSS091617

TEFLON THREAD SEALING TAPE

Seals permanently, yet easy to disassemble.

Seals & lubricates all pipe fittings, including joints of dissimilar materials. Use on air, steam, oxygen, hydraulic, gas and refrigerant lines.



- Withstands pressures to 10,000 psi.
- Temp. range: –400°F to +600°F
- Not affected by acids & gases.
- Meets MIL-T-27730A.
- Non-flammable, non-toxic, will not dry out.

For Liquid Form Thread Sealant with Teflon, see catalog section C11.

INDUSTRIAL HI-DENSITY

- Color: Pink.
- Density: 1.20.
- Thickness: .0035-.0037.

PART NUMBER	WIDTH (INCHES)	LENGTH (INCHES)	QTY
53720	1/2	520	6
53721	3/4	520	6

STANDARD LOW-DENSITY

- Color: White.
- Density: .700.
- Thickness: .0032-.0034.

PART NUMBER	WIDTH (INCHES)	LENGTH (INCHES)	QTY
53718	1/2	520	6
53719	3/4	520	6

3M POST-IT REMOVABLE LABELING TAPE

- A white, general purpose labeling tape that sticks firmly but removes easily.
- Use for shelf and bin marking, package identification, labeling boxes, or file folders.
- Easy to write or type on and works great for correction & cover up work.



PART NUMBER	SIZE INCHES/YARDS
906951	2 x 36

*Important - May lift correctable ink from freshly typed characters. Test before using on questionable surfaces.

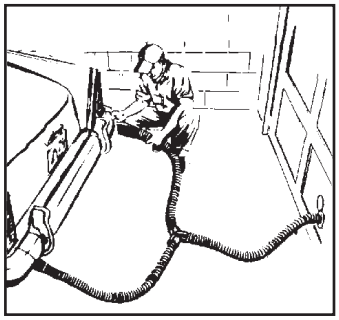
D14

GARAGE EXHAUST TUBING and ACCESSORIES

GARAGE EXHAUST SYSTEMS

Specially compounded to withstand heat to 600°F.
3" size withstands exhaust from catalytic converters.
• Easy to use • Saves on heating bills •

THESE MATCHED SETS INCLUDE ALL PIECES NECESSARY FOR ACOMPLETE SYSTEM FOR BOTH SINGLE AND DUAL EXHAUSTS.



Complete Set

PART NUMBER	TUBING SIZE INCHES
41902	2-1/2
41903	3

3" size recommended for cars equipped with catalytic converters. Meets OSHA specifications for vehicles under 200 hp.

- A flexible way to economically meet all of your needs.
- **Sets include:**
  (2) 44" tubing lengths
  (1) 6' tubing length
  (2) tailpipe adapters
  Y-connector for dual exhaust
  Splice connector for single exhaust

Complies with OSHA standards

* Use (1) 44" length, splice, the 6 ft. length & (1) adapter for single exhaust systems.

*FLARELOCK GARAGE EXHAUST TUBING



- Tubing is specially compounded to withstand heat to 600°F.

ONE END ONLY IS FLARED

SOLD IN 11 FT. LENGTHS

PART NUMBER	CENTER HOSE I.D. STRAIGHT END	HOSE I.D. FLARED END	APPLICATION
41905	2-1/2"	2-11/16"	Compact car
41906	3"	3-1/16"	Passenger car
41923	3-1/2"	3-7/16"	Small truck, Van
41917	4"	4-13/16"	Large gas truck
41924**	5"	5"	Diesel truck

*** To prolong the life of the hose, always use an adapter and allow the hose to cool after each use.**
**** Note Part No. 41924 - Not Flared - 5" on both ends**

ADJUSTABLE ADAPTERS

- Fits tailpipes with larger decorative ends.
- Has adapter bell with brass snaps to adjust for outlets up to 5-1/2 O.D.



PART NUMBER	FITS TAILPIPE	ADAPTER FITS THESE HOSES
41912	All	**41905**
41913	All	**41906**

TWIN TAILPIPE ADAPTERS (OVAL)



PART NUMBER	FITS HOSE I.D. (INCHES)	DESCRIPTION
41922	3 & 4	2" x 5-1/2" Fits up to 2" in dia.
41933	3 & 4	3" x 8" Fits up to 3" in dia.

"STRAIGHT" TAILPIPE ADAPTERS

Fits most passenger cars.



- For late model cars - special compound withstands heat of catalytic converters.

PART NUMBER	FITS TAILPIPE	ADAPTER FITS THESE HOSES
41910	2"	41905, 41906, 41923
41919	2-1/2"	41905, 41906, 41923
41925	3"	41905, 41906, 41923
41926	3-1/2"	41917, 41923, 41924
41927	Diesel Stack	41917, 41924

CONNECTORS

SPLICES



For single exhaust systems.

PART NUMBER	FITS HOSE I.D. INCHES
41920	2-1/2
41921	3

Y-SHAPED



For dual exhaust systems.

PART NUMBER	FITS HOSE I.D. INCHES
41915	2-1/2
41916	3

GARAGE DOOR FITTINGS

2-1/2" NEOPRENE



Part No. 41907
Opening
I.D.: 2-15/16"
O.D.: 3-7/16"

3" ALUMINUM



Part No. 41908
Opening
I.D.: 3-5/8"
O.D.: 5-1/4"

CLEANING SUPPLIES/MISC. BRUSHES

TRUCK WASH BRUSH - POLYPROPYLENE

- 9-1/2" x 2-3/4" foamed plastic block - will not rot or warp.
- 3" trim length.
- 2 handle holes: threaded/tapered).

PART NUMBER	DESCRIPTION - INCHES
812413	Brush only, NO HANDLE
812414	Brush & 60" threaded wood handle



Flagged safety orange fill

Made in U.S.A.

BROWN PALMYRA WHEEL BRUSHES

- Stiff bristles for heavy duty scrubbing.
- All have big 4" x 4" brushing area.

PART NUMBER	HANDLE SIZE INCHES
812233	8-1/2
812235	20



FLO-THRU PARTS BRUSH

Attaches to parts washer nozzle. Solvent flows through brush as you clean. Continuously floods away grime.

- High impact nylon handle.
- 1/2" I.D. clear, flexible solvent proof tubing.
- Fits any parts washer with flexible nozzle.



Part No. **812164**

DETAILERS BRUSH

- Nylon bristles.
- Angled handle.
- 6-3/4" overall length.



Part No. **812158**

DETAILERS BRUSH

- Horsehair bristles.
- Straight handle.
- 6" overall length.



Part No. **812159**

UTILITY/SCRATCH BRUSHES "BRASS"

Ideal for non-marring finishing.

- 1-3/8" x 1/4" brush size.
- 1/2" trim length.
- Straight brass wire .006.
- 7-1/4" overall length.
- Wooden handle.
- 2 per box.



Part No. **213699** 2

TIRE CLEANING BRUSH

- Brass wire - will never rust
- High impact handle & head.
- Lightweight with large 2-3/4" x 2-1/8" brush.



Part No. **812407**

GRILL, SPOKE, MAG WHEEL & BOTTLE BRUSH

- Soft tampico fibers.
- 12" brush length - 17" overall.



Part No. **812227**

SOFT WHITE TAMPICO WHEEL BRUSHES

- Scratch free - soft fiber bristles for lighter work.
- All have big 4" x 4" brushing area.

PART NUMBER	HANDLE SIZE INCHES
812236	8-1/2
812238	20



PARTS CLEANING BRUSH

- Finest parts cleaning brush made.
- Lacquered hardwood handle.
- No. 10 size.
- 1-1/16" thick, 2-1/2" long bristles.
- Tough "Tynex Nylon" bristles are layer cut so you can clean those hidden hard-to reach areas.



Part No. **812165**

ACID BRUSH

- 100% horsehair filled.
- Tin plated handle.
- 6-1/8" overall length.
- 9/16" x 7/8" brush size.



Part No. **812166**

RADIATOR REPAIR/BRUSH

- 1-1/2" brush length.
- 7" overall length.
- Twisted wire handle.
- Hog bristles.



Part No. **812226**

UTILITY/SCRATCH BRUSHES "STAINLESS STEEL"

Removes rust, scale, paint, solder, etc.

- 1-3/8" x 1/4" brush size.
- 1/2" trim length.
- 7-1/4" overall length.
- Plastic handle.
- 2 per box.



Part No. **213698** 2

UTILITY BRUSHES "BRASS & STAINLESS STEEL"

Removes dirt, corrosion and paint.

- For cleaning & polishing hard to get at surfaces.
- Cleans welded & soldered joints, welding tips & battery terminals.
- Brass brush is used for non-marring finishing.
- Overall length 7".
- 2 brushes, (1) of each type, per box.



Part No. **213690**

For Wire Brushes & Wheels, See Catalog Group D10.

CLEANING SUPPLIES/FLOOR

PLASTIC MOP WRINGER



- Molded of high impact resistant plastic.
- Heavy ribbed back plate for added strength.
- High strength steel handle permanently riveted to shaft.
- For use with 16 oz. to 40 oz. mops.
- All steel parts have a baked enamel finish for rust and corrosion protection.

Part No. 412252

Part No. 412276 Bucket/Wringer Combo Set

35 QT. PLASTIC BUCKET

- Molded of high impact resistant plastic.
- Reinforced top rim.
- Will not rust.
- Double handle.
- Ball bearing casters allow easy mobility.



Part No. 412253

FLOOR SQUEEGEE

IDEAL FOR:
Firehouses • Tennis courts • Garages • Restaurants Driveways • Roofing jobs • Rubber resists chemicals, oil & grease • Lusterplated frame, screws & nuts resist rust •



REPLACEMENT RUBBER STRIPS
(RUBBER STRIP ONLY)
Length: 24'' or 36'' • Height: 2-1/4'' • Thickness: 9/32''

Part No. 412265
24'' Refill

Part No. 412266
36" Refill

PART NUMBER	DESCRIPTION
412261	24" squeegee (412256) equipped with 54" hardwood handle (412258)
412262	36" squeegee (412257) equipped with 54" hardwood handle (412258)



COMPLETE FLOOR SQUEEGEE ASSEMBLIES
(Squeegee and handle)

REPLACEMENT MOP HEAD & HANDLE

- Cotton head withstands abrasion from rough surfaces and chemical reaction from cleaning solutions.
- Tightly twisted strands keep fibers from unraveling.
- Excellent for use on concrete, wood, etc.
- Good water absorption.



Part No. 412259
16 oz. Mop Head

Part No. 412260
24 oz. Mop Head

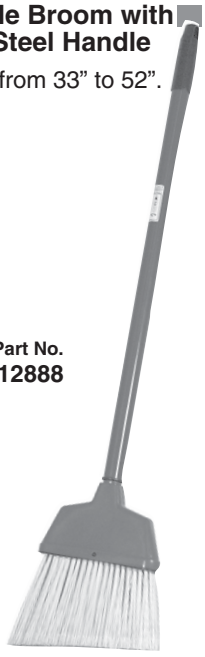


Part No. 412275
63" Hardwood handle with plated metal head.

EXTENDABLE HANDLE BUS BROOMS

8" Angle Broom with Tuff Steel Handle

- Extends from 33" to 52".



Part No. 812888

10" Soft Bristle Poly Brush with Painted Steel Handle

- Extends from 30" to 54".



Part No. 812890

"CAUTION WET FLOOR" FLOOR SIGN



- Bright yellow plastic warning sign alerts to potential hazard.
- Protects your business form expensive insurance claims.
- Necessary for unexpected spills, restroom areas, or anywhere.
- Avoid the danger of possible falls.
- 28" height - message on both sides.
- Folds flat for easy storage.

Part No. 415147

BUS BRUSH / BROOM

- Smaller block and shorter handle makes this brush ideal for cleaning between seats and aisles of buses.
- Silver-grey flagged plastic (solvent resistant).
- Lacquered hardwood block with one threaded handle hole.
- HANDLE included.



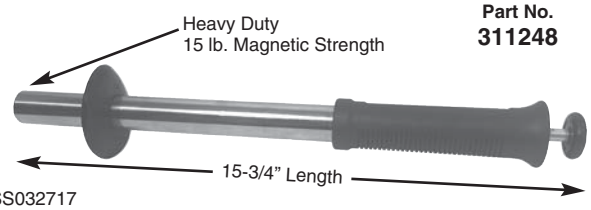


PART NUMBER	BLOCK SIZE	TRIM LENGTH
812880	10 x 2-1/2 Includes 15/16 x 48 wood handle (812881)	2-5/8

MAGNETIC CLEAN UP TOOL

- Earth magnet quickly & safely picks up fasteners, nuts, bolts, screws, metal chips, shavings & more.
- Simply wave over the debris and release by pulling the knob.

Part No. 311248



PSS032717

CLEANING SUPPLIES/FLOOR

LOBBY PRO DUST PAN BROOM

- Cut and shaped for easy sweeping in hard-to-reach areas.
- Flagged, acid resistant polypropylene fill bristles.
- Can be used wet or dry.
- 28” vinyl coated metal handle.
- Handle dia.: 7/8”.
- Brush length: 7-1/2”.
- Overall length: 35”.
- Color: black.



Part No. **812895**

LOBBY PRO DUST PAN

- Large capacity pan.
- Lightweight, comfortable plastic grip handle.
- No-warp design hugs the floor.
- Material: plastic/aluminum.
- Width: 11-3/4”.
- Handle length: 32”.
- Overall length: 37”.
- Color: black/silver.



Part No. **812893**

24” POLYPROPYLENE FLOOR BRUSH

- Hardwood block with two holes, one threaded & the other tapered, allow using different handles.
- Handles sold separately.
- Flagged for sweeping dust & fine particles on smooth surfaces.
- Bristle length: 3”.
- Bristle color: gray.



Part No. **812402**

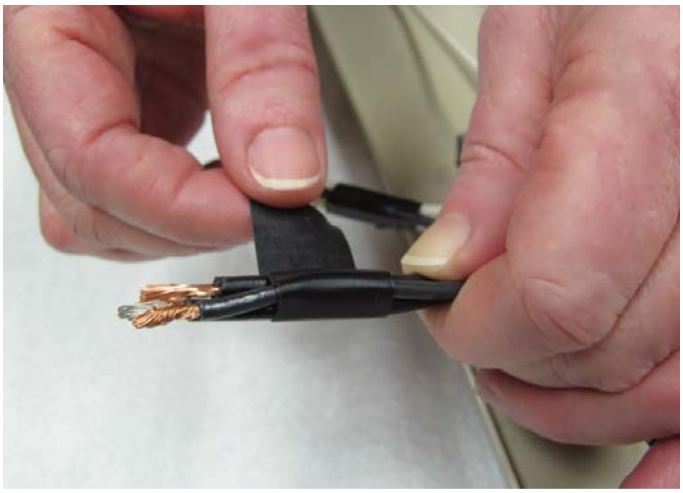
16” NATURAL PALMYRA STALK STREET BROOM

- Hardwood block with two tapered holes.
- Comes with 54” wood handle, Part No. 412258.
- Long, coarse bristles, excellent for bulk & heavy trash sweeping.
- Bristle length: 6”.
- Bristle color: brown.



Part No. **812889**

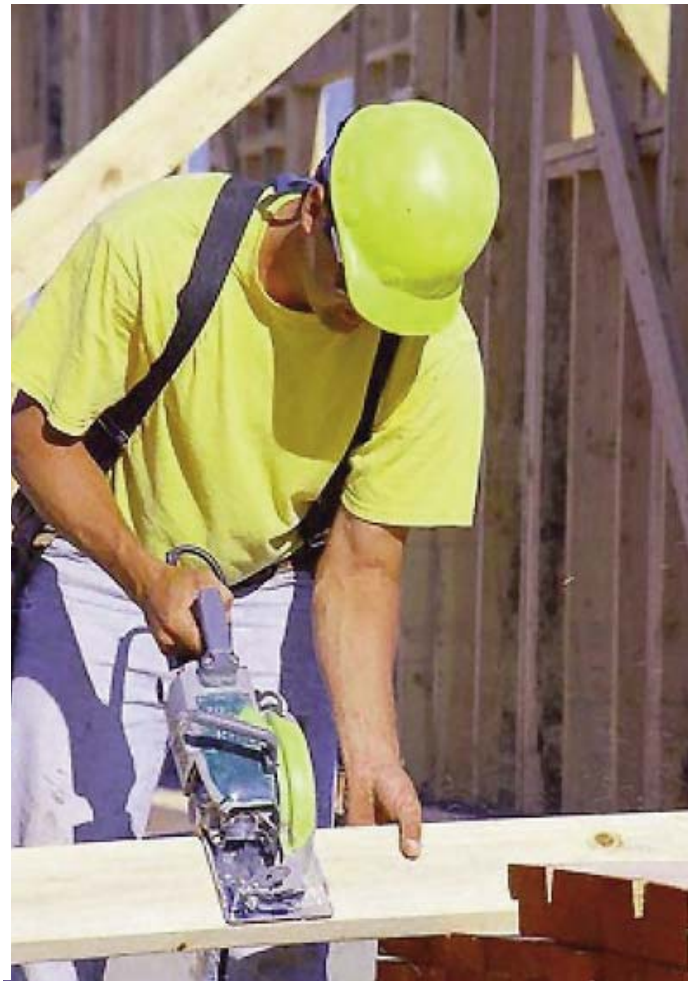
D SECTION TOOLS & SHOP SUPPLIES













CLEANING SUPPLIES/FLOOR

24" BORDER-PRO FLOOR SWEEP

- Combination of a flagged tip, silver-grey border filament with a stiff center of dual dia. black polypropylene fibers.
- One-bolt assembly design that locks securely into the handle grooves.
- 3" trim.
- **HANDLES** sold separately: 812883 - 1-1/8" dia. / 60" length



Part No. **812875**

24" STREET-PRO FLOOR SWEEP

- Extra duty, long trim, dark brown polypropylene filaments in a heavy duty wood block.
- Excellent for moving heavy debris.
- 4-1/2" trim.
- **HANDLES** sold separately: 812883 - 1-1/8" dia. / 60" length



Part No. **812882**

PRO SAF-T-SWEEP HANDLES

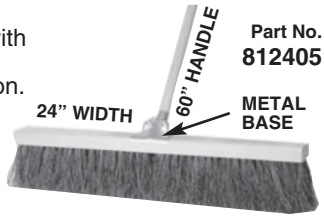
- Natural wood.



PART NUMBER	LENGTH (INCHES)	DIA. (INCHES)
812883	60	1-1/8

GARAGE SWEEP (Extra Firm)

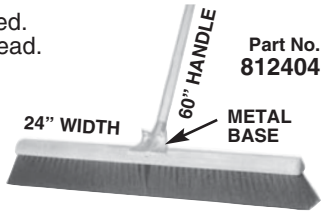
- Select palmyra fiber.
- Clear lacquered hardwood with two handle holes.
- Super heavy duty construction.
- Metal brace included with broom.



Part No. **812405**

BLACK TAMPICO FIBER (Firm)

- Each tuft individually anchored.
- Clear lacquered hardwood head.



Part No. **812404**

RUBBER DUST PAN

HEAVY DUTY

- Thin front edge for improved dirt pickup.
- Molded-in serrated teeth for counter duster cleaning.
- **Color:** Charcoal.
- 12-1/4" wide.



Part No. **812885**

METAL DUST PAN

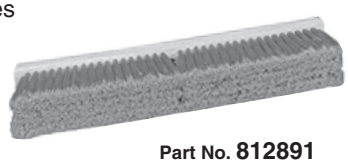
- Strong 20-gauge steel with baked enamel finish provides long service life.
- Width: 11".
- Handle length: 5".
- **Color:** Black.
- Overall length: 13-1/2".



Part No. **812887**

36" POLYPROPYLENE FLOOR BRUSH

- Hardwood block with two threaded handle holes.
- Gray, polypropylene bristles are flagged for sweeping dust and fine particles on smooth surfaces.
- Fine sweep.
- Trim 3".
- Handle sold separately.



Part No. **812891**

METAL TIPPED WOOD HANDLES

- Wood handle with metal threaded tip, provides additional strength.



PART NUMBER	LENGTH (INCHES)	DIA. (INCHES)
812878	60	15/16
812877	72	15/16

FIBERGLASS HANDLE

- Features a honeycomb core.
- Fiberglass handles are stronger than wood or metal.
- Virtually indestructible.
- All white for food service industry.



PART NUMBER	LENGTH (INCHES)	DIA. (INCHES)
812879	60	1

HEAVY DUTY BROOM HANDLE BRACE

- Brace is all steel and extends eight inches on each side of handle.
- Attaches to block with wood screws and wraps around handle and is held in place by wing nuts.



Part No. **812884**

UPRIGHT BROOM

NATURAL FIBER

- Warehouse broom for heavy-duty sweeping.
- Heavy metal band with four rows of stitching for strength and durability.
- 42" long. 1-1/8" dia. lacquered wood handle.



Part No. **812886**

WHISK BROOM

- 10" corn fibers.
- Extra quality 3 sew design.



Part No. **812225**

DUST BRUSH

- Clear lacquered hardwood.
- Large 8" brush.
- Black tampico fiber.
- Each tuft anchored individually.



Part No. **812409**

PAINT BRUSHES

WHITE CHINA BRISTLE PAINT BRUSHES

Finest natural bristles.

Best



- Chisel trim.
- Plastic handle.
- Used for oil base paints, varnishes & stains.

PART NUMBER	SIZE INCHES	LENGTH INCHES	THICKNESS INCHES
412285	1	2	7/16
412287	2	2-1/4	9/16
412288	3	2-1/2	11/16

POLYESTER BRISTLE PAINT BRUSHES

Excellent synthetic bristles.

Better



- Chisel trim.
- Plastic handle.
- Used for all paints - latex, oil & enamels.

PART NUMBER	SIZE INCHES	LENGTH INCHES	THICKNESS INCHES
412293	3	2-1/2	11/16
412294	4	2-3/4	7/8

ECONOMY QUALITY PAINT BRUSHES

Good



- Square trim.
- Plastic handle.
- Used for all paints - latex, oil & enamels.

PART NUMBER	SIZE INCHES
412282	1
412284	2

FOAM BRUSH



- Use for enamel, latex, oil paints, stains and varnishes.
- Smoothes out paint.
- Eliminates brush marks.
- No loose bristles to contend with.
- Achieve reliable, professional results.

PART NUMBER	SIZE INCHES	QTY
412278	1	48

Not recommended for shellac or lacquer.

CAULKING GUN



Part No. **113130**

- Sturdy heavy gauge metal.
- Heavy duty two-lever handle.
- Uses any standard cartridge.

9" ROLLER



Part No. **412297**

- 1/2" nap.
- For all paints.
- Best quality.
- For medium surfaces.

ROLLER FRAME



Part No. **412295**

- 5 wire case.
- Plastic handle.

PAINT TRAY



Part No. **412296**

- Heavy duty plastic.

PAPER/PLASTIC

SCOTT® TOWELS & RAGS IN A BOX



SCOTT® SHOP TOWELS
200 towels per box
COLOR: BLUE
Part No. 415125

Convenient carry box for the worksite or to leave on your tool box.

- Out performs cloth rags and other wipes.
- Holds six times it's weight in liquids.
- Sheet size 10" x 14".
- Economical, heavy duty, remarkably lint free.
- Handles tough messes like grease and oil.

SCOTT® RAGS
200 rags per box
COLOR: WHITE
Part No. 415126



ROLL HAND TOWELS

- White roll towels.
- Large 8" x 350 ft. per roll.

(CASE LOTS ONLY)

	HEAVY DUTY
12 ROLLS PER CASE	12 ROLLS PER CASE
Part No. 415145	**Part No. 415149**

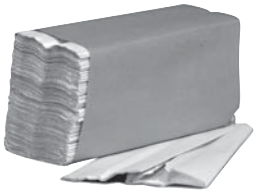


Dispenser available separately, order Part No. 415146.

C-FOLD TOWELS

- Deep embossing for bulk and absorbency. Big and soft.
- 150 per sleeve / 2400 per case.
- White.

	HEAVY DUTY
10-1/4" x 12-3/4"	10-1/4" x 13-1/4"
Part No. 415128	**Part No. 415148**



Dispenser available separately, order Part No. 415129.

MULTI-FOLD TOWELS

- High-quality folded towels are thicker, stronger and more absorbent, so you use less.
- Meets EPA CPG requirements.
- White, 1-ply, 9.4" x 9.2".
- 250 per pack / 16 packs per case.
- Use with dispenser, Part No. 415129.



Part No. 415159

KIM TOWELS "BRAG BOX"

- Super strong, absorbent, brown colored, multi-ply wipers.
- Giant size (16-1/2'' x 12-1/2'') for general rag replacement.
- Wipes water, oil or almost any solvent.
- Offers the size and bulk of rags, but superior performance.
- 176 wipes per double-sided dispensing carton.
- Made by Kimberly-Clark.



Part No. 415132

BLUE ROLL TOWELS

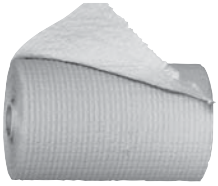
- Use on a standard towel holder for convenient dispensing of a fresh, clean towel.
- 11" x 10.4" sheet size.
- 55 sheets per roll.
- 30 rolls per case.



Part No. 415151
30 rolls per case

BLUE WIPERS ON A ROLL

- Extra heavy duty, 4 ply nylon reinforced.
- Good for ALL wiping needs.
- 9-3/4" x 275 ft.
- Comparable to the leading competitors at LESS COST!
- Traps dirt and absorbs liquids quickly.



Part No. 415133
6 rolls per case - **(CASE LOTS ONLY)**

TOWEL DISPENSER

- Perfect for our Roll Hand Towels.
- Easy to load.
- Serrated edge for easy tearing.
- 10-1/2" x 10" x 10".



Part No. 415146

C-FOLD TOWEL DISPENSER

- **Color**: White.
- 15" x 11" x 4-3/4".
- Includes wall mounting screws & keys.
- Also used for multi-fold towels.



Part No. 415129

DISPOSABLE WIPERS

- Lint free, white color.
- 13" x 15", 3 ply thickness.
- Two direction - reinforced - flat packed.
- Use with soap and water.
- Excellent on glass.



Part No. 415131
500 sheets per box

MICROFIBER CLEANING CLOTHS

- Sheet size: 16" x 16".
- Thousands of polyester/polyamide blend, microscopic fibers pick up and hold dust, dirt and grime.
- Hypoallergenic, nonabrasive, lint free, green color cloths eliminate streaking & absorb nearly seven times their own weight in liquid.
- Machine washable.

All-Purpose Cleaning



Part No. 415122
12 cloths per case

D14

PAPER/PLASTIC

SELECT FLOW™ DISPENSER



- X-large, gray plastic dispenser with see-through gray cover is quick & easy to load.
- Use with Part No. 415115, stay dry and free from contamination.
- Dispensing aperture provides one-at-a-time dispensing & helps minimize consumption.
- **ADJUSTABLE TO FIT 415114 & 415115**

Part No. 415113
Size: 9.8" W x 10" D x 10.5" H

WINDSOFT® CENTER-FLOW HAND TOWEL



- Two-ply soft, absorbent towel dispenses one-at-a-time, reducing chance of cross-contamination.
- Provides fast, 30-second maximum absorbency time.
- 8-1/4" dia. roll.

COLOR: WHITE

Part No. 415114
660 feet per roll / 6 rolls per case
Sheet Size: 7-7/8" x 13-1/2"

Dispenser available separately, order Part No. 415113.

INTEGRA™ LEVER ROLL UNIVERSAL TOWEL DISPENSER



- Compact, economical universal dispenser holds all types of roll towels with any size core, including coreless & solid.
- Easy-to-operate integrated lever makes dispensing and reloading simple.
- Black pearl, break-resistant plastic.

Part No. 415150
Size: 11-1/2" W x 11-1/4" D x 13-1/2" H

KLEENEX® NONPERFORATED ROLL TOWELS

8" Wide Roll



- One-ply absorbency pockets & fast-drying ridges.
- Primarily for hand-drying in washrooms when combined with the appropriate dispenser.

COLOR: WHITE
Part No. 415112
600 feet per roll
6 rolls per case

COLOR: WHITE
Part No. 415116
425 feet per roll
12 rolls per case

Dispenser available separately, order Part No. 415150.

BOUNTY® PERFORATED PAPER TOWEL ROLL



- Strong, quick-absorbing, two-ply.

COLOR: WHITE
Part No. 415118
56 sheets per roll
30 rolls per case
Sheet Size: 11" x 11"

SCRIM WIPERS

Pop-Up Box



- Four-ply for extra absorbency, plus nylon reinforcement to resist tearing.
- Handles tough cleanup jobs.
- Wipes streak-free on glass and smooth surface also low linting.

COLOR: WHITE
Part No. 415120
150 wipers per box / 6 boxes per case
Sheet Size: 9.8" x 17"

WYPALL® L30 ECONOMIZER® WIPERS



- Lighter weight DRC (Double Re-Creped) technology at a great everyday value.
- Cloth-like feel with reinforced grids, for strength on wet surface wiping & cleaning.
- Designed to replace airlaid wipers, which have "pool-prone" pore areas.
- Great for light-duty clean-ups, processing & janitorial wiping tasks.

COLOR: WHITE
Part No. 415110
Jumbo Roll - 950 per roll
Sheet Size: 12.5" x 13.4"

Dispenser available separately, order Part No. 415107 or 415155.

WYPALL® L40 WIPERS



- All-purpose wiper provides cloth-like softness and excellent liquid absorption.

COLOR: WHITE
Part No. 415117
56 wipers per pack
18 packs per case
Sheet Size: 12.5" x 14.4"

WYPALL® X60 TERI® WIPERS

Pop-Up Box



- The absorbing power of Hydroknit® technology in a lighter weight wiper.
- Out-performs rags, they set a higher standard for general purpose wipers.
- No adhesives or binders; leaves nothing behind.
- Reinforced for extra scrubbing/cleaning power.
- Tough enough for big jobs - soft enough for face and hands.

COLOR: WHITE
Part No. 415108
180 wipers per box
Sheet Size: 12.5" x 16.8"

WYPALL® X60 REINFORCED WIPERS



- Ideal scrap rag replacement.
- Unique technology combines purity of pulp fibers with reinforced strength to deliver softness plus solvent strength.

COLOR: WHITE
1,100 wipers per roll / Sheet Size: 12-1/2" x 13-2/5"

Part No. 415123

Dispenser available separately, order Part No. 415107 or 415155.

WYPALL® X80 CLOTH TOWELS



- Feels like cloth & work even better.
- Patented technology allows this thick, strong towel to absorb oil & water faster than rags or shop towels.
- Retains strength through harsh use, even when used with solvents.

COLOR: RED
475 towels per roll / Sheet Size: 12-1/2" x 13-2/5"

Part No. 415124

Dispenser available separately, order Part No. 415107 or 415155.

PAPER/PLASTIC

BIG GRIP® BUCKET

- Works like cloth, soft on hands & face.
- Ideal for all medium-duty general purpose wiping applications.
- Center-pull dispenser bucket keeps your towels clean and dry until they are needed.
- Blue shop towels help hide grease & grime better than white shop towels allowing for more use.
- **BIG GRIP® Bucket** keeps your towels clean and dry indoors and out.
- **TOOLBOX® Shop Towels** are made with 40% Post-Consumer recycled fibers and 10% Pre-Consumer recycled fibers…meeting the EPA Comprehensive Procurement Guidelines.



PSS102313



Part No. 415104
Bucket Size: 10.25" H x 10" W x 8.5" D
Sheet Size: 9.9" X 13.1"
Quantity Per Roll: 200 Sheets

BIG GRIP® REFILL

- 93% less cardboard than a center-pull cardboard box.
- Soft on hands and face, absorbent & won't fall apart- even when wet.
- Ideal for all medium-duty general purpose wiping applications.
- Blue shop towels help hide grease & grime better than white shop towels allowing for more use before being discarded.
- Provide opportunities to earn credits in several LEED-EB (Existing Buildings) Operation & Maintenance categories.
- Water resistant packaging, peel & reseal top and cardboard dispensing disk.



PSS102313



Part No. 415106
Sheet Size: 9.9" x 13.1"
Quantity Per Roll: 200 Sheets

WYPALL® JUMBO ROLL WIPER DISPENSER II

Holds a jumbo roll equal to 100 lbs. of rags.

- Portable, high-capacity dispenser is compact enough for use in most any location.
- Black metal.
- 16-1/4" W x 18-1/2" D x 33" H.



Part No. 415107

Use with Part No.'s 415110, 415123 or 415124.

WYPALL® JUMBO ROLL WALL MOUNT DISPENSER

Convenient easy-to-use dispenser.

- Keeps towels handy & walkways clear.
- Black metal.
- Mounting hardware included.
- Accommodates up to 12" W, 24" dia, 3" core rolls.
- 16-3/4" W x 8-3/4" H x 10-3/4" D.



Use with Part No.'s 415110, 415123 or 415124.

Part No. 415155

WHITE KNIT T-SHIRT RAGS (RECLAIMED)



"Punch-Out" allows for easy dispensing of rags



Part No. 415102
25 Lbs.

- 25 lb. box contain s white knit material from t-shirts, polo shirts or similar knit apparel.
- Rags are cut to wiper size with zippers and buttons removed.
- Often preferred for wiping applications that include water, grease, oil or paint.
- Economical solution for general industrial, machine shop and auto applications.
- All purpose soft and durable wiping cloth will absorb both water and oil based fluids.

BLUE HUCK TOWELS (RECLAIMED)



- 100% cotton, super absorbent & reusable.
- Hemmed on all four sides.
- Individual towel size: 16" x 24".
- Easy to use, dispenser box holds 10 lbs.
- Great for wiping & cleaning.
- For general use, auto, shop, factory & machinery.



Part No. 415111
10 Lbs.

"Punch-Out" allows for easy dispensing of rags

TOILET TISSUE

- 2 ply.
- Soft and absorbent.
- 500 sheets per roll.



Part No. 415127
96 rolls per case

URINAL SCREENS

- Commercial grade Marvalosa scent.
- Controls odors.
- Deodorizing lavender fragrance.
- Last 30 - 45 days.
- Prevents drain from clogging.
- Flexible shape will fit any urinal & contour.



Lasts 30 to 45 Days!

Part No. 44496
10 per case

URINAL BLOCKS

- Eliminates odors at their source instantly.
- 3 oz. blocks deodorize up to 30 days.
- 100% organic ingredients.
- Effective & economical.
- USDA accepted - pleasant cherry fragrance.



Part No. 415144
12 units per bag

D14

PAPER/PLASTIC

CORELESS JRT TWIN JUMBO ROLL TISSUE DISPENSER



- Holds (2) 9-3/8" x 3-4/5" jumbo rolls.
- The sliding door prevents using one roll until other is depleted.
- Comes in smoke/grey color made of durable plastic casing resists damage.
- Also has Anti-microbial material that protects against common stain and odor causing bacteria.
- 20" x 6" x 11".

Part No. 415166

JRT CORELESS JUMBO ROLLS



- Meets EPA guidelines for post consumer waste with a minimum 45% post-consumer recycled waste.
- Also elemental chlorine-free (ECF) and will reduce packaging waste by 45% when compared to cored.
- White, high capacity 2-ply construction.
- 3.78" x 1000'.

Part No. 415165 - Use dispenser Part No. 415166

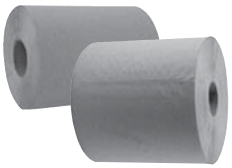
IN-SIGHT LEV-R-MATIC TOWEL DISPENSER



- Smoke/gray automatic feed lets you load with one hand.
- Eliminates waste by dispensing one 8-in. dia. roll (up to 1000 ft.) and one 3.5-in. dia. stub roll (approx. 150-ft.).
- Easy lever operation.
- High-impact plastic with metal key-operated lock.
- 10-3/4" x 9-3/5" x 13-3/4".

Part No. 415168

BROWN KRAFT NON-PERFORATED ONE-PLY HARDWOUND ROLL TOWELS



- Designed primarily for hand-drying in washrooms.
- Both product & packaging have recycled content.
- Meets EPA CPG requirements.
- Embossed, 8" wide rolls with 2" core.
- Use dispenser, Part No. 415168

Part No. 415153 - 350 feet per roll / 12 rolls per case

Part No. 415154 - 800 feet per roll / 6 rolls per case

BROWN KRAFT HARD ROLL TOWELS

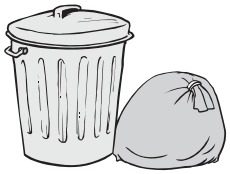


- Natural, 8" x 800'.
- One-ply construction.
- Soft, premium towels.
- Includes 12 rolls of paper towels.
- Use dispenser, Part No. 415168

Part No. 415167

HIGH-DENSITY CAN LINERS

High molecular weight high density liners. Super strong star seal bottom. Holds even the heaviest trash.



20-30 GALLON
10 micron
(.4 mil) thickness
Clear - medium
Size: 30" x 37"
Part No. 415138
500 per case

50-60 GALLON
17 micron
(.7 mil) thickness
Clear - X-heavy
Size: 38" x 60"
Part No. 415139
200 per case

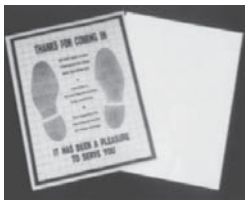
KWIKEE™ SHOP BAGS



- Enormous 36" x 58" (91.4 cm x 147.3 cm), 55-gallon capacity bags are made of rugged 2-ply construction.
- Big enough and tough enough to handle all your disposal needs.
- Usage tip: for easier removal of full shop bags, punch a few small holes in the bottom of the can or holder.

Part No. 415130 - 27 bags per box

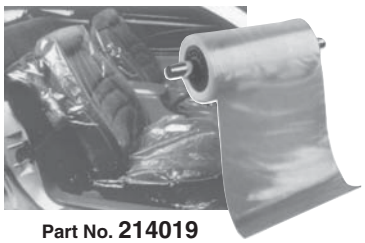
PAPER FLOOR-MATE® PLASTIC COATED



- The best of both worlds highly absorbent paper and won't soak through.
- 17" x 22" individual mats.
- 500 per case.

Part No. 214022

SEAT-MATE® SEAT PROTECTION



- Made of Olefin Tufflene®.
- Scientifically formulated to provide maximum protection & strength.
- Clear - 1-1/2 mil. thick.
- 200 per roll.
- Size each: 32" x 54".

Part No. 214019

SLIP-N-GRIP DISPOSABLE PLASTIC SEAT COVER



For bench/bucket seats

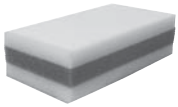
- Strong 2 ply polyethelyne protects automobile interior & exterior surfaces against hazardous substances.
- Protection from paint, grease & most chemicals found in body shops and service bays, ensures customer satisfaction.
- Use once & throw away.

Part No. 812100 Size: 33" x 56" / 125 per case

DURA SPONGES

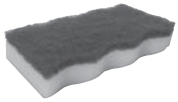
Made from identical material as the Mr. Clean Magic Eraser.

SANDWICH
Part No. 415156-6
(6 per pkg.)



- Made of both melamine and polyurethane for unparalleled cleaning.

SCRUBBY
Part No. 415157-6
(6 per pkg.)



- Made with a melamine side and an abrasive coarse side for tough cleaning.

EXTRA POWER COMPRESSED
Part No. 415158-6
(6 per pkg.)



- Extra strength compressed melamine eraser sponge is made of BASF foam.

PSS110415

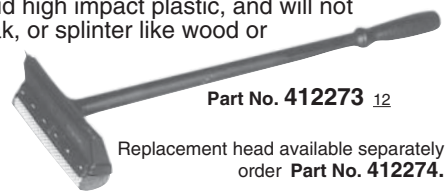
- Multi-purpose usage - uses only water to activate.
- Environmentally friendly.
- Removes stubborn stains, scuff marks, permanent marker, ink, tar, graffiti, adhesive labels, grease, dirt & grime and more.
- Safe on most surfaces - floors, walls, grout, tiles, graffiti, baseboards, countertops, restrooms, building exteriors, auto interiors, tires & rims, vinyl surfaces, boats, planes & more.
- Industries - auto, janitorial, marine, factories, hotels, hospitals, nursing facilities, schools, day cares, office buildings, sports facilities, restaurants & more.
- Sponges wear down with repeated use. Replace as needed.

AUTOMOTIVE APPEARANCE PRODUCTS

20" SQUEEGEE

High quality keeps scrubbing & working while others wear out.

- Unique Flobond™ process creates tough nylon mesh that will not tear or loosen.
- 8" head made w/exclusive Flobond™ process for long life.
- 20" handle is solid high impact plastic, and will not warp, bend, break, or splinter like wood or hollow plastic handles.
- Quality-made in U.S.A.



Part No. 412273 12

Replacement head available separately order **Part No. 412274.**

24" - 41" TELESCOPING SQUEEGEE

High quality keeps scrubbing & working while others wear out.

- Adjusts to any length between 24" & 41". A twist of the wrist locks squeegee in place.
- Will not bend or twist loose.
- Same quality features as 24" squeegee.
- Perfect for cars, buses, RV's and trucks.



Part No. 412272

TACK CLOTH - (SUPER TACKY)

Traps all dirt, dust & lint.

- Super soft - will not harden.
- Static free.
- Individually sealed packs for guaranteed freshness.
- Leaves no residue.
- Super tacky.
- Will not dry out.
- Contains no waxes or silicones.
- Tan color.
- Size: 16” x 20”, folded to 4-1/2” x 4-1/2”.



Part No. 717375 (48)

7-1/2” ROUND COMPOUNDING PAD

- 100% 4 ply, virgin wool yarn pile - 1-1/4” height.
- Round edge prevents burning of painted surfaces.
- Recessed arbor hole fits contours of standard plates.
- Installation is easy, fast & secure.
- Can be cleaned or washed for reuse.

OUR OWN BRAND

PART NUMBER	PILE SIZE INCHES	QTY
213100	1	6



PROFESSIONAL WASH MITT

- Heavy duty and long wearing.
- Highly absorbent, non-scratching.
- Double faced, 8” x 11’’ with cuff.
- 2 per bag.



Part No. 213108

D14

SHOP USE ITEMS

INDUSTRIAL MARKERS

For identification and color-coding in maintenance & industrial settings.

DO NOT USE ON VINYL

- Fast drying, weather-resistant marks.
- Lead-free paint formulated for industrial applications.
- Use on any oily, greasy or rusty metal surface, PVC pipe, sheet metal, glass, wood, rubber, plastic, cardboard, lumber, paper or styrofoam.
- Replaceable bullet tips available. When the old tip is worn out, just replace it with a new one, for full use of marker.
- Marking range: -50° to 150°F.



PART NUMBER	COLOR	QTY
211140	Red	3
211141	Black	3
211142	White	3
211143	Yellow	3
211146	Blue	3
211150	Fluorescent Yellow	3
211151	Fluorescent Green	3
211152	Fluorescent Pink	3
211153	Fluorescent Orange	3



Part No. 211144
Six Replacement Tips

Part No. 211145
Assortment contains: (3 of each color)
Red/Black/White/Yellow

STEEL MECHANIC'S WIRE

Multi-purpose use. For hanging, supporting, tying back or holding objects in place.



- Soft, black, annealed steel - wraps & ties easily.
- One continuous length.

PART NUMBER 5 LB.	PART NUMBER 2 LB.	GAUGE	TYPE
11713	11717	18	Medium
11714	11718	16	Heavy
11715	---	14	X-Heavy

PERFORATED HANGER STRAPPING



All purpose hanger for pipes and conduit.

- Galvanized, carbon steel - flexible & corrosion resistant with 1/4" dia. holes, 3/4" on center for easy fastening.

PART NUMBER	GAUGE	WIDTH INCHES	LENGTH FEET	PACKAGE
11721	20	3/4	20	(2) ten foot rolls
11722	20	3/4	50	dispenser pack

PAINT STIKS

For layout, inspection or fabrication. Marks metal, wood, concrete, rubber, glass, cardboard and paper.



- Real paint in stick form, dries overnight.
- Marks any surface, any material, any texture - even oily, rusty, wet or icy cold surfaces.
- Weather and fade resistant.
- Marking range: -50°F to 150°F.

PART NUMBER	COLOR	QTY
211119	White	2
211120	Yellow	2

KING SIZE FELT TIP MARKERS

For identification of equipment, cartons and signs. Use on cardboard, wood, metal, paper, ceramics, glass & leather.

- Broad tip creates bold marks.
- Extra large ink supply for greater mileage & longer life.
- Fast drying, smear & water resistant.
- Tough cap and barrel for heavy-duty use.



SMP032112

PART NUMBER	COLOR
211118	Black

TRADES-MARKER®



Part No. 211154
(sold each)

SMP032112

- Retractable grease pencil with pocket clip.
- Needs no sharpening.
- Push button to advance.
- Marks plastic, glass, wood, paper, cardboard & metal.
- Won't rub off.
- Color: Red

SILVER-STREAK® & RED-RITER® WELDERS PENCILS

SMP032112



(Silver) Part No. 211155
(sold 12/bx.)

(Red) Part No. 211157
(sold 12/bx.)

- Economical high strength, high visibility pencils.
- Ideal for marking metal.
- Works well even on oily, rusty or wet surfaces.
- Resistant to torch flames.
- Will not rub or burn off like soapstone.
- Uses any standard pencil sharpener.

DURA-INK 15 FELT FINE BULLET TIP MARKERS



Part No. 211156
(sold 6)

SMP032112

- Fast drying.
- Smear & water resistant.
- Great for identifying parts, cartons, crates, etc.
- Use on cardboard, wood, metal, plastic, pvc, paper, ceramics, cloth & glass.
- Color: Black

MATS

The Ultimate Shock Absorber for Extreme Standing or Kneeling.

- 1" thick closed cell foam rubber.
- Will not compress set.
- Will not absorb liquids.
- Silicone Free.
- Reduces fatigue, knee trauma, and lower back stress.



STANDING MAT

Part No. 812780
Size: 18" x 36"

Yellow safety caution bar alert 1" height.

PSS073115



KNEELING MAT

Part No. 812781
Size: 14" x 21"

Built in handle for carrying or storing.

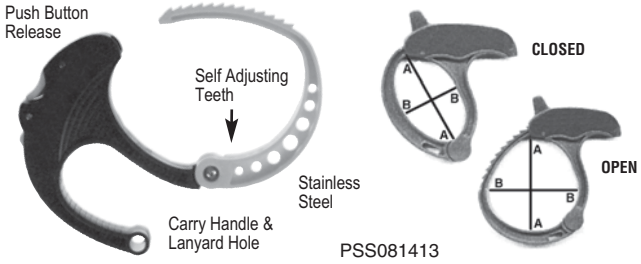
PSS073115

SHOP EQUIPMENT

SECURE & STORE CLAMPS

Reusable • Adjustable • Rugged

- Organize all your cords, wires, hoses, ropes, power tools, office equipment and much more.



PSS081413

PART NUMBER	SIZE	CLOSED (A) HEIGHT	CLOSED (B) WIDTH	OPEN (A) HEIGHT	OPEN (B) WIDTH
102025	Small	13/16"	1/2"	1-1/8"	1-3/16"
102026	Medium	1-11/16"	1-1/16"	2"	2-1/16"
102027	Large	2-3/4"	1-19/32"	3-7/64"	3-9/64"
102028	Mega	3-5/8"	2-7/64"	4-1/32"	4-1/16"

STORAGE STRAPS

Wrap-It™ Heavy Duty Storage Straps are the quick, easy and professional storage solution.

- Made of weather resistant 900 denier ballistic nylon.
- Includes industrial strength hook and loop.
- Metal grommet for hanging.
- Hundreds of uses.
- Find things at a glance.

Store:
Extension cords
Jumper cables
Power tools
Ropes
Hanging ladders
Hose and much more!



PSS042315



PART NUMBER	SIZE	DESCRIPTION	WIDTH x LGTH INCHES
112917	Small	Holds up to 50 lbs.	1 x 9-1/4
112918	Medium	Holds up to 75 lbs.	1-1/2 x 11
112919	Large	Holds up to 100 lbs.	2 x 11-1/2
112920	X Large	Holds up to125 lbs.	2-1/2 x 16
112921	Jumbo	Holds up to 150 lbs.	3 x 24
112922	Mega	Holds up to 150 lbs.	4 x 36

HEAVY DUTY DRIVEWAY SIGNAL HOSE

For driveway signal devices in service stations & garages.

- Long lasting synthetic rubber tubing.
- Specially designed & constructed to register under the slightest pressure, yet withstand full vehicle weight.
- Hose size: 3/8" ID x 5/8" OD.
- Packed in 50' rolls.



Part No. 10904

DRIVEWAY SIGNAL BELL

- 6" bell.
- Operates up to 300' of hose.
- Plugs into any 110 volt outlet.
- Made in the USA.

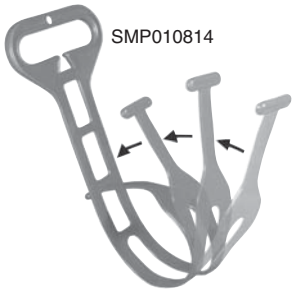


Part No. 813168

SUPER BUNDLER

Hangs tools, cords, hoses, gear and more.

SMP010814



- Adjustable to many sizes.
- The perfect organizer.
- Reusable.
- Easy to carry handle.
- Designed to hang anywhere.
- Flexible, yet durable.

Part No. 312185
Size: 4" W x 19" L





PLASTIC FUNNELS

1 qt. Funnel w/Flex Spout



Part No. 813232

Super Funnel

- Makes work easier and cleaner.
- Long spout.



Part No. 813231

STEEL SAFETY CANS

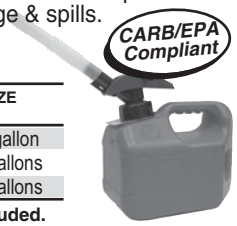
- 24 gauge hot dipped Galvanized Steel.
- Includes plastic funnel.
- Type I, meets OSHA & NFPA code 30.
- FM, UL & ULC approved for safe handling & storage of gasoline & other flammable liquids.



PART NUMBER	SIZE
813234	two gallons
813235	five gallons

SPILL-PROOF GAS CANS

- Meets California Air Resources Board's & E.P.A. requirements.
- Maintains airtight seal preventing leakage & spills.
- Lock or unlock to pour or store.
- Depress lever to pour, release to stop the flow.
- High density polyethylene.
- Child resistant.
- Rust free / dent resistant.



PART NUMBER	SIZE
813228	one gallon
813229	two gallons
813230	five gallons

***Flexible spout included.**

SIGNAL HOSE FITTING HOSE SPLICER

- Fits 3/8" ID signal hose.

Part No. 813169

SHOP EQUIPMENT

INSULATED HOSE NOZZLE

Sprays boiling hot or ice cold liquids.



- Rubber head guard protects threads on nozzle & prevents damage to surfaces.
- Heavy duty metalized all zinc body - chrome plated. Brass valve & adjusting nut with stainless steel spring. Heavy duty rubber washer included.
- Threaded front for attaching accessories.

Part No. **312225**

NYLON HOSE MENDERS



- Installs quickly & easily with only a knife & screwdriver.

HOSE SIZE	HOSE MENDER PART NUMBER	QTY	MALE PART NUMBER	QTY	FEMALE PART NUMBER	QTY
7/16, 1/2, 9/16	**312227**	2	**---**	-	**---**	-
5/8-3/4	**312230**	2	**312231**	2	**312232**	2

CONTRACTOR'S WATER HOSE

Top quality commercial and industrial grade water hose. Also for air and water base agricultural spray applications, including Monsanto Lasso.

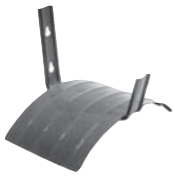


Part No. **109118**

NOTE: Not intended for steam or hot water pressure washers.

- EPDM polymer tube, spiral polyester cord reinforcement, black EPDM polymer cover.
- 5/8" I.D. x 50' length.
- Crimped ferrules and solid spun brass couplings.
- 150 P.S.I. working pressure.
- Maximum temperature to 175°F.

HOSE HANGER



- Heavy duty.
- Corrosion proof.
- Baked enamel finish.
- All metal construction.
- Holds up to 100 feet of hose.

Part No. **312237**

VINYL HOSE WASHERS



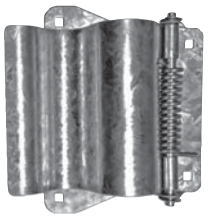
- Heavy duty.
- Sturdy.
- Corrosion resistant.

STOPS LEAKS!

Part No. **312236** 50

HEAVY DUTY BRACKET

Mount any long handle tool for on-the-go!



- Galvanized steel construction.
- Heavy duty industrial strength spring.
- Mount to walls, truck or trailer bodies.
- Use for shovels, rakes, brooms or other long handle tools.
- Mounts to any surface.
- Used by government fleets, construction or landscapes.

Part No. **10502**

PSS073015

NYLON HOSE NOZZLE



- Unbreakable and durable.
- Non-corroding nylon body.
- Polymer valve assembly with stationary nut.
- Heavy duty rubber washer included.

Part No. **312226**

BRASS CAP

- Caps off water hose when not in use.
- Constructed of brass barstock.
- 3/4-11-1/2" garden hose thread.

Part No. **312215** 5

SOLID BRASS QUICK COUPLERS

Convenient, instant coupling and uncoupling of accessories to hose.



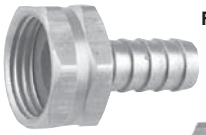
- Fast, durable and prevents hose damage.

PART NUMBER	TYPE
312238	Set-Male/Female
312239	Male End
312240	Female End

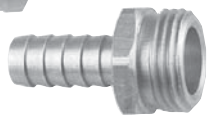
BRASS BARBED HOSE MENDERS



COUPLER



FEMALE SWIVEL



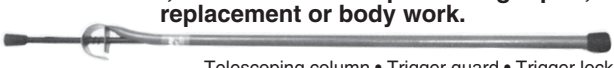
MALE

- Industrial grade.
- Repairs plastic or rubber garden hose.
- 3/4-11-1/2" garden hose thread.
- Constructed of brass barstock.
- Can be used with clamps or ferrules.

HOSE SIZE	FEMALE SWIVEL PART NUMBER	QTY	MALE PART NUMBER	QTY	COUPLER PART NUMBER
1/2	**312206**	2	**312209**	2	**312212**
5/8	**312207**	2	**312210**	2	**312213**
3/4	**312208**	2	**312211**	2	**312214**

HOOD HOLDER

Holds hood, door or trunk lid open during repair, replacement or body work.



Part No. **113896**

Telescoping column • Trigger guard • Trigger lock
Large column • Closed length: 28" • Extends to: 46"

Place large end in a stable and stationary location & position small telescoping rod on a secure spot under the hood or on door. Extend telescoping rod to desired opening. The pressure secures the position. To disengage: lift free end of trigger. For proper operation, trigger should touch only on closed side of trigger guard. **WARNING! Not for use as heavy duty supporter: 50 lbs. maximum**

STEEL STEP STOOL

- Platform dimensions: 16" W x 14" D x 10-1/2" H.
- 350 lb. capacity.
- Rigid 1" square tubing.
- Perforated.
- Meets OSHA standards.
- Overall W & D: 18-1/2" x 16-1/2".
- Weight: 16 lbs.



Part No. **812775**

PROTECTIVE CLOTHING

DISPOSABLE COVERALLS



- Polypropylene material with polyethylene coating, equivalent to "Tyvek®".
- Heavy duty 1.5 ounces.
- Durable and can be reused.
- Resists, water, oil, paint, dust & light chemicals.
- 1 pc. with zipper front, elastic wrist & ankles.

PART NUMBER	SIZE	QTY
312157	Large (44-46)	3
312158	X-Large (48-50)	3

RAINWEAR

PVC economy safety yellow rain suit.



- Lightweight, hooded jacket.
- Tough water-tight seams.
- Adjustable elastic suspenders.
- 35 mil Polyvinylchloride.

PART NUMBER	SIZE
312154	X-Large
312156	XX-Large
312159	XXX-Large

WEIDERCARE BACK SUPPORT SYSTEMS

Maximum support for abdominal & lower back muscles.



- BacBelt's tapered front panel has velcro closure - gives exact support.
- Lightweight and durable design.
- Superior quality.

PART NUMBER	SIZE	WAIST SIZE (INCHES)
812584	Small	26 - 30
812585	Medium	30 - 34
812586	Large	34 - 38
812587	X-Large	38 - 42

DENIM BIB APRON



- Heavy-weight denim rib apron with pocket at waist.
- Neck loop and waist straps.
- Length: 38".
- Denim weight: 10 - 12 oz.

Part No. **213114**

PVC NON-SLIP GLOVES



- Superior non-slip second coating grips slippery surfaces.
- Interlocked flexible knit liner.
- Fully coated with PVC.
- High resistance to wear, abrasion, acids, solvents and other chemicals.
- 12'' overall length.
- Men's size.

Part No. **312116**

CHEMICAL RESISTANT NITRILE GLOVES

- Soft cotton lining for added comfort.
- Superior resistance to cuts, abrasions & punctures.
- 13" overall length.
- 18 mil thick.



Soft Green Color

PART NUMBER	SIZE
312121	Large (9)
312122	X-Large (10)

KEVLAR ARM PROTECTORS

- Protect against exhaust pipe burns and sheet metal cuts.
- Heat resistant knit Kevlar fabric. Protects up to 600°F for short durations, 450°F for long durations.
- Snug fit - will not slip down while working.
- Machine washable & dry cleanable.



PART NUMBER	LENGTH (INCHES)
312117	15
312138	24

HEAVY DUTY WORK GLOVES



- Full leather palm, knuckles and fingers.
- Safety side split cuff, wing thumb.
- Palm lined for softness.
- Canvas back with elastic wrist strap.
- Gunn pattern, with seams away from wear surface.
- Fits all average and large size hands.

Part No. **312112**

HEAVY CANVAS WORK GLOVES



- Ideal for lubricating, greasy equipment clean up, painting and polishing.
- Tough leather palm & thumb.
- Inside palm lined for softness.
- Clute pattern.
- Men's size.
- Knit wrist.

Part No. **312111**

JERSEY WORK GLOVES



- Ideal for warehouse, factory, painting, polishing and clean up.
- Lightweight and economical.
- 9 oz. brown jersey.
- Knit wrist.
- Clute pattern.
- Men's size.

Part No. **312115** | Part No. **312173 - with Lining**

RANCH HAND™



- This split leather drivers glove is sewn with Kevlar® and made from select leather for increased abrasion resistance and greater protection.
- It features a keystone thumb for excellent dexterity and durability, a shirred elastic back.

Part No. **312174**

LEATHER DRIVING GLOVES



- Top grain tan cowhide.
- Continuous easy action thumb.
- Elastic wrist back strip.
- Gunn pattern, with seams away from wear surface.
- Unlined.

PART NUMBER	SIZE
312114	Large
312004	X-Large

FLEX TUFF GLOVES



- Blue texture rubber palm coated for wet or dry grip.
- Poly/cotton knit blend.

PART NUMBER	SIZE
312177	Large
312179	X-Large

PROTECTIVE CLOTHING

KEVLAR GLOVES

- Perfect for working near hot exhaust or engines.
- Made of the same material as our Kevlar arm protectors.
- Entire palm side studded for sure grip.
- One size fits all.



Part No. **312120**

DOTTED STRING KNIT GLOVES

- Poly/cotton blend string knit gloves.
- Plastic PVC dots on **Both Sides** provide extra grip & durability.
- Knit wrist style.



PART NUMBER	SIZE
312175	Large
312176	X-Large

POLAR INSULATED LEATHER PALM GLOVES

- Thinsulate® lining & knit wrist keeps hand warm and protected from cold. Use to protect from sparks, abrasions and heat.
- High quality tough leather palm exterior. Knuckle strap & full leather thumb and index finger. Double stitched along the index finger, wrist & cuff provide excellent durability.
- Fully lined gloves provide superior insulation & comfort.
- One size fits most.



Part No. **312145**

CUT RESISTANT GLOVES (BLACK MAMBA)

Reduces the risk of injury and related expenses.

- Made from Ultra High Molecular Fibers.
- High tensile strength relative to weight & up to 15x's stronger than steel.
- Polyurethane coating for superior grip & protection.
- Allows your hands to breathe.
- Light, comfortable with a tight knit wrist.

Use for glass, sheet metal & other sharp objects.



PSS041814

ANSI 3 ABRASION | ANSI 5 CUT | EN388 4544

PART NUMBER	SIZE
312137	Large
312187	X-Large

INSULATOR™ GLOVES

Used by utility companies, meat and poultry processing plants, commercial fishing, dairies, refrigerated warehouses or any cold environment.

- Made from Dupont's 100% Thermax fibers.
- Thermax wicks moisture away from skin leaving a warm, dry layer of air trapped next to the skin.
- Offers warmth without weight.
- Machine washable/dryable.
- Same heat resistance as wool.
- Color: white.
- Fits both men and women.
- One size fits all.
- Reversible.
- Use alone or as a liner.



GLOVE DISPENSER RACK



Part No. **415169**
PSS082316

- Metal back plate for wall mounting (mounting screws and anchors included).
- Holds boxes of disposable gloves.

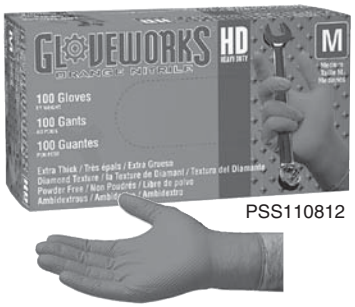


- Wire dispenser - industrial duty & PVC coated.
- Keeps gloves within easy reach.

INDUSTRIAL ORANGE NITRILE GLOVES

Gloveworks® Powder Free, Textured Nitrile Gloves

- Superior comfort, strength & tactile sensitivity.
- Excellent grip wet or dry.
- Design on both sides of the gloves, fingers and palms.



PSS110812

PART NUMBER	SIZE
415171	Medium
415172	Large
415173	X-Large
415174	XX-Large

100 gloves per box.

INDUSTRIAL GREEN NITRILE GLOVES

Gloveworks® Powder Free, Textured Nitrile Gloves

- Popular with first responders.
- Superior comfort, strength & tactile sensitivity.
- Excellent grip wet or dry.
- Diamond textured on both sides of the gloves, fingers and palms.
- 8 mil thick.
- Powder & latex free.



PSS061517

PART NUMBER	SIZE
415175	Medium
415176	Large
415177	X-Large
415178	XX-Large

100 gloves per box.

IND. GRADE BLACK NITRILE GLOVES

GlovePlus® Powder Free, Textured Nitrile Gloves

- "GET IN THE BLACK" & out of the ordinary nitrile gloves.



PSS110812

- 20% thicker than our standard blue nitrile.
- For auto., janitorial, plumbing, ind. applications, also approved for food handling & prep work.
- Textured & powder free so they won't interfere with fresh paint finishes or tacky adhesives.

PART NUMBER	SIZE
415179	Medium
415180	Large
415181	X-Large
415182	XX-Large

100 gloves per box.

PROTECTIVE CLOTHING

INDUSTRIAL GRADE BLUE NITRILE GLOVES

Gloveworks® Powdered, Textured Nitrile Gloves

- 3X's the puncture resistance of comparable latex or vinyl gloves & are free of latex proteins.
- Polymer coating provides easier donning & superior comfort.
- Textured to provide an excellent non-slip grip.



PSS110812

Latex Free

PART NUMBER	SIZE
415225	Medium
415226	Large
415227	X-Large

100 gloves per box.

INDUSTRIAL BLACK NITRILE GLOVES

Gloveworks® Powder Free, Raised Diamond Textured

- Superior durability.
- 6 mil thick.
- Aggressive grip in wet, dry or oily conditions.
- Superb tensile strength.
- Outperforms Raven.



PSS082416

100 gloves per box

PART NUMBER	SIZE
415314	Medium
415315	Large
415316	X-Large
415317	XX-Large

INDUSTRIAL BLUE NITRILE GLOVES

Gloveworks® Powder Free, Textured Nitrile Gloves

- Latex and powder free, with superior comfort, strength & unsurpassed tactile sensitivity.
- Polymer coating assures easy donning.



PSS110812

PART NUMBER	SIZE
415320	Medium
415321	Large
415322	X-Large

100 gloves per box.

EXAM GRADE BLUE NITRILE GLOVES

+AMMEX® Powder Free, Textured Nitrile Gloves

- Powder and latex free, chlorinated, with a micro-roughened grip.
- Preferred choice for latex sensitive individuals, they provide superior comfort & strength with unsurpassed tactile sensitivity.
- 3X's the puncture resistance of comparable latex or vinyl gloves.
- A high performance, exam grade.



Latex Free

PSS110812

PART NUMBER	SIZE
415135	Medium
415136	Large
415137	X-Large

100 gloves per box.

HEAVY DUTY LATEX GLOVES

Gloveworks HD® Powder Free, Textured Latex Gloves

- At 8 mils, they are twice as strong as standard disposable gloves, yet provide the dexterity you've come to expect in a latex glove.
- Heavy duty, powder free industrial grade latex gloves feature a smooth interior for quick, easy donning & a textured surface for a terrific grip.



PSS110812

PART NUMBER	SIZE
415300	Medium
415301	Large
415302	X-Large

100 gloves per box.

HEAVY DUTY X-LONG LATEX GLOVES

GlovePlus HD® Powder Free, Textured Latex Gloves

- X-strong & x-long (12") exam grade gloves provide added protection for the wristband lower forearm.
- Maintains excellent sensitivity while being over twice as thick as standard latex gloves.



PSS110812

PART NUMBER	SIZE
415310	Medium
415311	Large
415312	X-Large

50 gloves per box.

EXAM GRADE LATEX GLOVES

GlovePlus® Powder Free, Textured Latex Gloves

- Micro-roughened surface assures an excellent wet or dry grip.
- Reduced protein levels are due to extended leaching process.
- Chlorinated with no residual powder.



PSS110812

PART NUMBER	SIZE
415140	Small
415141	Medium
415142	Large
415143	X-Large

100 gloves per box.

INDUSTRIAL VINYL GLOVES

GlovePlus® Powder Free, Smooth Vinyl

- Vinyl powder free gloves contain no latex proteins.
- Made from clear vinyl (PVC).
- Non-medical use only.



Latex Free

PSS110812

PART NUMBER	SIZE
312148	Medium
312149	Large
312146	X-Large

100 gloves per box.

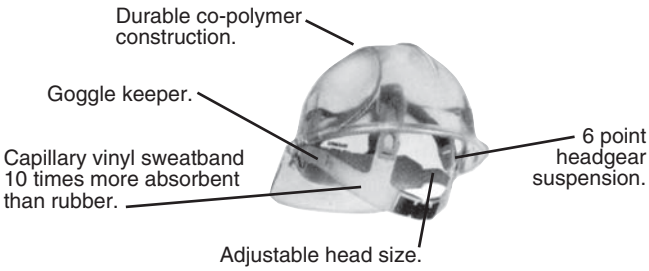
D14

SAFETY EQUIPMENT

HARD HAT

Meets ANSI Z89.1 - 1997, Type 1 specs. for class C, E & G applications.

- Ultimate in comfort and protection.
- Strong, lightweight, fully dielectric, high quality construction.





PART NUMBER	COLOR
812550	White

One size fits all.

FACE SHIELD

Meets ANSI Z87.1-1979 specifications.



Part No. 812556

BIONIC SHIELD

Meets ANSI Z87.1-2003 (High Impact) & CSA Z94.3 standards.



Part No. 812668

Additional lenses sold separately see D13 section.

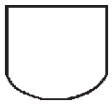
LENS CLEANING WIPES



- Pre-moistened individually wrapped towelettes, 100 per box.
- Use to clean safety glasses, safety goggles, face shields, computer screens, plastic, glass or polycarbonates.
- Anti-static, anti-fog formula (contains no silicone).

Part No. 312192

WINDOWS FOR SHIELDS



PART NUMBER	SIZE INCHES	COLOR	USED WITH SHIELD NO.
812558	8 x 12 x .040	Clear	**812556**
812559	8 x 12 x .040	Green-shade B	**812556**
		B - Medium Green	

3M INDUSTRIAL DUST / MIST RESPIRATOR 8210

- At least 95% filtration efficiency against solid & liquid aerosols that do not contain oil.
- NIOSH approved: N95.
- **Use for:** solids such as those from processing minerals, coal, iron ore, flour and certain other substances. Liquid or non-oil based particles from sprays that do not also emit oil aerosols or vapors.
- **DO NOT USE FOR:** paint spray, oil aerosols, gases, vapors, asbestos or sandblasting. Does not supply oxygen.



Part No. 908210
20 per box

3M NON-TOXIC PARTICLE MASK 6985



Part No. 906985
50 per box

- Comfortable fitting mask provides relief against non-toxic dusts.
- Made of flexible filter material, specially contoured to stand away from the face.
- One mask fits all - no straps to adjust.

DUST MASK - *NIOSH / MSHA APPROVED*

FEATURES:
- No metal clips.
- Self adjusting nose bridge.
- "Hug-on" flaps.

Part No. 113264 20



GUARANTEED TO:
Cost less per mask than 3M #8710 & #6983 masks.

- Viledon®/ Microndon crush proof state of the art filter media.
- Designed to wear low on the nose without discomfort.
- Positively the most comfortable mask available!
- Protects against toxic dusts and mists only.
- Not to be used for fumes, vapors, gases in spray paint operations, abrasive blasting or fire fighting.

GENERAL PURPOSE DUST MASK

- Protects against non-toxic dusts & mists.
- Lightweight.
- Clear vision.
- Easy breathing & speaking.
- Maintenance free.

Part No. 113228 (50)



NOTE: Tested to U.S. Government NIOSH specifications (Code of Federal Register, Title 30, Part II Par. 11. 140-4 and 11.140-5). Although this mask has been tested according to NIOSH standards, ***it is not a NIOSH approved*** *mask* & may be used only for protection against non-toxic and nuisance dusts.
WARNING: Not suitable for use against toxic or hazardous air contaminants, such as, but not limited to, paint spray mists, asbestos, silica, cotton or other toxic dusts, fumes, gasses and vapors. It is the responsibility of the user to determine the suitability of this mask for his/her application. If there is any doubt as to the applicability of the Dust Mask, Part No. 113228 please consult an industrial hygienist.

SAFETY EQUIPMENT

MID RANGE EARMUFF

The simple height adjustment works well for any head shape.

- Broad foam cushions give low comfortable surface pressure for a secure and comfortable fit.
- Individual stainless-steel headband wires and ultra lightweight (5-1/8 oz.).
- Pressure equalization air openings correct pressure to the eardrum.
- Complies with ANSI S3.19-1974.



Part No. **812509**

EAR PLUGS

Soft silicone construction provides easier insertion and comfortable, all day fit.

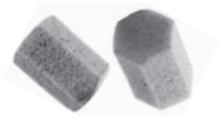
- Unique conical shape allows one size to fit 85% of all ears.
- Non-toxic and non-allergenic.
- Reusable, wash with mild soap and warm water.
- May be worn under winter liners.
- Complete with safety cord.



Part No. **812576**

SOUND SILENCER® PLUS Soft Foam Ear Plugs

- One size fits all - no need to carry multiple sizes.
- Self adjusting foam - expands upon insertion.
- Custom fit - conforms to virtually any ear canal shape.
- Washable and reusable.
- Non-irritating, non-allergenic.
- Noise reduction rating - 27 decibels.
- Sealed in a plastic bag for maximum cleanliness.



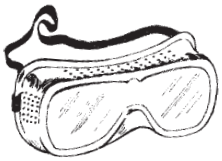
Part No. **812507** 10



SAFETY GOGGLES

OSHA Approved

- Optical quality, distortion free, clear plastic lenses.
- Perforated soft vinyl frame for maximum ventilation.
- Fits over personal glasses.
- Protects against flying particles, sparks and splashes.
- A necessity when grinding, scaling or scraping.



Part No. **812118**

SAFETY GLASSES

OSHA Approved

- Polycarbonate clear lenses - impact resistant.
- Unique full view wrap around design for maximum protection.
- One piece optical front.
- Specially designed vented side shield temples.
- 4 post hinge system.



Part No. **812120**
Clear color frame

VISITOR GLASSES

- Lightweight high optical quality plastic.
- One size fits all.
- Wrap around design for full view.
- Side shields give added protection.
- Fits over personal glasses.



Does not comply to ANSI Z-87.1 - 1979 specifications

Part No. **812121**
Clear color frame

ANTI-FOG SAFETY GLASSES

- Lightweight polycarbonate lens that complies with ANSI.
- Ratcheting temples that adjust up to 13 inclination positions.
- Temples have glass cord holes for easy and secure fastening.
- Provides a wide range of vision and excellent side and brow protection.



Part No. **812598**

- Contemporary style and adjustable temple length.
- X-Coat for superior scratch resistance.

SPECTRA® SAFETY GLASSES BY WILLSON

PART NUMBER	LENS	LUMINOUS TRANSMITTANCE
812504	Clear	89% min.
812505	Gray	14-20%



- **Increased Wearer Comfort:**
  - Lightweight, fashionable style.
- **High on Quality & Protection:**
  - Impact resistant polycarbonate lens.
  - Anti-scratch coating for long lens life.
- **Special Features:**
  - Replaceable large unitary lens for excellent field of vision.
  - Nose bridge designed for comfort & universal fit.
  - Special frame design prevents lens contact with rough surfaces.
- **Specifications:**
  - Exceeds all ANSI Z87-1 performance standards.
  - Accepted by OSHA in compliance with 29CFR 1910.
  - NOT unbreakable, NOT for welding, does NOT meet ANSI 287-1 requirements for radiant energy transmission.

NEMESIS™ SAFETY GLASSES

All our first aid kits & safety supplies meet OSHA requirements.

PART NUMBER	LENS
812765	Clear
812766	Smoke Mirror
812767	Blue Mirror
812768	Amber
812769	5.0 For Mild Cutting



- Sleek, sporty style.
- Soft touch temples.
- Lightweight construction.
- Single lens wrap-around protection.
- Comes with an adjustable, breakaway Flexicord™ retainer for added security and convenience.
- Meets ANSI Z87.1 + standards.

Protect yourself and your company

WOUNDSEAL™

Topical powder stops bleeding instantly.

- Seals & protects wounds from infection.
- Safe for diabetics & those using blood thinners.
- Reduces employee down time & trips to the ER.
- Reduces OSHA reportable incidences.



Contains:
1-squeeze bottle for larger application or several smaller ones

Part No. **312184**
PSS050212

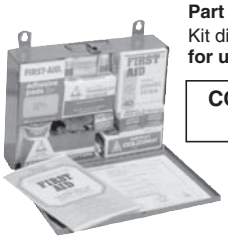
D14

SAFETY EQUIPMENT

INDUSTRIAL FIRST AID KITS

Used in industrial plants, offices, machine shops, construction sites, laboratories, service stations, auto body shops, restaurants, vehicles, public buildings, farms, homes, etc.

- Provides quick, safe, on-the-scene treatment of injuries.
- Contents based on statistics, to cover most accidents.
- Kits attach easily to a wall or can be easily removed and taken to an injured person.



Part No. 312101
Kit dimensions: 10-5/8" x 7-3/8" x 2-3/8"
for up to 25 people

COMPLETE REFILL in polybag
Part No. 312178



Part No. 312102
Kit dimensions: 13-3/4" x 9-1/4" x 2-1/4"
for up to 50 people

COMPLETE REFILL in polybag
Part No. 312189

NOTE: While school bus regulations vary by state, Our first aid kits meet many of the basic requirements.

DOT FIRST AID KIT



Used in mini buses and vans.

- DOT approved.
- Metal gasketed case for demanding applications in fleet use.
- 10 person kit.

Part No. 312104

COMPLETE REFILL
Part No. 312108

Kit includes:

16-adhesive strips, 3/4" x 3"
1-adhesive tape, 1/2" x 2 yds.
3-alcohol wound wipes
3-ammonia inhalants
12-aspirin tablets, 5 gr.
1-cold pack
2-eye pads
1-first aid/burn cream, 7/8 oz.
5-gauze pads, 4"
1-gauze bandage, 2" roll
3-sting relief wipes
1-scissors
1-triangular bandage
1-tweezers
1-instructions
2-nitrile gloves

PLASTIC STRIPS



- Non-stick pad.
- 3/4'' x 3''.
- Sterile.

Larger Quantity

Part No. 312125 100

KNUCKLE & FINGERTIP BANDAGES



- Use for both knuckle & fingertips.
- Comfortable wound protection.
- Protects cuts, scrapes & abrasions.
- 20 bandages per box.

Part No. 312191

DELUXE HANDYMAN FIRST AID KIT



- A well stocked kit, packed in a rust-proof reusable plastic container.
- Fits conveniently in the glove compartment.
- Provides essential supplies for emergencies on the road or elsewhere.

Part No. 312103

Kit includes:

10-heavy woven adhesive strips
2-heavy woven extra large strips
2-heavy woven knuckle bandages
2-heavy woven fingertip bandages
2-sterile 3" gauge pads
1- roll 1/2" adhesive tape
10-antiseptic wipes
3-first aid/burn cream packets
3-sting relief wipes
2-motion sickness tablets
4-extra strength non-aspirin tablets (for headaches and fever)
2-ibuprofen tablets (for muscular & feminine relief)
1-trilingual first aid instruction sheet (english, spanish & french)

SCHOOL BUS FIRST AID KIT



- Pennsylvania 10 unit school bus first aid kit.

Part No. 312105

COMPLETE REFILL
Part No. 312107

Kit includes:

16-adhesive strips
4-gauze pads, 3"
2-adhesive tape, 1"
4-bandage compress, 2"
2-bandage compress, 3"
2-gauze bandages, 2"
1-triangular bandage, 40"
1-gauze compress, 1728 sq. in.
4-eye pads
1-scissors

FABRIC BANDAGES



- Conforms easily to wounds.
- Stays put even when wet.
- 3/4" x 3".

Part No. 312199 100

ADHESIVE PADS



- For large cuts.
- 2'' x 3''.
- Non-stick pad.
- Sterile.

Part No. 312126 10

ADVIL TABLETS



- Ibuprofen tablets, 200 mg. each tablet, non-prescription strength.
- Pain reliever / fever reducer.
- Provides temporary relief of minor aches, arthritis, muscle aches and headaches.
- 50 individually wrapped packets of 2.
- Use only as directed. Read all warning labels before use.

Part No. 312193

PSS012012

SAFETY EQUIPMENT

GAUZE PADS

- 3" x 3".
- Sterile.
- For large wounds and burns.



Part No. 312129 10

ANTISEPTIC WIPES

- Wound cleaner.
- Promotes healing.
- Prevents infection.
- Individual foil packs.



Part No. 312127 10

EYE WASH

- Sterile.
- Soothes.
- Cleanses.
- Refreshes.
- 1/2 fl. oz. bottle.



Part No. 312134

FIRST AID KIT REFILL ASSORTMENT

Contains one each of 5 different fast moving essential items.

Part No. 312172
5 pieces • 5 items
312167 312169 312171 312168 312170
Numbers in assortment



- **Contains:** Isopropyl Alcohol Spray, Burn Spray, Cut & Scrape Spray, Hydrogen Perioxide & Sting Relief sprays.
- 2 oz. pump sprays fit easily into first aid cabinets, glove compartments, drawers or pockets.

PSS121712

CUT & SCRAPE SPRAY

- Temporary pain relief & aid in preventimg infection.
- Effective against: MRSA drug resistant bacteria.
- 2 oz. pump spray.



PSS121712 **Part No. 312169**

STING RELIEF SPRAY

- Provides temporary relief from pain & itching caused by insect stings & bites.
- Spray affected area, feel relief fast.
- Dries instantly.
- 2 oz. pump spray.



PSS121712 **Part No. 312171**

ANTISEPTIC & BURN OINTMENT

- Soothes wound.
- Relieves pain.
- Reduces danger of infection.
- 20 packets.



Part No. 312128

EMERGENCY EYE & SKIN FLUSH

As soon as there is an eye injury, there's not a moment to waste, the quickest possible response is essential.

Part No. 312166
Wall Mount Station with (1) 16 oz. Flush Solution Bottle.

Part No. 312196
32 oz. Refill Flush Solution Bottle Only.

Part No. 312197
Wall Mount Station with (1) 32 oz. Flush Solution Bottle.



- Dual functions will treat both eye & skin accidents.
- Sterile solution provides immediate relief.
- Highly visible mounting stations may be mounted with screws or double stick tape.

ISOPROPYL ALCOHOL SPRAY

- Clean & sanitize minor cuts, scrapes & abrasions.
- Spray over affected area.
- Prevents infections, dries within seconds.
- 2 oz. pump spray.



PSS121712 **Part No. 312167**

BURN SPRAY

- For quick, soothing pain relief of minor burns.
- Cools & soothes damaged skin without trapping heat.
- Dries without leaving skin feeling sticky.
- 2 oz. pump spray.



PSS121712 **Part No. 312168**

HYDROGEN PEROXIDE SPRAY

- Painless formula antiseptic treatment.
- Spray over affected area.
- Bubbles out dirt & bacteria.
- Allow to dry before bandaging.
- 2 oz. pump spray.



PSS121712 **Part No. 312170**

BLOOD CLOTTING SPRAY

- Controls bleeding.
- Treats minor cuts & abrasions.
- Temporary relief of pain.
- Promotes healing, prevents infection.
- Environmentally safe, no fluorocarbons.
- 3 oz. spray.



PSS072914 **Part No. 312011**

SAFETY EQUIPMENT

PSS09291616.812546.547

ABSORBENT PADS

UNIVERSAL TYPE ABSORBENT PADS



- Absorbs all solvents, coolants, water and oil based chemicals.
- Ideal for use around machinery and equipment.
- For routine maintenance or where daily leakage and drips occur.

Part No. 812546

17" x 19" x 1/8" - 100 per pak

PETROLEUM BASED TYPE ABSORBENT PADS



- Absorbs oils and other petroleum based liquids.
- Will not absorb water based chemicals.
- These pads float and will not fall apart when used on water.
- Excellent for emergency aqueous environment clean-up.

Part No. 812547

17" x 19" x 1/8" - 100 per pak

DISPENSER BOX - SOCK-PAD-ROLL



- Use it right out of the box as a sock, pad, roll or a pillow.
- 50' length of 18" wide high absorbent AirMatrix™ core folded & tacked to form a 4" thick strip that is perforated every 16".
- Take on the job or store behind vehicle seat.

Dispenser Box Size: 25" x 5" x 14" Weighs only 6 lbs.

* Yellow is used to readily identify hazardous material.

PART NUMBER	USED FOR	PAD COLOR
812579	Oil / Petroleum	White
812580*	Hazardous Materials	Yellow
812581	Universal	Gray

SPILL CLEAN-UP KIT

***RECOMMENDED FOR BLOOD & BODILY FLUIDS.**



Part No. 312106

Contains:

(1) bottle absorbent powder (2 oz.)
(1) scoop & spatula
(1) hard surface disinfectant cloth (EPA approved)
(1) biohazard bag
(1) unmarked bag (for non-infectious waste)
(1) pr. nitrile exam gloves
(2) antiseptic towelettes

Directions are on the back panel of the box.

BONDED DRUM-TOP PADS

Keep 55 gallon drums clean and neat.



- Strong enough to stand up to fluid leaks from pumps and dispenser cans.
- Absorbs fluids and leaks from drum top pumps and dispenser cans.
- Great for drums that are stored outside.



PSS092816.812758.759

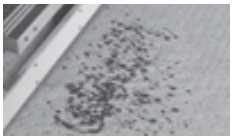
WHITE
For "Oil" Only
Part No. 812759 25

GRAY
"UNIVERSAL" For Solvents, Coolants, Water & Oil Based Chemicals
Part No. 812758 25

SORBENT ROLLS



- Sorbents rolls are constructed from a single layer of high quality uniform polypropylene fibers that are sonically bonded together for added strength and to reduce lint fall off.
- Rolls are perforated for easy use.



PSS09291616.812760.761.762

GRAY
"UNIVERSAL"
Part No. 812760

WHITE
For "Oil" Only
Part No. 812762

GRAY CAMOFLAGE
Extra thick for all liquids
Part No. 812761 1 roll

ALL PURPOSE ABSORBENT

All-natural, 100% organic coconut husk absorbent.



- Universal, non-hazardous, & non-reactive, non-carcinogenic.
- Lightweight & certified non-leaching.
- Absorbs on contact & dust free .
- Non-abrasive.
- Landfill safe.

PSS041615

Approved by: NSF EPA OMRI

PART NUMBER	SIZE	ABSORBENCY (LIQUID)	EQUAV TO CLAY
812776	1 Gallon	2.5 Qts	35lbs
812777	9 Liters	10 Qts	100lbs
812778	35 Liters	24 Qts	250 + lbs

EMERGENCY SPILL KIT

A spill kit is necessary to comply with OSHA hazardous material training program CFR 1910.120 and the department of transportation (D.O.T.) HM-126F Training requirements for hazardous materials employers.



Kit Includes:

(15) absorbent pads
(3) universal boom socks
(1) pair chemical splash goggles
(1) pair protective gloves
(2) all-purpose waste disposal bags

Part No. 812583

Sas No. SAS7750

- Ready for immediate, cost effective response to oil, paint or petroleum based product spills.
- Easy to carry and fits behind most delivery vehicle seats, which allows delivery driver/worker to quickly and easily respond to emergency clean up of small spills and container leaks.

Under the Department of Transportation regulation HM-126F, any employer who uses one or more employees to transport, load, unload or even handle hazardous materials in conjunction with their transportation is a Hazardous Materials (Hazmat) Employer. (This includes a tow truck operator who carries gasoline on the truck.)

SAFETY EQUIPMENT

GRIP RENEW

Add a grip to any tool or handle.

- Provide a comfortable non-slip grip.
- Strong durable material.
- No gluing or heating required.
- Simple installation.
- Just slide, pull the tab and grip shrinks around the object.

(PSS062916)



PART NUMBER	SIZE	HANDLE SIZE (DIAMETER)	FIT OVER CLEARANCE
113020	Small	.68 - 1.1"	1.3"
113021	Medium	.79 - 1.5"	1.6"
113022	Large	.98 - 2.0"	2.3"

SIGNS



7" x 7"
Part No. **812928**



4" x 18"
Part No. **812925**
Pressure Sensitive Vinyl

Part No. **812926**
Plastic

Glow - 2" x 10"
Part No. **812944**
Pressure Sensitive Vinyl



BUG OFF™ BRACELET

Most effective protection available in an easy to use form - no messy lotions or sprays.

REPELS mosquitoes, flies, gnats, fleas, ticks, head lice, no-see-ums. Non-toxic patented formula.

Active ingredient: Geraniol

DEET FREE BUG REPELLENT

- Waterproof.
- Will not stain clothing.
- Lasts up to 120 hours.
- No residue or unpleasant order.
- EPA exempt. Safe for use, no need for registration.



Part No. **211465** (12 per pack)

EMERGENCY SEAT BELT KNIFE

- Small, light weight.
- Cuts seat belts fast in an emergency.
- Bright color for easy visibility.
- Designed to prevent accidental cuts.



Part No. **638403**

SEAT BELT

- Quick release metal-to-metal, 100% all nylon webbing.
- Only premium quality steel.
- Hardware not included.
- 90° mounting brackets.
- 74" belt - with sewn hardware used on buses, trucks, etc.
- Color: Black.



Part No. **638400**

IVYX™ PRE-CONTACT TOWELETTE

Poison oak & ivy formula.

- Handy pre-contact towelettes can prevent rashes from exposure to poison ivy, poison oak or sumac.
- Apply this poison barrier before outdoor work using individually wrapped towelettes to ensure even coverage.
- Packaged 25 handy towelette packets per dispenser box.



Part No. **211491**
(25 per pack)

SAFETY CONES

- DOT approved.
- Form traffic lanes for fast lubes.
- Protects work crews near roads.
- High visibility.
- Unbreakable.

Height: 18"



Part No. **812700** 10

MASTER® SAFETY LOCKOUT HASP

- Keeps equipment inoperative while repairs or adjustments are made.
- Attach device to energy disconnect switch.
- 1" diameter jaws.
- Control can't be turned on until last worker's padlock is removed.
- Insulated with bright vinyl coating.
- Lockout by up to 6 workers at each lockout point.
- Heavy gauge steel resists prying.



Part No. **915334** 2

See catalog section "G17" for more padlocks, keys & accessories.

FLUORESCENT MESH SAFETY FLAG

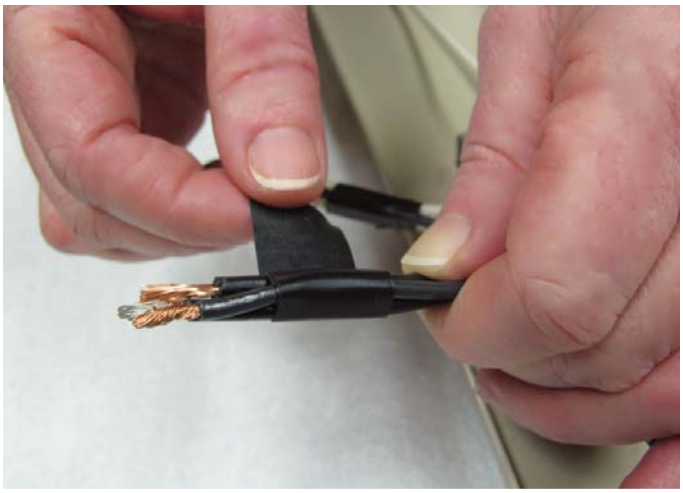
Mounted on 3/4" x 27" staff.

- These 18" x 18" mesh flags are made of fluorescent orange knitted vinyl mesh material.
- Recommended to be used on fast moving vehicles.
- These flags will overcome the objections from "whipping", such as cracking, peeling or fraying.



Part No. **812748** (6)

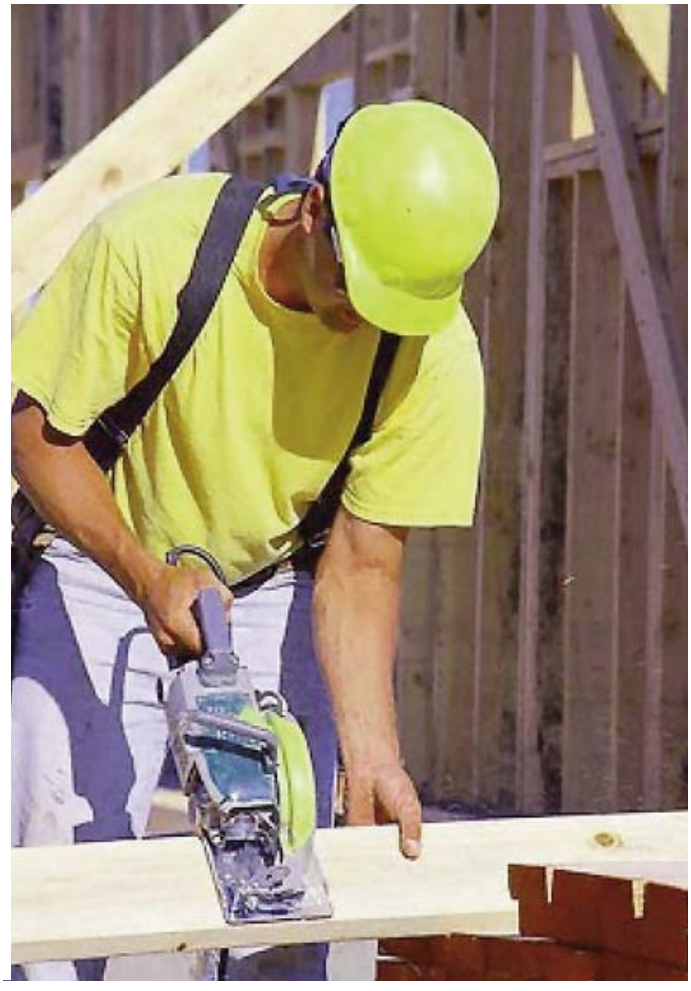
D SECTION TOOLS & SHOP SUPPLIES













E - ELECTRICAL HARDWARE













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E11	WIRE	E11
E12	CONNECTORS/FASTENERS	E12
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Terminal Coatings E15-1

NOTES

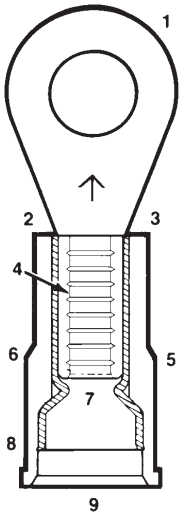
PERMATITE "DOUBLE CRIMP" NYLON TERMINALS

PREMIUM QUALITY, NYLON INSULATED with INSULATION GRIP

1st Crimp Grips Wire

1. One-piece, burr free construction for maximum electrical conductivity. Electro-tin plating for maximum corrosion resistance. Annealed to relieve stress points and assure maximum installed strength.
2. Barrel-to-pad transition designed to minimize flexing and bending.
3. Open-end design permits visual inspection of wire location before and after crimping.
4. Multiple "V" grooves for maximum holding power and current flow.
5. Injection molded insulation provide the highest quality terminals in the industry.

- 1050C rated, tough, resistant electrical grade materials.
- Molding insures consistent wall thickness for maximum reliability after crimping.
- Molding affords Funnel Barrel construction for easier installation.
- Molding offers the crimp ridge and non-slip ridge.



2nd Crimp Grips Insulation

6. Crimp ridge designed for positive location of tool on terminal barrel which means fewer miscrimps.
7. Funnel Barrel construction provides excellent electrical and mechanical connections.

- Positive and easy wire insertion.
- Eliminates strand hangups.
- No wire twisting necessary.
- Insures good crimp contact and electrical conductivity.
- Nylon-insulated terminals feature a brass sleeve for optimum grip on insulation, strain relief and vibration protection. Sleeve is recessed for excellent flash-over protection.

8. Non-slip ridge so tool slides to end of terminal for proper crimp and better workmanship.
9. Beveled leading edge for easy insulation entry.

U.L. Listing and CSA Certification.

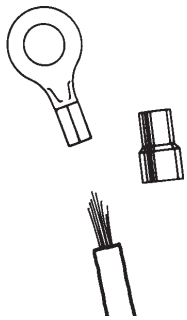
U.L. file number 36507 and 76317
CSA file number 22190

*U.L. test-U.L. 486 or U.L. 10
*CSA test-CSA C22.2 No. 65, No. 153 or No. 188
*Based upon stranded copper wire.

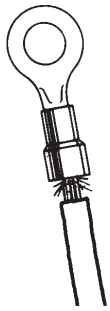
"DOUBLE-CRIMP"

PERMATITE "DOUBLE-CRIMP" Terminals are engineered to prevent these common failures.

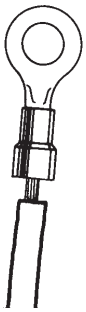
Prevents PULL-OUT



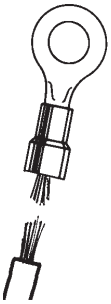
Prevents FRAYED WIRES

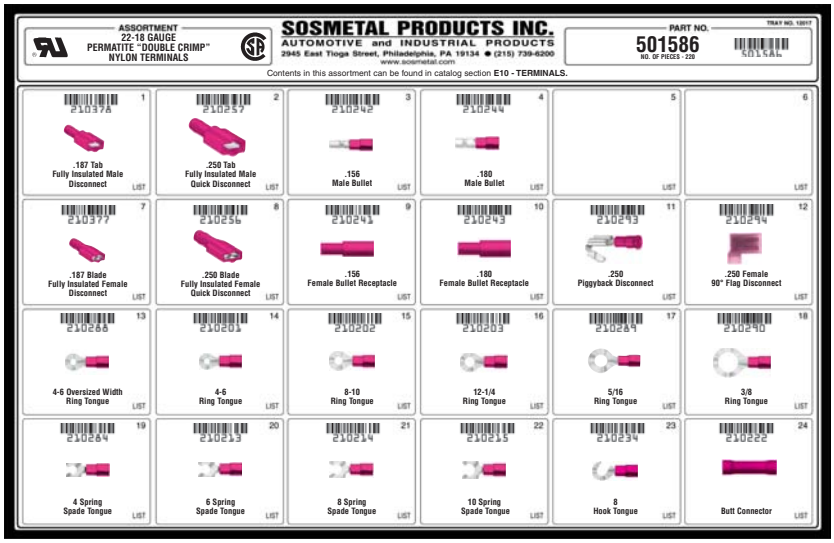


Prevents EXPOSED WIRES



Prevents BROKEN CONNECTIONS





22-18 GA. PERMATITE "DOUBLE CRIMP" NYLON TERMINAL ASSORTMENT

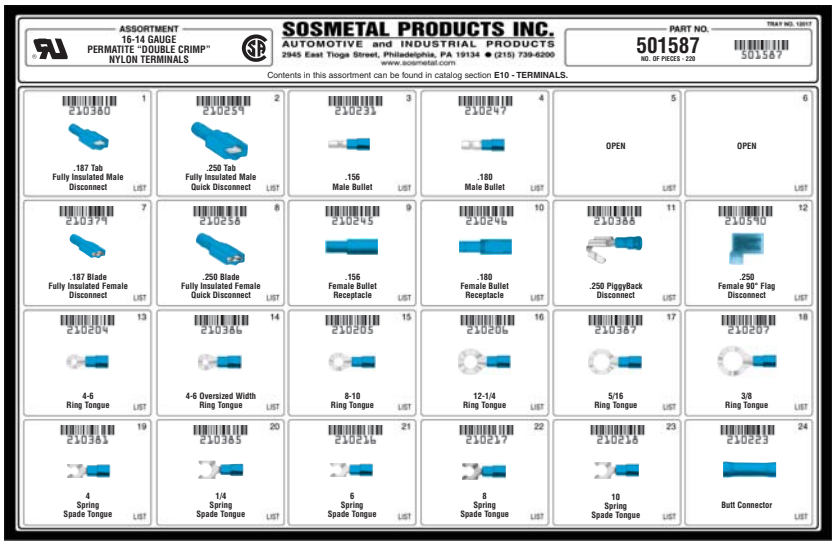
Part No. 501586

220 pieces • 22 items • 12017 steel tray

210201	210214	210241	210256	210289	210377
210202	210215	210242	210257	210290	210378
210203	210222	210243	210284	210293	
210213	210234	210244	210288	210294	

Numbers in assortment

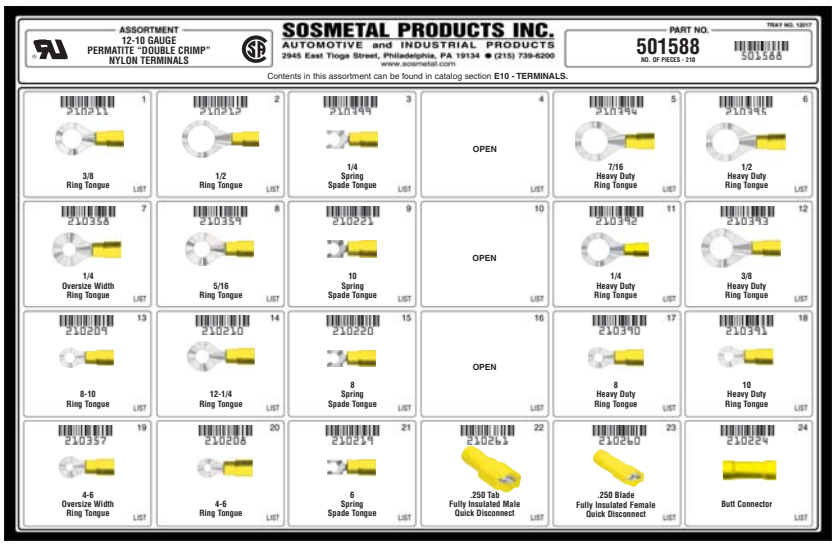
PERMATITE TERMINAL ASSORTMENTS



16-14 GA. PERMATITE "DOUBLE CRIMP" NYLON TERMINAL ASSORTMENT
Part No. 501587
220 pieces • 22 items
12017 steel tray

210204	210218	210258	210386
210205	210223	210259	210387
210206	210231	210379	210388
210207	210245	210380	210590
210216	210246	210381	
210217	210247	210385	

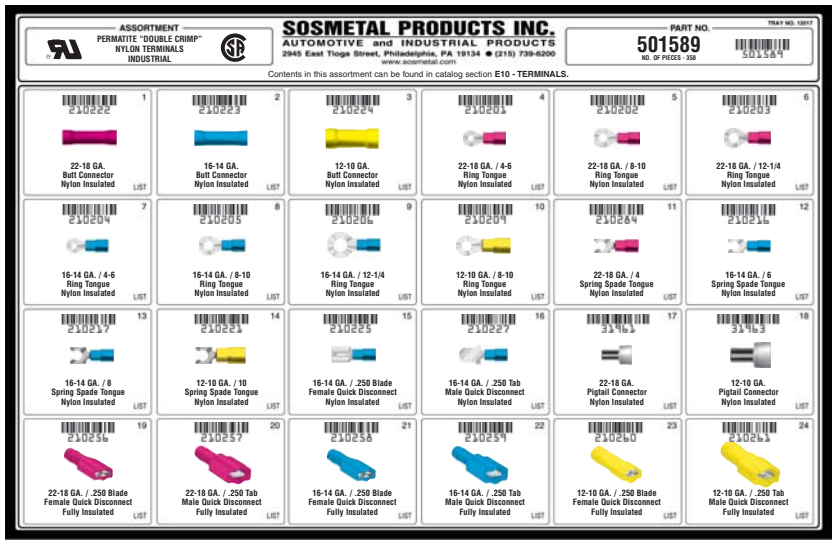
Numbers in assortment



12-10 GA. PERMATITE "DOUBLE CRIMP" NYLON TERMINAL ASSORTMENT
Part No. 501588
210 pieces • 21 items
12017 steel tray

210208	210220	210358	210394
210209	210221	210359	210395
210210	210224	210390	210399
210211	210260	210391	
210212	210261	210392	
210219	210357	210393	

Numbers in assortment



INDUSTRIAL PERMATITE "DOUBLE CRIMP" NYLON TERMINAL ASSORTMENT
Part No. 501589*
350 pieces • 24 items
12017 steel tray

31961	210205	210222	210257
31963	210206	210223	210258
210201	210209	210224	210259
210202	210216	210225	210260
210203	210217	210227	210261
210204	210221	210256	210284

Numbers in assortment

***Complete Assortment Refills** for Top "20" Assortment's are available and are shipped in a Corrugated tray (just add RF to Part No.)

PERMATITE TERMINAL ASSORTMENTS

PERMATITE "DOUBLE-CRIMP" NYLON TERMINALS

MASTER ASSORTMENT
Part No. 501674
630 pieces • 42 items • 12020 steel cabinet

210201	210211	210223	210235	210290
210202	210212	210224	210236	210293
210203	210214	210225	210256	210359
210204	210215	210226	210257	210387
210205	210217	210227	210258	210388
210206	210218	210230	210259	210399
210207	210220	210232	210260	
210209	210221	210233	210261	
210210	210222	210234	210289	

Numbers in assortment



- Exceptionally broad coverage.
- 42 sizes and styles included.
- Convenient 18 drawer, 54 compartment cabinet.



- Expanded shop coverage.
- 32 different sizes and styles of butt connectors, rings, spades, hooks, and disconnects.

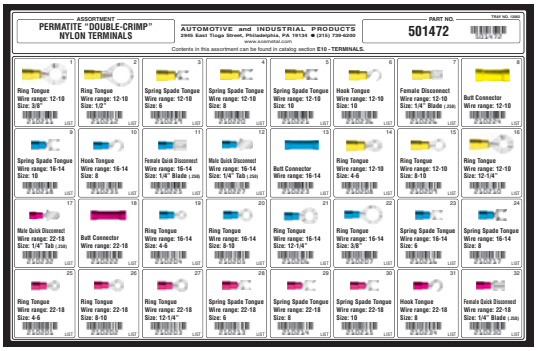
Part No. 501472*
274 pieces • 32 items
12062 steel tray

210201	210209	210217	210225
210202	210210	210218	210226
210203	210211	210219	210227
210204	210212	210220	210230
210205	210213	210221	210232
210206	210214	210222	210234
210207	210215	210223	210235
210208	210216	210224	210236

Numbers in assortment

***Complete Assortment Refills** for Top "20" Assortment's are available and are shipped in a Corrugated tray (just add RF to Part No.)

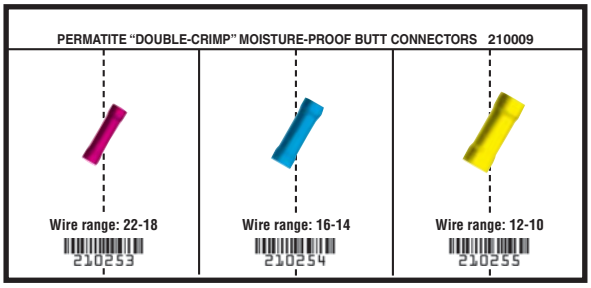




PERMATITE TERMINAL ASSORTMENTS

PERMATITE MOISTURE RESISTANT, SEALANT FILLED, BUTT CONNECTORS

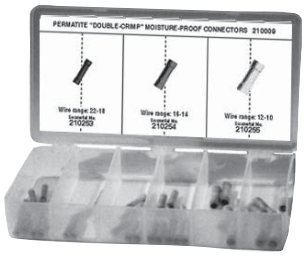
- Butt connectors filled with silicone sealant.
- 22-18, 16-14 and 12-10 wire sizes.
- Packed in a sturdy plastic tray with size selector lid chart.



Part No. 210009
40 pieces • 3 items
12028 plastic tray

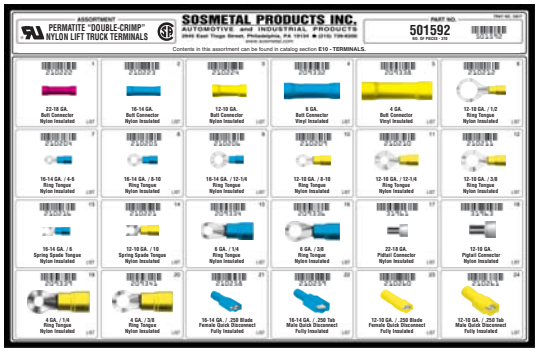
210253	210254	210255

Numbers in assortment



PERMATITE LIFT TRUCK NYLON TERMINALS

- A selection of sizes and styles especially suited for forklift truck repair and maintenance including sizes in 6 and 4 gauge connectors.



Part No. 501592
310 pieces • 24 items
12017 steel tray

31961	209339	210210	210223
31963	209341	210211	210224
209332	210204	210212	210258
209334	210205	210216	210259
209336	210206	210221	210260
209338	210209	210222	210261

Numbers in assortment



LARGE DIAMETER SOLDERLESS TERMINALS

- For 8, 6, and 4 ga. wire.
- Includes Butt Connectors and Ring Tongue Connectors.



Part No. 501469
108 pieces • 18 items
12071 steel tray

209325	209331	209337
209326	209332	209338
209327	209333	209339
209328	209334	209340
209329	209335	209341
209330	209336	209342

Numbers in assortment



PERMATITE "DOUBLE CRIMP" NYLON TERMINALS

PREMIUM QUALITY, NYLON INSULATION WITH INSULATION GRIP

26-20 WIRE RANGE Color Code: YELLOW

22-18 WIRE RANGE Color Code: RED

Part Number	210240	210285	210201	210288	210202	210203	210289	210290	210266
Size	.110 Blade	.110 Blade	4-6	4-6	8-10	12-1/4	5/16	3/8	2-4-6
Type	Female Quick Disconnect	Fully Ins. Female Disconnect	Ring Tongue	Oversized Width Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Multi-Stud Ring Tongue

22-18 WIRE RANGE Color Code: RED

Part Number	210267	210284	210213	210214	210215	210234	210376	210286	210287
Size	6-8-10	4	6	8	10	8	.110 Tab	.187 Blade	.187 Tab
Type	Multi-Stud Ring Tongue	Spring Spade Tongue	Spring Spade Tongue	Spring Spade Tongue	Spring Spade Tongue	Hook Tongue	Male Disconnect	Female Disconnect	Male Disconnect

22-18 WIRE RANGE Color Code: RED

210494 Set

210297 Set

Part Number	210377	210378	210230	210232	210256	210257	210293	210294
Size	.187 Blade	.187 Tab	.250 Blade	.250 Tab	.250 Blade	.250 Tab	.250 Blade	.250
Type	Fully Ins. Female Disconnect	Fully Ins. Male Disconnect	Female Quick Disconnect	Male Quick Disconnect	Fully Ins. Female Quick Disconnect	Fully Ins. Male Quick Disconnect	Piggyback Disconnect	Female 90° Flag Disconnect

22-18 WIRE RANGE Color Code: RED

Part Number	210368	210241	210242	210243	210244	210222	210253
Size		.156	.156	.180	.180		
Type	Pin Connector	Female Bullet Receptacle	Male Bullet	Female Bullet Receptacle	Male Bullet	Butt Connector	Silicone Filled Moisture Resistant Butt Connector

PERMATITE "DOUBLE-CRIMP" NYLON TERMINALS

PREMIUM QUALITY, NYLON INSULATION WITH INSULATION GRIP

16-14 WIRE RANGE
Color Code: **BLUE**



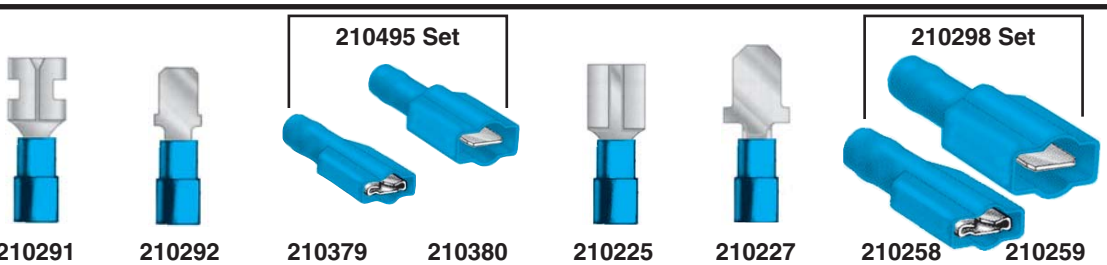
Part Number	210204	210386	210205	210206	210387	210207	210268	210269
Size	4-6	4-6	8-10	12-1/4	5/16	3/8	2-4-6	6-8-10
Type	Ring Tongue	Oversized Width Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Multi-Stud Ring Tongue	Multi-Stud Ring Tongue

16-14 WIRE RANGE
Color Code: **BLUE**



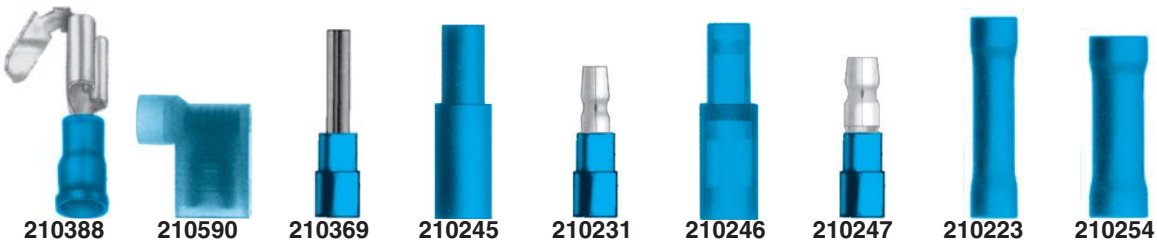
Part Number	210381	210216	210217	210218	210385	210235	210367
Size	4	6	8	10	1/4	8	.110 Blade
Type	Spring Spade Tongue	Spring Spade Tongue	Spring Spade Tongue	Spring Spade Tongue	Spring Spade Tongue	Hook Tongue	Female Disconnect

16-14 WIRE RANGE
Color Code: **BLUE**



Part Number	210291	210292	210379	210380	210225	210227	210258	210259
Size	.187 Blade	.187 Tab	.187 Blade	.187 Tab	.250 Blade	.250 Tab	.250 Blade	.250 Tab
Type	Female Disconnect	Male Disconnect	Fully Ins. Female Disconnect	Fully Ins. Male Disconnect	Female Quick Disconnect	Male Quick Disconnect	Fully Ins. Female Quick Disconnect	Fully Ins. Male Quick Disconnect

16-14 WIRE RANGE
Color Code: **BLUE**



Part Number	210388	210590	210369	210245	210231	210246	210247	210223	210254
Size	.250 Blade	.250		.156	.156	.180	.180		
Type	Piggyback Disconnect	Female 90° Flag Disconnect	Pin Connector	Female Bullet Receptacle	Male Bullet	Female Bullet Receptacle	Male Bullet	Butt Connector	Moisture Resist. Silicone Filled Butt Connector

PERMATITE "DOUBLE CRIMP" NYLON TERMINALS

PREMIUM QUALITY, NYLON INSULATION WITH INSULATION GRIP

12-10 WIRE RANGE
Color Code: YELLOW



Part Number	210208	210357	210209	210210	210358	210359	210211	210212
Size	4-6	4-6	8-10	12-1/4	1/4	5/16	3/8	1/2
Type	Ring Tongue	Oversized Width Ring Tongue	Ring Tongue	Ring Tongue	Oversized Width Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue

12-10 WIRE RANGE
Color Code: YELLOW



Part Number	210390	210391	210392	210393	210394	210395	210270	210219
Size	8	10	1/4	3/8	7/16	1/2	6-8-10	6
Type	Heavy Duty Ring Tongue	Heavy Duty Ring Tongue	Heavy Duty Ring Tongue	Heavy Duty Ring Tongue	Heavy Duty Ring Tongue	Heavy Duty Ring Tongue	Multi-Stud Ring Tongue	Spring Spade Tongue

12-10 WIRE RANGE
Color Code: YELLOW



Part Number	210220	210221	210399	210236	210226	210233	210260	210261
Size	8	10	1/4	10	.250 Blade	.250 Tab	.250 Blade	.250 Tab
Type	Spring Spade Tongue	Spring Spade Tongue	Spring Spade Tongue	Hook Tongue	Female Disconnect	Male Disconnect	Fully Ins. Female Quick Disconnect	Fully Ins. Male Quick Disconnect

12-10 WIRE RANGE
Color Code: YELLOW



Part Number	210370	210248	210224	210255
Size		.156		
Type	Pin Connector	Male Bullet	Butt Connector	Silicone Filled Moisture Resistant Butt Connector

LARGE DIAMETER NYLON SOLDERLESS TERMINALS

SOLDERLESS TERMINALS - FLARED NYLON INSULATION *

8 GA. WIRE RANGE
Color Code: **RED**
.050 stock



Part Number	209326	209327	209328	209329	209330	209331	209325
Size	10	1/4	5/16	3/8	7/16	1/2	
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Butt Connector

6 GA. WIRE RANGE
Color Code: **BLUE**
.050 stock



Part Number	209333	209334	209335	209336	209337	209332
Size	10	1/4	5/16	3/8	1/2	
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Butt Connector

4 GA. WIRE RANGE
Color Code: **YELLOW**
.075 stock



Part Number	209339	209340	209341	209342	209338
Size	1/4	5/16	3/8	1/2	
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Butt Connector

*Butt connectors flared vinyl insulation.

NOTE: THESE CONNECTORS ARE NOT PART OF THE PERMATITE DOUBLE CRIMP LINE.

SOLDER 'N SEAL TERMINALS

SOLDER 'N SEAL TERMINALS

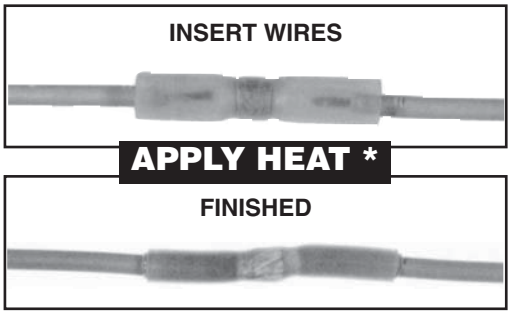
24 to 10 AWG Wire sizes

Revolutionary connector that creates a moistureproof, sealed solder connection.

Pull-out strength comparison:
Standard nylon butt connector .....40 lbs.
Heat shrinkable tubing w/o adhesive .....65 lbs.
Heat shrinkable tubing w/ adhesive .....110 lbs.
Solder 'n Seal connector.....150 lbs.

UL RECOGNIZED PARTS
Butt Connectors .....File# E121594 (R)
Ring and Spades .....File# E141071 (R)

CSA CERTIFIED PARTS
Butt Connectors
Rings and Spades.....File# 100774



Unlike standard crimp connectors, Solder 'n Seal connectors eliminate failure due to corrosion, vibration, mis-connection (over or under crimping) and wire pull-out.

SOLDER N' SEAL INSTRUCTIONS

1. Strip wire 3/8"
2. Place connector on wire
3. Intermingle wires if using butt connector
4. Place connector with solder over wire(s)
5. Heat tubing until solder flows into wire(s)

Each Solder 'N Seal terminal contains a pre-measured amount of solder.

GM no longer recommends crimped connections when performing repairs to computer, sensor or related harness wires or pigtail replacements. Due to very low currents, it is important to solder all wire splice joints to ensure good electrical conductivity, and to properly seal the repair to prevent moisture or corrosion from future occurrence.

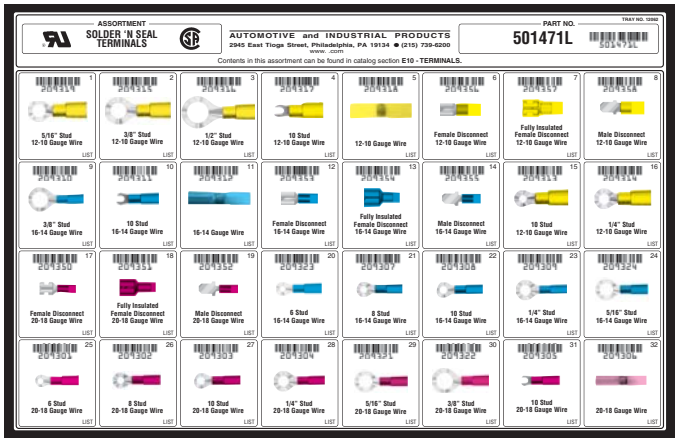
*** Heating with an open flame may result in unsatisfactory connections.**
Use of a heat gun is strongly recommended. See page D11-14 for #814127 Hot Air Gun.

SOLDER 'N SEAL TERMINAL ASSORTMENT w/o Heat Gun
Part No. 501471
160 pieces • 32 items • 12062 steel tray
Part No. 501471L
320 pieces • 32 items • 12062 steel tray

209301	209308	209315	209323	209355
209302	209309	209316	209324	209356
209303	209310	209317	209350	
209304	209311	209318	209351	
209305	209312	209319	209352	
209306	209313	209321	209353	
209307	209314	209322	209354	

Numbers in assortment

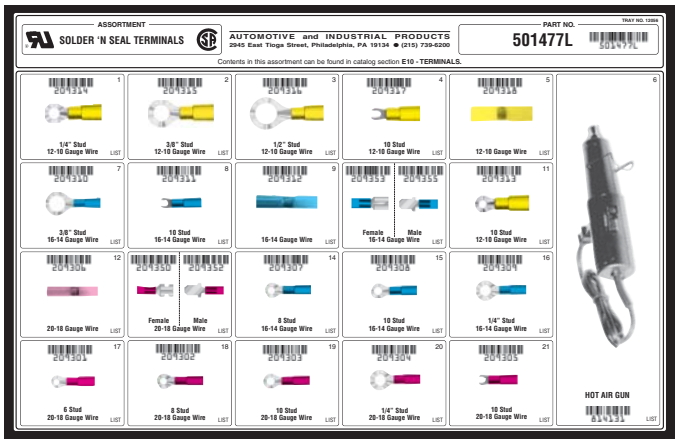
- Contains connectors, ring and spade tongues, and quick disconnect terminals in 20-10 AWG sizes.
- Steel tray fits our slide rack system.



SOLDER 'N SEAL TERMINAL ASSORTMENT w/Mini Heat Gun
Part No. 501477
116 pieces • 23 items • 12056 steel tray
Part No. 501477L
232 pieces • 23 items • 12056 steel tray

209301	209306	209311	209316	209353
209302	209307	209312	209317	209355
209303	209308	209313	209318	814131
209304	209309	209314	209350	
209305	209310	209315	209352	

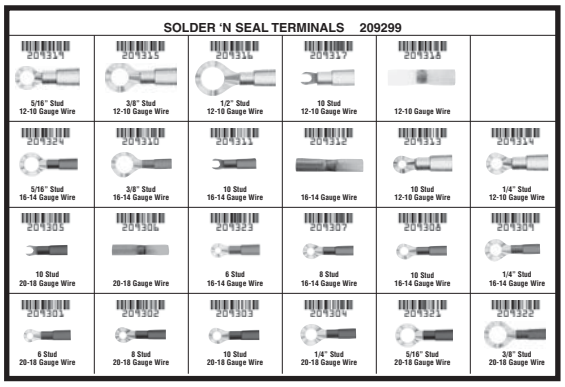
Numbers in assortment



SOLDER 'N SEAL ASSORTMENTS / TERMINALS

SOLDER 'N SEAL TERMINALS 20-10 AWG

- Contains connectors, ring and spade tongue terminals in all three wire ranges.





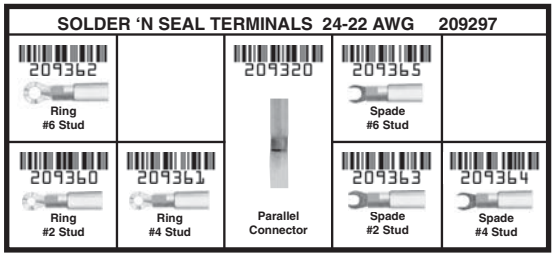
Part No. 209299
115 pieces • 23 items
12045 plastic tray

209301	209309	209317
209302	209310	209318
209303	209311	209319
209304	209312	209321
209305	209313	209322
209306	209314	209323
209307	209315	209324
209308	209316	

Numbers in assortment

SOLDER 'N SEAL TERMINALS 24-22 AWG

- For electronic, computer, and other small wire applications.
- Contains connectors, ring and spade tongue terminals.



Part No. 209297
58 pieces • 7 items
12031 plastic tray

209320	209361	209363	209365
209360	209362	209364	

Numbers in assortment

SOLDER 'N SEAL PARALLEL CONNECTORS

- Contains four sizes of parallel connectors, 24-22, 20-18, 16-14 and 12-10 ga.



Part No. 209300
42 pieces
4 items
12028 plastic tray

209306	209318
209312	209320

Numbers in assortment

SOLDER 'N SEAL QUICK DISCONNECTS

- Contains male, female and fully insulated female disconnects in 20-18, 16-14 and 12-10 wire gauges.

Part No. 209298
60 pieces • 9 items
12028 plastic tray

209350	209355
209351	209356
209352	209357
209353	209358
209354	

Numbers in assortment



SOLDER 'N SEAL TERMINALS

24-22 WIRE RANGE
Color Code: CLEAR



Part Number	209360	209361	209362	209363	209364	209365	209320
Size	2	4	6	2	4	6	
Type	Ring Tongue	Ring Tongue	Ring Tongue	Spade Tongue	Spade Tongue	Spade Tongue	Parallel Connector

SOLDER 'N SEAL TERMINALS

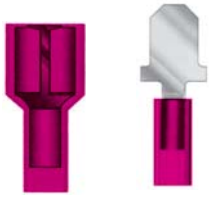
SOLDER 'N SEAL TERMINALS

20-18 WIRE RANGE
Color Code: **RED**



Part Number	209301	209302	209303	209304	209321	209322	209305	209306	209350
Size	6	8	10	1/4	5/16	3/8	10		.250 Blade
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Spade Tongue	Parallel Connector	Female Disconnect

20-18 WIRE RANGE
Color Code: **RED**



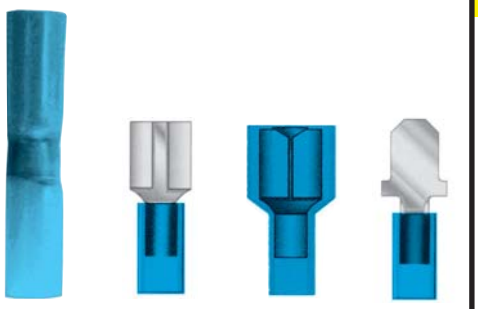
Part Number	209351	209352
Size	.250 Blade	.250 Tab
Type	Fully Insulated Female Disconnect	Male Disconnect

16-14 WIRE RANGE Color Code: BLUE



Part Number	209323	209307	209308	209309	209324	209310	209311
Size	6	8	10	1/4	5/16	3/8	10
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Spade Tongue

16-14 WIRE RANGE
Color Code: **BLUE**



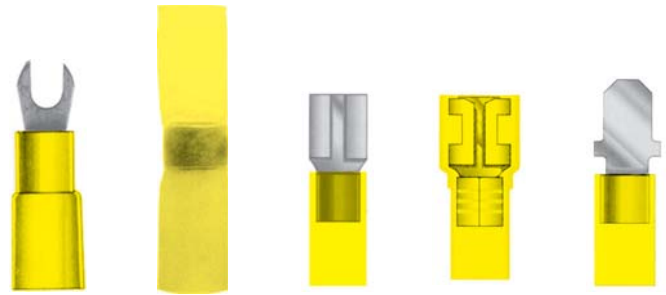
Part Number	209312	209353	209354	209355
Size		.250 Blade	.250 Blade	.250 Tab
Type	Parallel Connector	Female Disconnect	Fully Ins. Female	Male Disconnect

12-10 WIRE RANGE
Color Code: **YELLOW**



Part Number	209313	209314	209319	209315	209316
Size	10	1/4	5/16	3/8	1/2
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue

12-10 WIRE RANGE
Color Code: **YELLOW**



Part Number	209317	209318	209356	209357	209358
Size	10		.250 Blade	.250 Blade	.250 Tab
Type	Spade Tongue	Parallel Connector	Female Disconnect	Fully Insulated Female Disconnect	Male Disconnect

MULTILINK TERMINALS

THE COMPONENTS

The Crimp Connector:



- Zippered brazed seam for superior crimp performance.
- Window for visual inspection.
- Wire stop to prevent over-insertion.
- Serrated inner barrel for extra crimp strength.

The Solder:



- Flux coating to clean metal surfaces.
- Pre-measured solder to deliver the right amount.
- Low-temp solder alloy for ease of installation.

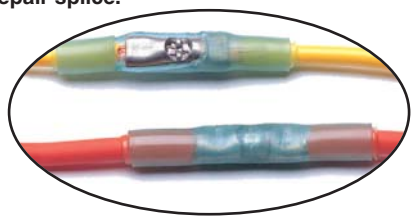
The Heat Shrink Tubing:



- Adhesive-lined polyolefin to seal the connection.
- Color-coded with wire gauge imprint for easy size identification.
- Translucent tubing to allow for visual inspection.

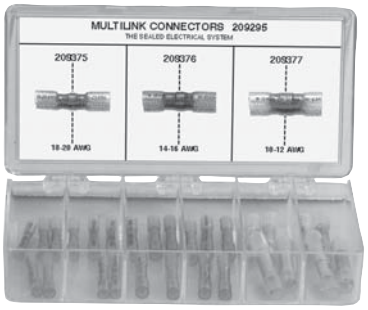
THE ULTIMATE CONNECTION

Since 1994, General Motors has mandated all electrical connection repairs be crimped, soldered and properly sealed against moisture and corrosion. In 1997, Freightliner Trucks issued a similar requirement. Only MultiLink satisfies this OE requirement in a convenient one-piece repair splice.



FEATURES / BENEFITS of Using MultiLink

- **High quality, brazed seam crimp connector:** Provides a secure mechanical connection.
- **Pre-fluxed, low temperature solder:** Delivers superior current flow and tensile strength.
- **Translucent, adhesive-lined heat shrink tubing:** Allows for visual inspection and provides a seal against corrosion.
- **Crimped, soldered, and sealed connection:** Meets or exceeds the most stringent OEM standards.



Part No. 209295
28 pieces • 3 items
12032 plastic tray







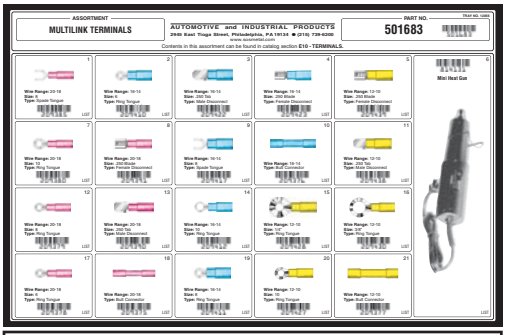
PART NUMBER	WIRE SIZE	COLOR	QTY
209375	20-18	Red	25
209376	16-14	Blue	25
209377	12-10	Yellow	25

Easy to install



MULTILINK TERMINAL SHOP ASSORTMENTS

● Includes ring, spade, butt and quick disconnects in wire sizes 20 through 10 AWG ●
● Available in both steel and plastic trays ● Assortment #501683 includes #814131 heat gun ●



***Complete Assortment Refills** for Top "20" Assortment's are available and are shipped in a Corrugated tray (just add RF to Part No.)

Part No. 501683*
155 pieces • 21 items
12056 steel tray
(w/mini heat gun)

209375	209390	209423
209376	209391	209427
209377	209410	209428
209378	209411	209430
209379	209412	209438
209380	209417	209439
209385	209422	814131

Numbers in assortment

Part No. 501684
192 pieces • 32 items
12062 steel tray
(w/o heat gun)

209375	209385	209415	209428
209376	209390	209416	209430
209377	209391	209417	209431
209378	209392	209422	209433
209379	209410	209423	209434
209380	209411	209424	209438
209381	209412	209426	209439
209384	209413	209427	209440

Numbers in assortment

MULTILINK TERMINALS

MULTILINK TERMINAL ASSORTMENT

● Includes ring, spade, butt and quick disconnects in wire sizes 20 through 10 AWG ●

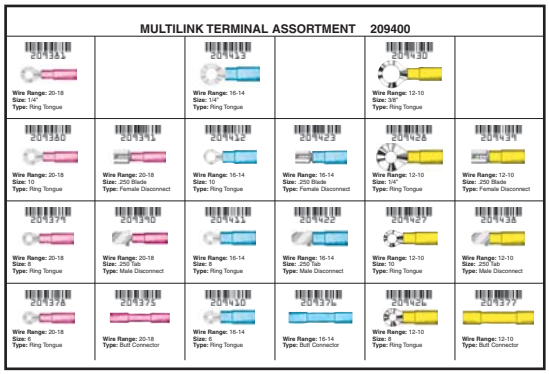
Part No. 209400
136 pieces • 21 items
12045 plastic tray

209375	209390	209423
209376	209391	209426
209377	209410	209427
209378	209411	209428
209379	209412	209430
209380	209413	209438
209381	209422	209439

Numbers in assortment

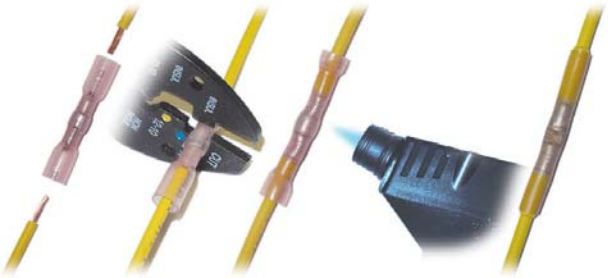
Mechanics Assortment





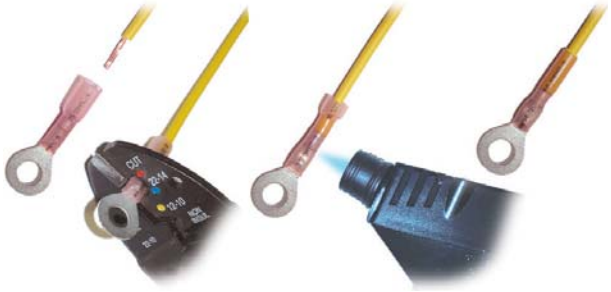
BUTT CONNECTOR INSTALLATION

1. Strip the wire 3/8".
2. Select a connector that matches the wire gauge and insert the wire into the connector barrel.
3. Make sure the wire is properly seated and crimp the connector using an **insulated** connector crimping tool nest that matches the color gauge of the connector. **Do not crimp the solder sleeve.**
4. Repeat steps 1 thru 3 for the other side.
5. Apply heat evenly around the length of the tubing (including the crimp area) from the center out to the ends until the tubing fully recovers and the adhesive flows.
6. Continue distributing the heat over the entire connector barrel until the solder flows into the opening.
7. Remove from the heat and let cool for the ULTIMATE connection.



RING, SPADE, SLIP-ON TERMINAL INSTALLATION

1. Strip the wire 1/2".
2. Select a connector that matches the wire gauge and insert the wire into the connector barrel.
3. Make sure the wire is properly seated and crimp the terminal barrel (the 1/4" of the barrel closet to the terminal end) using an **insulated** connector crimping tool nest that matches the color gauge of the connector.
4. Apply heat evenly around the length of the tubing (including the crimp area) until the tubing fully recovers and the adhesive flows.
5. Continue distributing the heat over the solder sleeve until the solder flows into the terminal barrel.
6. Remove from the heat and let cool for the ULTIMATE connection.



MULTILINK TERMINALS

20-18 WIRE RANGE
Color Code: RED



Part Number	209378	209379	209380	209381	209382	209383	209384	209385
Size	6	8	10	1/4	5/16	3/8	6	8
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Spade Tongue	Spade Tongue

MULTILINK TERMINALS

MULTILINK TERMINALS

20-18 WIRE RANGE
Color Code: **RED**







Part Number	209386	209390	209391	209392	209375
Size	10	.250 Tab	.250 Blade	.250 Blade	
Type	Spade Tongue	Male Disconnect	Female Disconnect	Fully Ins. Female Disconnect	Butt Connector

16-14 WIRE RANGE
Color Code: **BLUE**





Part Number	209410	209411	209412
Size	6	8	10
Type	Ring Tongue	Ring Tongue	Ring Tongue

16-14 WIRE RANGE
Color Code: **BLUE**





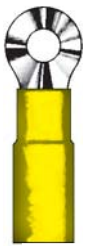





Part Number	209413	209414	209415	209416	209417	209418	209422	209423
Size	1/4	5/16	3/8	6	8	10	.250 Tab	.250 Blade
Type	Ring Tongue	Ring Tongue	Ring Tongue	Spade Tongue	Spade Tongue	Spade Tongue	Male Disconnect	Female Disconnect

16-14 WIRE RANGE
Color Code: **BLUE**









Part Number	209424	209376	209426	209427	209428	209429	209430
Size	.250 Blade		8	10	1/4	5/16	3/8
Type	Fully Ins. Female Disconnect	Butt Connector	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue

12-10 WIRE RANGE
Color Code: **YELLOW**









Part Number	209431	209433	209434	209438	209439	209440	209377
Size	1/2	8	10	.250 Tab	.250 Blade	.250 Blade	
Type	Ring Tongue	Spade Tongue	Spade Tongue	Male Disconnect	Female Disconnect	Fully Ins. Female Disconnect	Butt Connector

STEP-DOWN BUTT CONNECTORS

FOR CONNECTING A LARGER WIRE TO A SMALLER WIRE



Has two stripes - one on each end -
to indicate which wire size to insert, and which crimp die to use

AVAILABLE IN THE FOLLOWING STYLES:



Uninsulated



Shrink N' Seal
SEALED CRIMP CONNECTOR



Multilink
SEALED CRIMP & SOLDER CONNECTOR

WHY IS OURS SO MUCH BETTER?

THEIRS: → **OURS!**



The outside diameter of the butt connector is the same on both ends and only the inside diameter is adjusted for the different wire gauge. This means that the side for the smaller wire has a much thicker wall than normal and is extremely difficult to crimp.

POTENTIAL FOR WIRE PULL-OUT!



We vary the inside AND the outside diameter of the connector which means that both sides will make a positive crimp.

STRONG MECHANICAL TERMINATION!

THEIRS: → **OURS!**



Has a color stripe to indicate where the smaller size of wire is inserted. However, it must be crimped in the larger crimp die. For example, on their connector for 14-16 to 10-12 AWG, the BLUE stripe indicates the side where a 14-16 AWG wire is to be inserted. However, it must be crimped in the YELLOW crimp die.

CONFUSING!



Has two stripes - one on each end - to indicate which wire size to insert. Plus, the stripe matches the crimp die that needs to be used. For example, the blue stripe indicates the side where a 14 or 16 AWG wire is to be inserted, and it will be crimped in the blue crimp die.

MAKES SENSE!

See back for part number & ordering info

Sealed Electrical System • *It's a Question of Integrity®*

MULTILINK TERMINALS

MultiLink STEP-DOWN CONNECTORS

Sealed Crimp & Solder Connectors

Sealed Electrical System • *It's a Question of Integrity®*







NUMBER	QTY	Heat Shrink Tubing Color	Side #1 Color Stripe	Wire	Crimp Die (Insulated)	Side #2 Color Stripe	Wires	Crimp Die (Insulated)
209460	25	Red	White	24-22 AWG	White (24-22 AWG)	Red	20-18 AWG	Red (20-18 AWG)
209461	25	Blue	Red	20-18 AWG	Red (20-18 AWG)	Blue	16-14 AWG	Blue (16-14 AWG)
209462	25	Yellow	Blue	16-14 AWG	Blue (16-14 AWG)	Yellow	12-10 AWG	Yellow (12-10 AWG)

Uninsulated STEP-DOWN CONNECTORS

Unsealed - No Heat Shrink Tubing









NUMBER	QTY	Side #1 Color Stripe	Wire	Crimp Die (Insulated)	Side #2 Color Stripe	Wires	Crimp Die (Insulated)
209450	50	White	24-22 AWG	White (24-22 AWG)	Red	20-18 AWG	Red (20-18 AWG)
209451	50	Red	20-18 AWG	Red (20-18 AWG)	Blue	16-14 AWG	Blue (16-14 AWG)
209452	50	Blue	16-14 AWG	Blue (16-14 AWG)	Yellow	12-10 AWG	Yellow (12-10 AWG)
209453	50	Yellow	12-10 AWG	Yellow (12-10 AWG)	Red	8 AWG	Red (8 AWG)

Shrink N' Seal STEP-DOWN CONNECTORS

Sealed Crimp Connectors

Sealed Electrical System • *It's a Question of Integrity®*









NUMBER	QTY	Heat Shrink Tubing Color	Side #1 Color Stripe	Wire	Crimp Die (Insulated)	Side #2 Color Stripe	Wires	Crimp Die (Insulated)
210538	25	Red	White	24-22 AWG	White (24-22 AWG)	Red	20-18 AWG	Red (20-18 AWG)
210539	25	Blue	Red	20-18 AWG	Red (20-18 AWG)	Blue	16-14 AWG	Blue (16-14 AWG)
210540	25	Yellow	Blue	16-14 AWG	Blue (16-14 AWG)	Yellow	12-10 AWG	Yellow (12-10 AWG)
210541	25	Pink	Yellow	12-10 AWG	Yellow (12-10 AWG)	Red	8 AWG	Red (8 AWG)

Sealed Electrical System

It's a Question of Integrity

Want to **CRIMP** it, **SOLDER** it, **SEAL** it? We've **GOT** it!

Shrink 'N Seal
Sealed for Quality





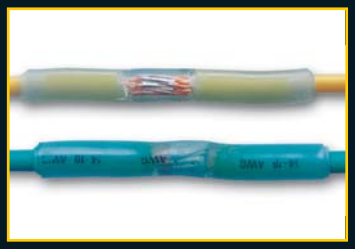


Crimped
- Mechanically Sound
- Seamless Butt Connectors
- Brazed Seam–Rings and Spades

Sealed
- Durable Insulation
- Watertight Connection
- Color-Coded with Wire Gauge Imprint

Solder 'N Seal
Sealed for Superiority







Soldered
- Superior Strength
- Better Conductivity

Sealed
- Durable Insulation
- Watertight Connection
- Transparent Tubing for Visual Inspection

MultiLink
Sealed for Reliability





The Ultimate Connection



Crimped
- Mechanical Reliability
- Easy Installation

Soldered
- Additional Strength
- Better Conductivity

Sealed
- Durable Insulation
- Watertight Connection

MULTILINK TERMINALS

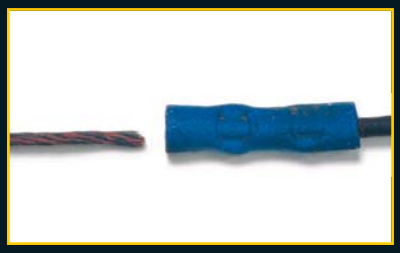
Why Use Heat Shrink Terminals?

Corrosion



When using a standard crimp terminal, the wire is exposed to moisture and other contaminants. Over time, the wire starts to **corrode** which reduces the current carrying capacity of the electrical system.

Pull-Out



In most cases, electrical connectors must operate in adverse conditions: heat, cold, vibration, strain, etc. These conditions can cause the wire or wires to **pull-out** of the connector.

Technology



Advanced **technology** and computerization have resulted in OEMs designing sealed and molded components in all types of equipment.
Most OEMs now require sealed connections for repair and warranty work. The integrity of the electrical system is breached when repairs are made with inferior, unsealed electrical connections.

Downtime



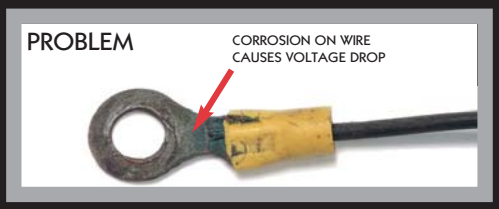
Lighting and electrical problems are the most frequent causes of **downtime** when maintaining a fleet. Usually these problems stem from faulty electrical connections. Equipment downtime often results in hundreds to thousands of dollars in lost opportunities and repair costs.

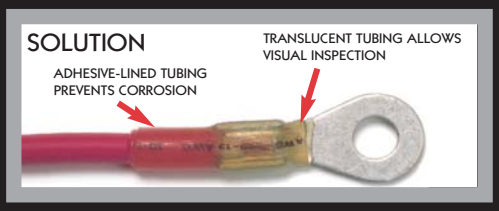
Sealed Electrical System

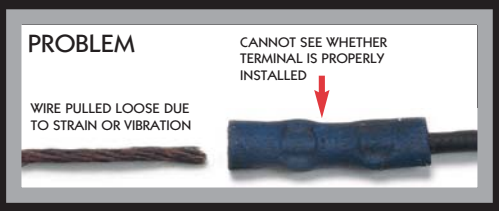
It's a Question of Integrity

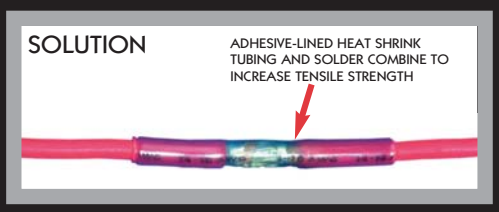
The past few years have seen the advent of sweeping technological advances in the automotive, fleet, and marine industries. Many of these advances involve improved electrical systems, controlled by miniature onboard computers. Consequently, small variations in voltage can significantly affect vehicle performance.

The heat shrink connector is the innovative solution that allows the aftermarket to keep pace with changing technology. Each repair made with a heat shrink connector is individually protected from corrosion, contaminants, and current leakage. This insures that the original integrity of the wiring harness is maintained.









Shrink 'N Seal®

SEALED FOR QUALITY

AVAILABLE STYLES

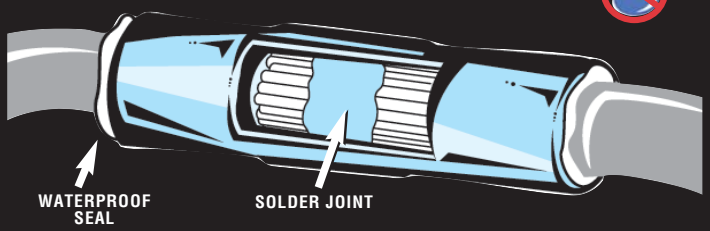
Rings
Quick Slides
Spades
Couplers
Butt Connectors
Bullet Plugs

Crimp Terminals with Adhesive-Lined Heat Shrink Tubing



Solder 'N Seal®

SEALED FOR SUPERIORITY



AVAILABLE STYLES

Rings
Spades
Quick Slides
Butt Connectors
Fully Insulated
Females

Solder Terminals with Adhesive-Lined Heat Shrink Tubing



MULTILINK TERMINALS

Wire Terminal Selection Guide

When selecting the appropriate wire connector:
- Match wire gauge to connector gauge
- Know the environment in which the connector will operate
- Use the appropriate installation tools

The majority of electrical failures result from:
- Corrosion build-up on the wire and/or connector
- Wires pulling loose from connectors due to strain or vibration
- Improper installation of connectors

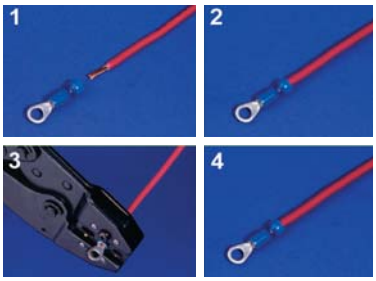
AVERAGE

VINYL CONNECTORS

Crimp Terminals with PVC Insulation



- Least expensive



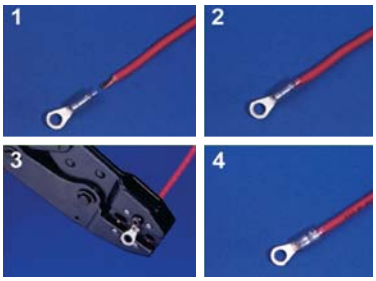
GOOD

PERMATITE® NYLON CONNECTORS

Crimp Terminals with Nylon Insulation



- Additional brass support sleeve
- More durable than vinyl



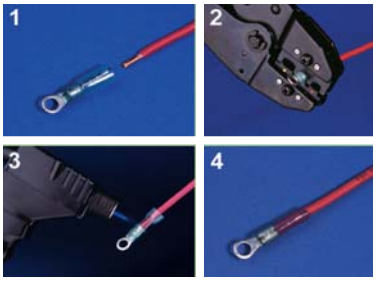
BETTER

SHRINK 'N SEAL®

Crimp Terminals with Adhesive-Lined Heat Shrink Tubing



- Waterproof
- Protects against corrosion
- Tough, durable insulation
- Resists vibration damage
- Greater pull-out strength than nylon or vinyl



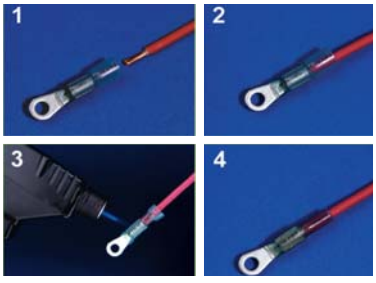
BEST

SOLDER 'N SEAL®

Solder Terminals with Adhesive-Lined Heat Shrink Tubing



- NO CRIMPING
- Maximum current flow
- Allows visual inspection
- Waterproof
- Protects against corrosion
- Tough, durable insulation
- Wires WILL NOT pull loose



MISCELLANEOUS ELECTRICAL ITEMS

QUICK CHANGE RATCHETING TERMINAL CRIMPING KIT

- Versatile kit includes 7 dies for virtually all uses.
- Die sets quickly interchange for a wide range of applications.
- Crimping tool has a steel frame with contoured grips.
- Supplied in a double, plastic molded storage case with carrying handles.

INCLUDES 7 DIE SETS!



Application:

- For insulated terminals 22-10 AWG.
- For non insulated open barrel connectors 22-10 AWG including Weatherpack terminals.
- For fully insulated quick disconnect terminals with thinner wire barrels 22-10 AWG.
- For non insulated terminals 22-8 AWG.
- For miniature insulated rings, spade and butt splices 26-16 AWG.
- For RG-6 and RG-59 coaxial cable.
- For 8mm and 8.5mm spiral core spark plug wire. Strips the insulation, crimps the spiral core to the spark plug terminal and crimps the terminal to the spark plug wire insulation.

Part No. 213386

PROFESSIONAL RATCHET CRIMPING TOOL

For Heat Shrink Terminals



- Mating mechanism prevents slipping or mis-alignment.
- Long handles make it easier to crimp, requiring less force.
- Easy to use & understand release mechanism.
- Ergonomic design to initiate the crimp process.

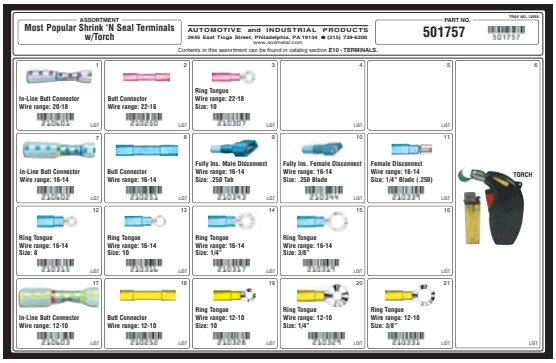


4 CRIMP NESTS

- 8 AWG, Red
- 12-10 AWG, Yellow
- 16-14 AWG, Blue
- 22-18 AWG, Red

Part No. 213550

MOST POPULAR SHRINK 'N SEAL ASSORTMENT

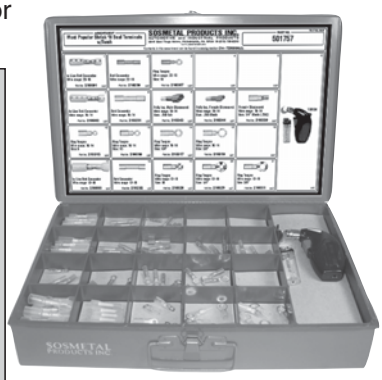


With mini torch that includes heat reflector especially designed for heat shrink terminals.

Part No. 501757
103 pieces • 18 items
1 Mini Mini Torch
12056 steel tray

210250	210317	210343
210251	210319	210344
210252	210328	210601
210307	210329	210602
210315	210331	210603
210316	210339	

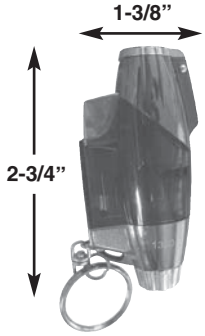
Numbers in assortment



- Includes our most popular Ring, Butt and Quick Disconnects.
- Packed in a sturdy metal tray with size selector lid chart.
- Special compartment holds Mini Torch with heat reflector (412228).

MICRO TORCH

- Hand held compact size.
- Easily fits in a pocket or on a keychain.
- Non stop burn time - 30 minutes.
- Flame temp.: 1300° - 2400°C.
- Requires butane fuel (Not included).



Part No. 412229

BUTANE FUEL - Sold Separately, Part No. 412230
(Size: 15/16 fl. oz. (26.5 g)

MINI TORCH

Use for: General heating and drying, activating adhesive, bending and forming plastics, preheating flux, heat shrink applications, stretching vinyl and repairing, thawing frozen locks.



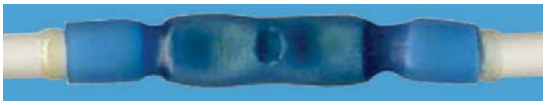
- Includes heat reflector especially designed for heat shrink terminals.
- Flameless heat.
- Temperatures up to 650°C (1300°F)

Part No. 412228

HEAT SHRINK CONNECTORS & TUBING

E-Z VIEW COLOR-CODED WINDOW BUTT CONNECTORS

YOUR PROBLEM



Standard connectors do not allow the installer to see the wire which can result in the following problems:

- Wire stripped too short, which can result in crimping the end of the wire.
- Wire is not fully seated to connector, which can result in a poor termination.

OUR SOLUTION



E-Z View Color-Coded Window Butt Connectors:

- Ensures the wire is crimped to connector
- Ensures the center of crimp barrel is properly crimped
- E-Z View waterproof insulation allows for indisputable inspection of the wire's inpspection

- Color-coded stripes identify wire gauge size to be used with connector.
- Color-coded stripes also indicate/guide the installer to the proper crimp position on the center.



- Wire-stop in butt connectors prevents over-insertion of wire.
- Window in center of connector assures that wire is seated properly and that the wire is being crimped to the connector.

PART NUMBER	QTY	COLOR-CODED STRIPES	WIRE GAUGE
210160	100	Red	22-18
210161	100	Blue	16-14
210162	100	Yellow	12-10



Assortments Available

Part No. 501768
78 pieces • 6 items
12051 steel tray

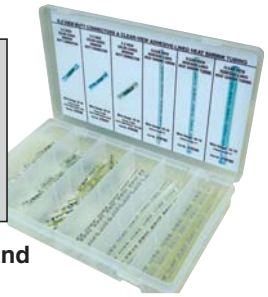
210160	210162	210164
210161	210163	210165

Numbers in assortment

Part No. 201169
54 pieces • 6 items
12047 plastic tray

210160	210162	210164
210161	210163	210165

Numbers in assortment



Both assortments contain E-Z VIEW Butt Connectors and CLEAR-VIEW Heat Shrink Tubing

CLEAR-VIEW ADHESIVE-LINED HEAT SHRINK TUBING

The Competitor's Clear Heat Shrink Tubing



Vs.

Our *CLEAR-VIEW* Heat Shrink Tubing



What's special about this heat shrink tubing?

- **Constructed of a cross-linked ionic polymer material for superior strength.**
- **Lightweight material is easy to work with and can be cut using simple shears or scissors.**
- **Wire AWG is printed on the side for easy size ID.**
- **Lined with a hot-melt adhesive to provide a completely waterproof seal**
- **Exceeds 2.5-to-1 shrink ratio, to contain connectors up to 2 and a half times larger than your cable**



Absolutely clear tubing provides ultimate clarity for visual inspection at any time.

Specifications:

Material: Cross-linked ionic polymer
Shrink Ratio: Exceeds 2.5 to 1
Shrink/Recoveray Temperature: 90°C (194°F)
Continuous Operating Temp: -55°C to 125°C (-67°F to 257°F)
Flammability: Passed (FMVSS 302 test)
Tensile Strength: 4,000 psi
Longitudinal Change: + 1/-10% Max
Dielectric Strength: 750 V/Mil (30KV/MM)

PART NUMBER	QTY	WIRE GAUGE	TUBING COLOR	LENGTH	MINIMUM EXPANDED I.D.	MAXIMUM RECOVERED I.D.
210163	10	22-18	Clear	6"	0.176"	0.045"
210164	10	16-14	Clear	6"	0.250"	0.080"
210165	10	12-10	Clear	6"	0.365"	0.100"

HEAT SHRINK CONNECTORS

E-Z VIEW COLOR-CODED CONNECTORS

Provides optimal visual assurance that the terminal is installed properly.

- Offers visual inpection of the wire condition over the life of the terminal.
- Color-coded stripes identify the wire gauge size to be used and where to position crimp for proper installation.
- Includes Butt, Spade and Step-Down Butt Connectors, Ring Terminals & Quick Disconnects.



Part No. 501822
220 pieces • 22 items
12017 steel tray

209465	209473	210160
209466	209474	210161
209467	209480	210162
209468	209481	210166
209469	209482	210167
209470	209483	210168
209471	209484	
209472	209485	

Numbers in assortment

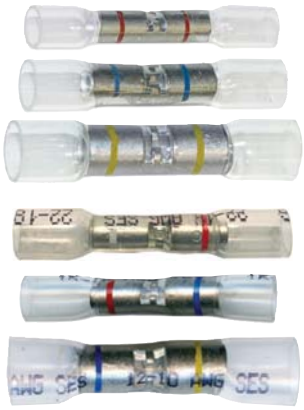


BUTT CONNECTORS

PART #	QTY.	WIRE GAUGE	COLOR STRIPE	DESCRIPTION	SEAM
210160	100	22-18 AWG	Red	Butt Connector	Seamless
210161	100	16-14 AWG	Blue	Butt Connector	Seamless
210162	100	12-10 AWG	Yellow	Butt Connector	Seamless

STEP-DOWN BUTT CONNECTORS

PART #	QTY.	WIRE GAUGE	COLOR STRIPE	DESCRIPTION	SEAM
210166	25	24-22 AWG to 22-18 AWG	White / Red	Step-Down Butt	Seamless
210167	25	22-18 AWG to 16-14 AWG	Red / Blue	Step-Down Butt	Seamless
210168	25	16-14 AWG to 12-10 AWG	Blue / Yellow	Step-Down Butt	Seamless
210169	25	12-10 AWG to 8 AWG	Yellow / Red	Step-Down Butt	Seamless



RING TERMINALS

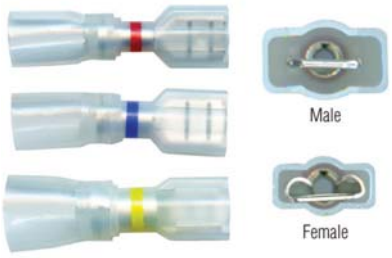
PART #	QTY.	WIRE GAUGE	COLOR STRIPE	STUD	DESCRIPTION	SEAM
209463	25	22-18 AWG	Red	#6 Stud	.80mm/.032”	Brazed
209464	25	22-18 AWG	Red	#8 Stud	.80mm/.032”	Brazed
209465	25	22-18 AWG	Red	#10 Stud	.80mm/.032”	Brazed
209466	25	16-14 AWG	Blue	#6 Stud	.80mm/.032”	Brazed
209467	25	16-14 AWG	Blue	#8 Stud	.80mm/.032”	Brazed
209468	25	16-14 AWG	Blue	#10 Stud	.80mm/.032”	Brazed
209469	25	16-14 AWG	Blue	1/4” Stud	.80mm/.032”	Brazed
209470	25	16-14 AWG	Blue	5/16” Stud	.80mm/.032”	Brazed
209471	25	16-14 AWG	Blue	3/8” Stud	.80mm/.032”	Brazed
209472	25	12-10 AWG	Yellow	#10 Stud	1.0mm/.040”	Brazed
209473	25	12-10 AWG	Yellow	1/4” Stud	1.0mm/.040”	Brazed
209475	25	12-10 AWG	Yellow	5/16” Stud	1.0mm/.040”	Brazed
209474	25	12-10 AWG	Yellow	3/8” Stud	1.0mm/.040”	Brazed



QUICK DISCONNECTS

PART #	QTY.	WIRE GAUGE	COLOR STRIPE	DESCRIPTION	SEAM
209480	25	22-18 AWG	Red	Female .250” blade x .032” (.80mm)	Butted w/Grip
209481	25	22-18 AWG	Red	Male .250” tab x .032” (.80mm)	Butted w/Grip
209482	25	16-14 AWG	Blue	Female .250” blade x .032” (.80mm)	Butted w/Grip
209483	25	16-14 AWG	Blue	Male .250” tab x .032” (.80mm)	Butted w/Grip
209484	25	12-10 AWG	Yellow	Female .250” blade x .032” (.80mm)	Butted w/Grip
209485	25	12-10 AWG	Yellow	Male .250” tab x .032” (.80mm)	Butted w/Grip

US Patent Protected • Rated for 105° C (221° F)



HEAT SHRINK CONNECTORS

E-Z VIEW COLOR-CODED CONNECTORS



SPADE TERMINALS

PART #	QTY.	WIRE GAUGE	COLOR STRIPE	STUD	DESCRIPTION	SEAM
209493	25	22-18 AWG	Red	#6 Stud	.80mm/.032”	Brazed
209494	25	22-18 AWG	Red	#8 - #10 Stud	.80mm/.032”	Brazed
209495	25	16-14 AWG	Blue	#6 Stud	.80mm/.032”	Brazed
209496	25	16-14 AWG	Blue	#8 - #10 Stud	.80mm/.032”	Brazed
209497	25	12-10 AWG	Yellow	#8 - #10 Stud	1.0mm/.040”	Brazed
209498	25	12-10 AWG	Yellow	1/4” Stud	1.0mm/.040”	Brazed

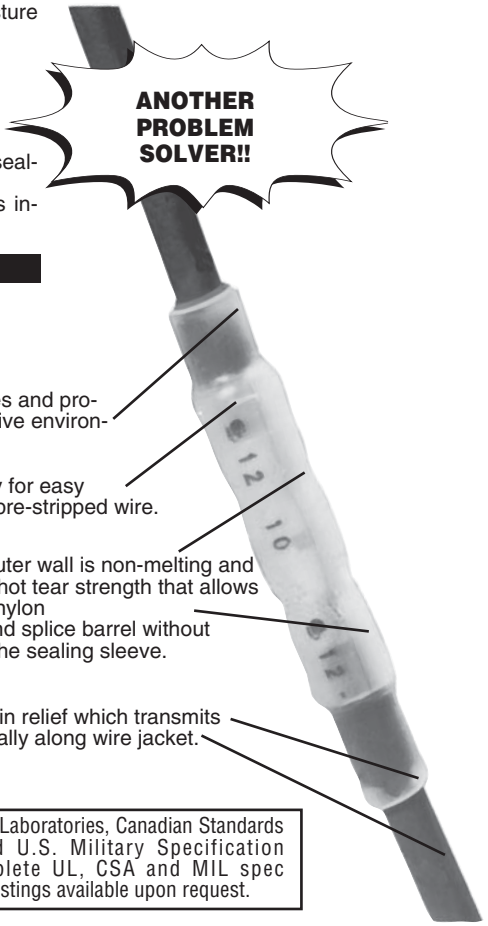
US Patent Protected • Rated for 105° C (221° F)

SHRINK 'N SEAL™ TERMINALS

SHRINK 'N SEAL™ CONNECTORS

WITH HEAT SHRINK TUBING. WEATHERPROOFS, SEALS AND CONNECTS QUICKLY & EASILY.

- Special dual walled, adhesive sealed splice is specially designed to seal out moisture and corrosion.
- The adhesive is a polymide, uniquely formulated for high dielectric strength.
- Special encapsulation and flexible strain relief.
- The radiation cross-linked polyolefin sleeve meets the demanding requirements of mil-1-23053/4.
- Non melting. Thermally stabilized.
- Special hot tear strength that allows crimping of wire barrel without damage to the sealing sleeve.
- See-through, clear heat-shrinkable tubing eliminates errors in crimping and makes in-line splicing quick, simple and sure.



THE BEST CHOICE FOR:

- Automobile and truck wiring
- Trailers and RV's
- Marine applications
- Mining operations
- Industrial machinery
- Construction equip.
- Outdoor lighting
- Air conditioners
- Sprinkler systems
- Telecommunications

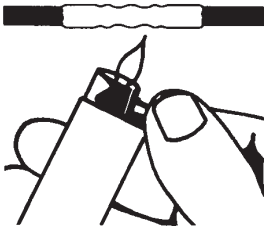
SIMPLE INSTALLATION



Select the correct splice size for the wire gauge. Strip the wires 0.3" (7.6mm) from the end and insert into the crimp barrel.



Making sure the wire end is properly seated, make the crimp connection using a tool designed for insulated splices.



Apply heat directly to the splice, working from the center out to the edges, using a hot air gun or other heat source, until the tubing recovers and the adhesive flows. Allow to cool before inspecting splice and checking integrity.

Meets Underwriter Laboratories, Canadian Standards Association, and U.S. Military Specification Approvals, complete UL, CSA and MIL spec approved product listings available upon request.

SHRINK 'N SEAL TERMINAL ASSORTMENT

With Optional Heat Gun

- Includes: Ring, Spade, Butt and Quick Disconnects
- Packed in a sturdy metal tray with size selector lid chart.
- Special compartment holds Mini Heat Gun (814131).

Part No. 501475
101 pieces • 21 items
1 Mini Heat Gun
12056 steel tray

210250	210315	210331
210251	210316	210334
210252	210317	210335
210306	210321	210338
210307	210322	210339
210310	210328	210340
210311	210329	814131

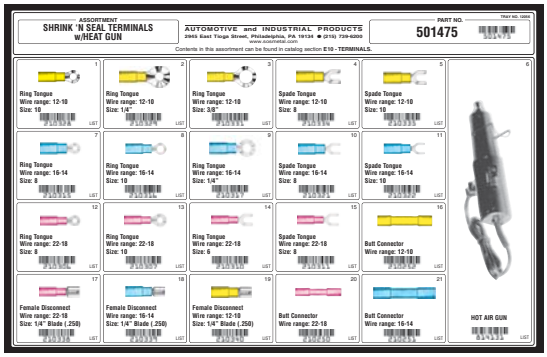
Numbers in assortment

Part No. 501476*
105 pieces • 21 items
(without Heat Gun)
12017 steel tray

210250	210312	210329
210251	210315	210331
210252	210316	210334
210306	210317	210335
210307	210321	210338
210310	210322	210339
210311	210328	210340

Numbers in assortment

***Complete Assortment Refills** for Top "20" Assortment's are available and are shipped in a Corrugated tray (just add RF to Part No.)





SHRINK 'N SEAL™ TERMINALS

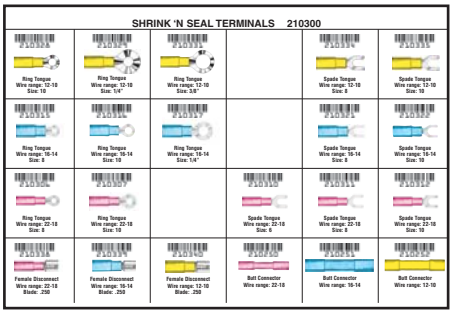
SHRINK N' SEAL STEP-DOWN CONNECTORS

Sealed Crimp Connectors.



PART NUMBER	QTY	SIDE #1 COLOR STRIPE	WIRE	CRIMP DIE (INSULATED)	SIDE # 2 COLOR STRIPE	WIRES	CRIMP DIE (INSULATED)
210538	25	White	24-22 AWG	White (24-22 AWG)	Red	20-18 AWG	Red (20-18 AWG)
210539	25	Red	20-18 AWG	Red (20-18 AWG)	Blue	16-14 AWG	Blue (16-14 AWG)
210540	25	Blue	16-14 AWG	Blue (16-14 AWG)	Yellow	12-10 AWG	Yellow (12-10 AWG)
210541	25	Yellow	12-10 AWG	Yellow (12-10 AWG)	Red	8 AWG	Red (8 AWG)

SHRINK 'N SEAL TERMINAL ASSORTMENT



- Includes: Ring, Spade, Butt and Quick Disconnects
- 22-18, 16-14, and 12-18 wire sizes.

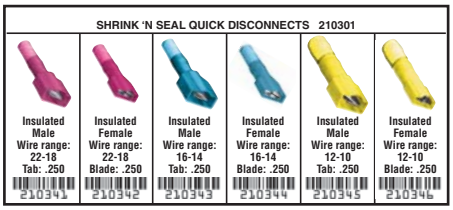
Part No. 210300
84 pieces • 21 items • 12045 plastic tray

210250	210310	210317	210331	210340
210251	210311	210321	210334	
210252	210312	210322	210335	
210306	210315	210328	210338	
210307	210316	210329	210339	

Numbers in assortment



FULLY INSULATED SHRINK 'N SEAL QUICK DISCONNECT ASSORTMENT



- The most popular quick-disconnects you'll need.
- 22-18, 16-14, and 12-10 wire sizes.

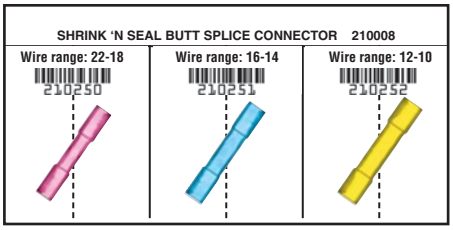
Part No. 210301
40 pieces • 6 items • 12028 plastic tray

210341	210343	210345
210342	210344	210346

Numbers in assortment



SHRINK 'N SEAL BUTT CONNECTOR ASSORTMENT



- Butt connectors with heat shrink tubing.
- 22-18, 16-14, and 12-10 wire sizes.

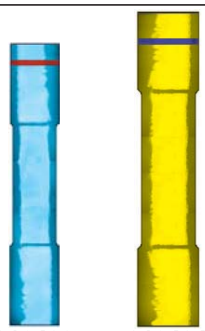
Part No. 210008
32 pieces • 3 items • 12032 plastic tray

210250	210251	210252

Numbers in assortment



THE ALL-WEATHER, HEAT SEALABLE NYLON CONNECTOR



STEP DOWN BUTT CONNECTORS

For complete water tight seal.

The perfect solution when two wires need to be spliced to a single wire or from a larger to smaller gauge wire.

Cutaway View



Location of Color Coded Stripe

Part Number	210483	210484
Wire Size	22-18 to 16-14	16-14 to 12-10
Color Code	Blue with Red Stripe	Yellow with Blue Stripe

SHRINK 'N SEAL™ TERMINALS

THE ALL-WEATHER, HEAT SEALABLE NYLON CONNECTOR

24-22 WIRE RANGE
Color Code: **CLEAR**



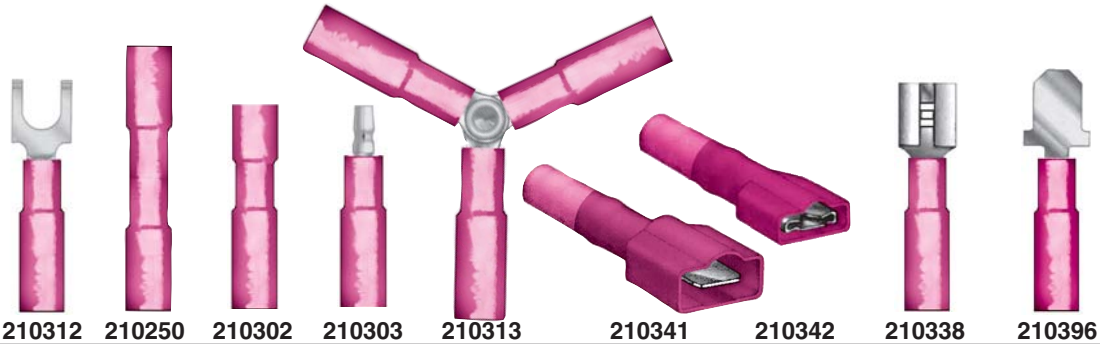
Part Number	210347	210348	210382	210383	210384
Size	4	6	4	6	
Type	Ring Tongue	Ring Tongue	Spade Tongue	Spade Tongue	Butt Connector

22-18 WIRE RANGE
Color Code: **RED**



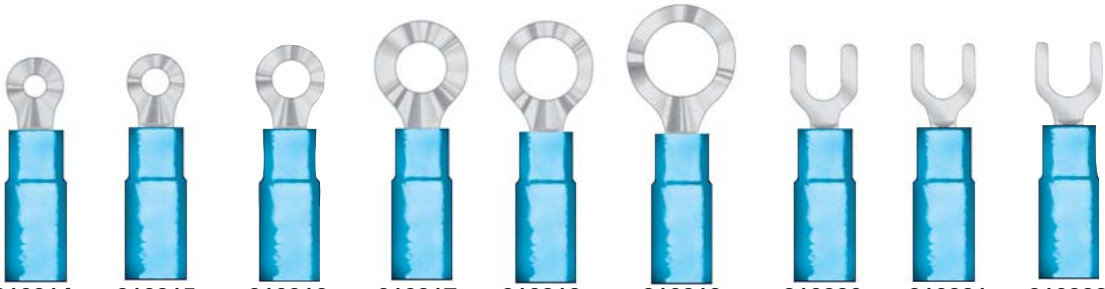
Part Number	210305	210306	210307	210308	210352	210309	210310	210311
Size	6	8	10	1/4	5/16	3/8	6	8
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Spade Tongue	Spade Tongue

22-18 WIRE RANGE
Color Code: **RED**



Part Number	210312	210250	210302	210303	210313	210341	210342	210338	210396
Size	10		.157	.157		.250 Tab	.250 Blade	.250 Blade	.250 Tab
Type	Spade Tongue	Butt Connector	Bullet Receptacle Female	Bullet Receptacle Male	Y Connector	Fully Ins. Male Disconnect	Fully Ins. Female Disconnect	Female Disconnect	Male Disconnect

16-14 WIRE RANGE
Color Code: **BLUE**

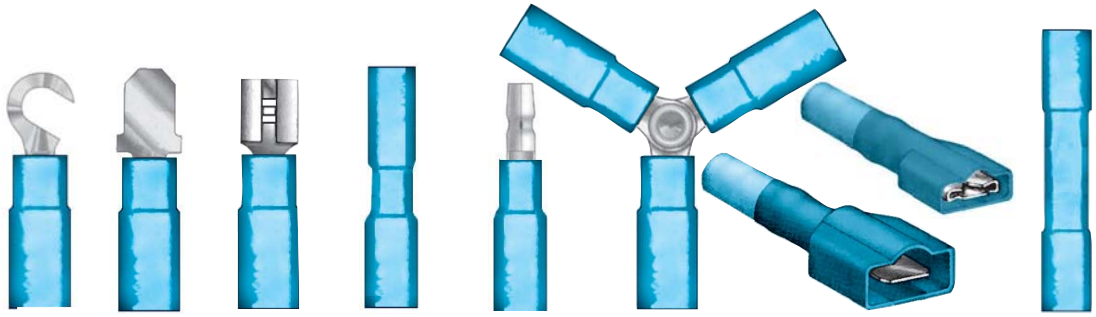


Part Number	210314	210315	210316	210317	210318	210319	210320	210321	210322
Size	6	8	10	1/4	5/16	3/8	6	8	10
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Spade Tongue	Spade Tongue	Spade Tongue

SHRINK 'N SEAL™ TERMINALS

THE ALL-WEATHER, HEAT SEALABLE NYLON CONNECTOR

16-14 WIRE RANGE
Color Code: **BLUE**



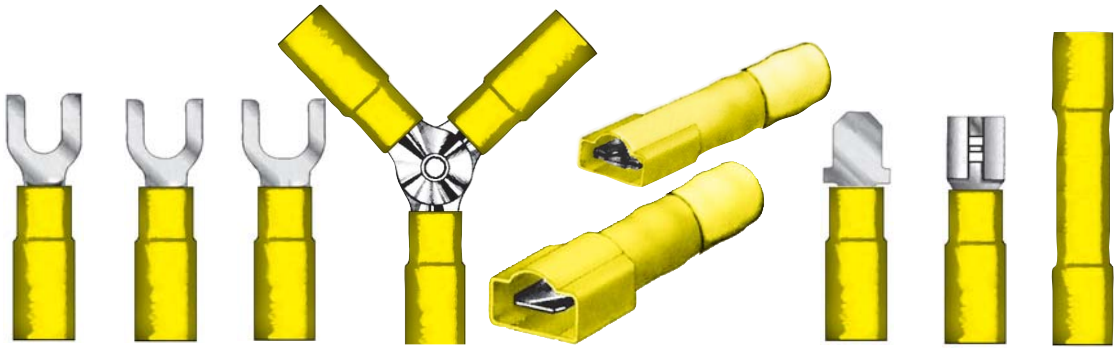
Part Number	210323	210397	210339	210304	210325	210324	210343	210344	210251
Size	10	.250 Tab	.250 Blade	.157	.157		.250 Tab	.250 Blade	
Type	Hook Tongue	Male Disconnect	Female Disconnect	Bullet Receptacle Female	Bullet Receptacle Male	Y Connector	Fully Ins. Male Disconnect	Fully Ins. Female Disconnect	Butt Connector

12-10 WIRE RANGE
Color Code: **YELLOW**



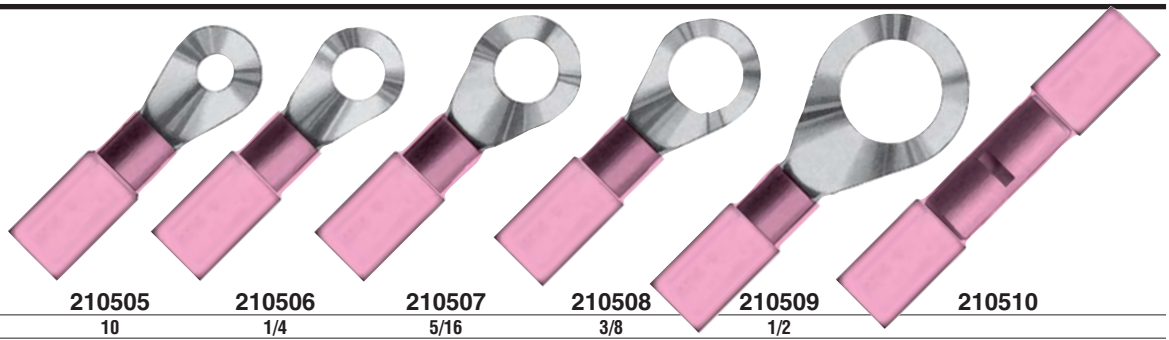
Part Number	210326	210327	210328	210329	210330	210331	210332	210333
Size	6	8	10	1/4	5/16	3/8	1/2	6
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Spade Tongue

12-10 WIRE RANGE
Color Code: **YELLOW**



Part Number	210334	210335	210336	210337	210345	210346	210398	210340	210252
Size	8	10	1/4		.250 Tab	.250 Blade	.250 Tab	.250 Blade	
Type	Spade Tongue	Spade Tongue	Spade Tongue	Y Connector	Fully Ins. Male Disconnect	Fully Ins. Female Disconnect	Male Disconnect	Female Disconnect	Butt Connector

8 WIRE RANGE
Color Code: **RED**



Part Number	210505	210506	210507	210508	210509	210510
Size	10	1/4	5/16	3/8	1/2	
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Butt Connector

SHRINK 'N SEAL™ TERMINALS

LONG NECK RING TERMINALS

SUPERIOR CONTACT



- Long neck allows ring terminals to be stacked with maximum contact

VISUAL INSPECTION



- 45° barrel allows installer to see wire is fully inserted and wire is crimped to barrel
- 45° barrel ensures wire is stripped proper length

- Long neck designed to be insulated with heat shrink tubing
- Long neck ensures proper seal



- Assortment contains long neck terminals and butt connectors.



Part No. 501774
170 pieces • 17 items • 12056 steel

209501	209505	209509	209513	210252
209502	209506	209510	209514	
209503	209507	209511	210250	
209504	209508	209512	210251	

Numbers in assortment

22-18 WIRE RANGE
Color Code: RED



Part Number	209501	209502	209503
Size	6	8	10
Type	Ring Tongue	Ring Tongue	Ring Tongue

16-14 WIRE RANGE
Color Code: BLUE



Part Number	209504	209505	209506	209507	209508	209509
Size	6	8	10	1/4	5/16	3/8
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue

12-10 WIRE RANGE
Color Code: YELLOW



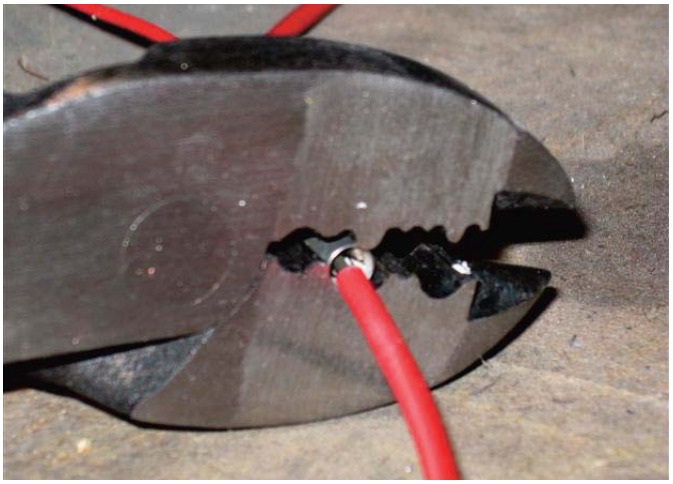
Part Number	209510	209511	209512	209513	209514
Size	8	10	1/4	5/16	3/8
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue

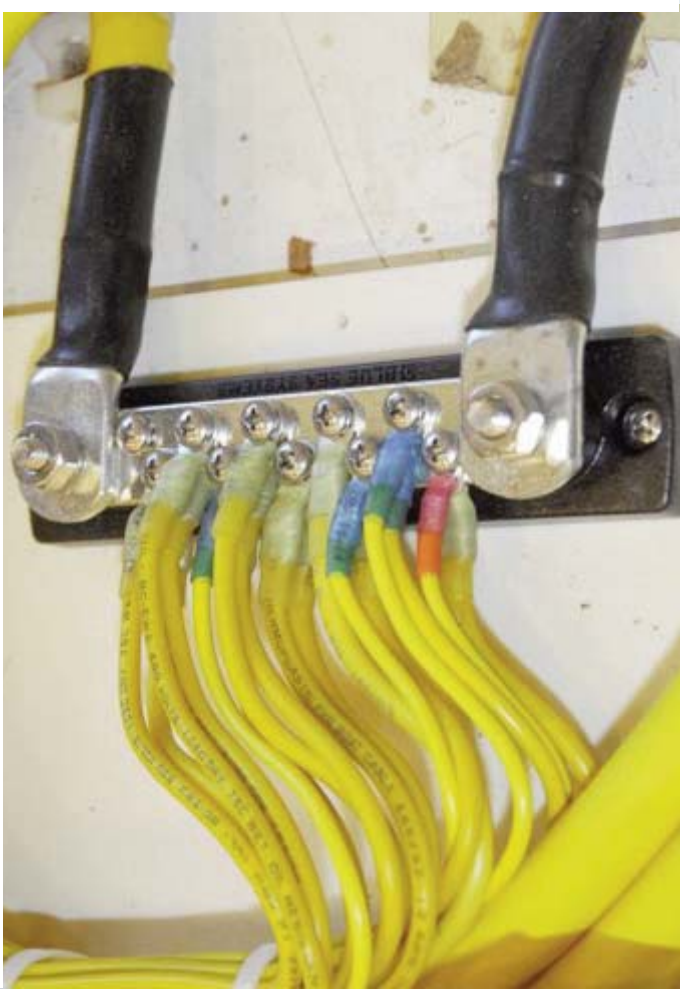
E SECTION ELECTRICAL HARDWARE













VINYL INSULATED TERMINALS

VINYL INSULATED SOLDERLESS TERMINAL ASSORTMENTS

Part No. 501016M
400 pieces • 24 items
12017 steel tray

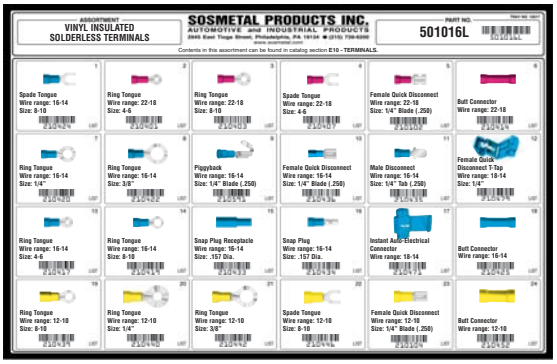
Part No. 501016L
800 pieces • 24 items
12017 steel tray

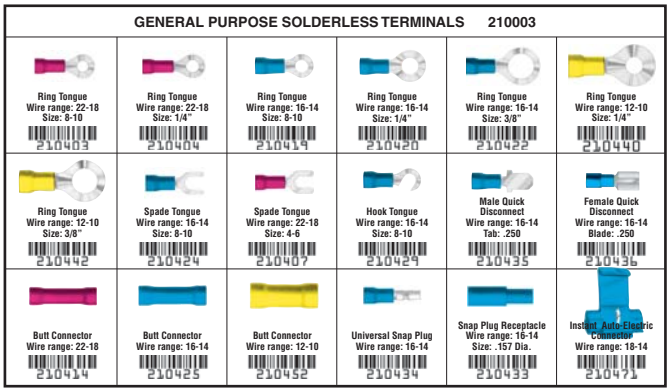
210102	210417	210433	210442
210104	210419	210434	210446
210401	210420	210435	210452
210403	210422	210436	210471
210407	210424	210439	210479
210414	210425	210440	210591

Numbers in assortment

- The most popular terminals, including Ring, Spade, Hook, Butt and Quick Connect styles.
- Packed in metal drawer with size selector chart.



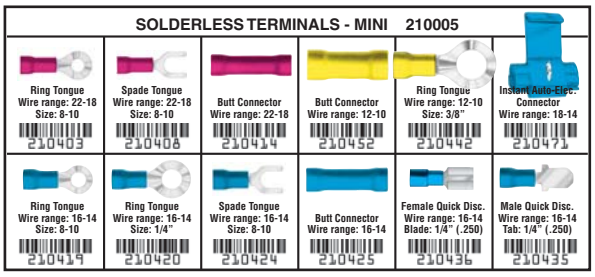






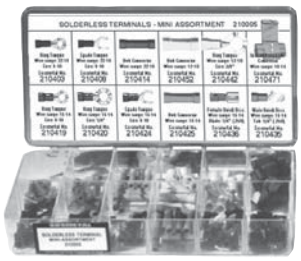
Part No. 210003
282 pieces
19 items
12040 plastic tray
with hand crimper

Part No. 210004
282 pieces
18 items
12040 plastic tray



- Contains Ring and Spade Tongue, Instant Connector, Snap, Butt and Quick Connect types.

Part No. 210005
102 pieces
12 items
12030 plastic tray



VINYL INSULATED TERMINALS

PREMIUM QUALITY, FLARED VINYL INSULATION (.032" COPPER)

22-18 WIRE RANGE
Color Code: **RED**



Part Number	210401	210402	210403	210404	210405	210406	210407	210408	210409
Size	4-6	6-8	8-10	1/4	5/16	3/8	4-6	8-10	4-6
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Spade Tongue	Spade Tongue	Flanged Spade

22-18 WIRE RANGE
Color Code: **RED**



Part Number	210410	210411	210412	210102	210475	210579	210580	210581	210582
Size	8-10	4-6	8-10	.250 Blade	.250 Tab	.110 Blade	.187 Blade	.187 Tab	.250 Blade
Type	Flanged Spade	Hook Tongue	Hook Tongue	Female Quick Disconnect	Male Quick Disconnect	Female Quick Disconnect	Female Quick Disconnect	Male Quick Disconnect	Piggyback

22-18 WIRE RANGE
Color Code: **RED**



Part Number	210280	210281	210413	210414	210275	210277	210415
Size	.157 Dia.	.157 Dia.			.250 Tab	.250 Blade	
Type	Snap Plug	Snap Plug Receptacle	Parallel Connector	Butt Connector	Fully Ins. Male Quick Disconnect	Fully Ins. Female Quick Disconnect	3-way "Y" Connector

16-14 WIRE RANGE
Color Code: **BLUE**



Part Number	210417	210418	210419	210420	210421	210422	210423	210424
Size	4-6	6-8	8-10	1/4	5/16	3/8	4-6	8-10
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Spade Tongue	Spade Tongue

16-14 WIRE RANGE
Color Code: **BLUE**

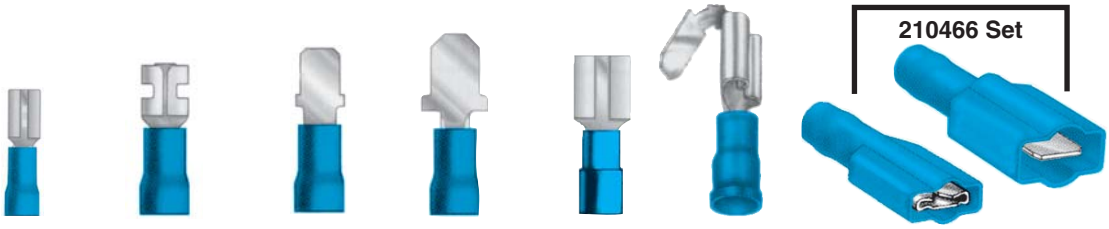


Part Number	210426	210427	210428	210429	210434	210433	210592	210593
Size	4-6	8-10	4-6	8-10	.157 Dia.	.157 Dia.	.180	.180
Type	Flanged Spade	Flanged Spade	Hook Tongue	Hook Tongue	Snap Plug	Snap Plug Receptacle	Snap Plug	Snap Plug Receptacle

VINYL INSULATED TERMINALS

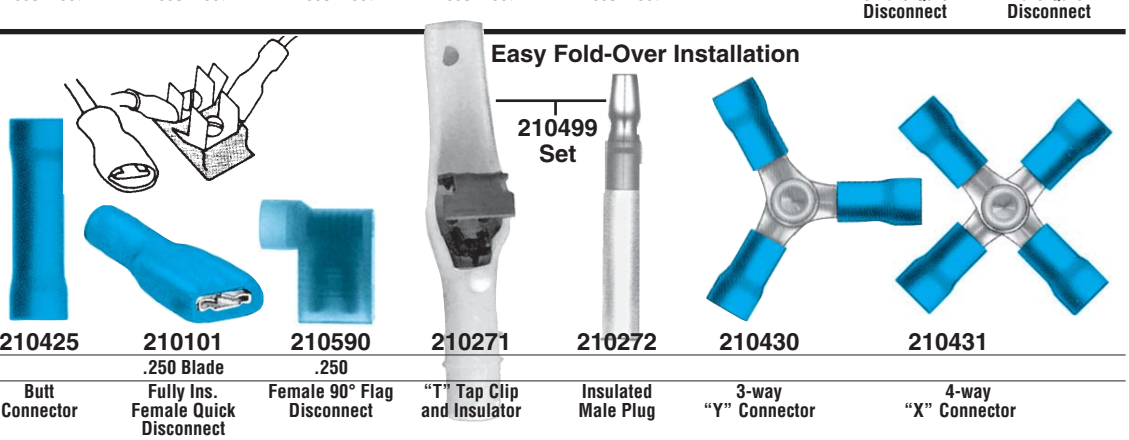
PREMIUM QUALITY, FLARED VINYL INSULATION (.032" COPPER)

16-14 WIRE RANGE
Color Code: **BLUE**



Part Number	210574	210588	210589	210435	210436	210591	210278	210276
Size	.110 Blade	.187 Blade	.187 Tab	.250 Tab	.250 Blade	.250 Blade	.250 Blade	.250 Tab
Type	Female Quick Disconnect	Female Quick Disconnect	Male Quick Disconnect	Male Disconnect	Female Quick Disconnect	Piggyback	Fully Ins. Female Quick Disconnect	Fully Ins. Male Quick Disconnect

16-14 WIRE RANGE
Color Code: **BLUE**



Part Number	210425	210101	210590	210271	210272	210430	210431
Size		.250 Blade	.250				
Type	Butt Connector	Fully Ins. Female Quick Disconnect	Female 90° Flag Disconnect	"T" Tap Clip and Insulator	Insulated Male Plug	3-way "Y" Connector	4-way "X" Connector

PREMIUM QUALITY, FLARED VINYL INSULATION (.040" COPPER)

12-10 WIRE RANGE
Color Code: **YELLOW**



Part Number	210437	210438	210439	210440	210441	210442	210443	210444
Size	4-6	6-8	8-10	1/4	5/16	3/8	7/16	1/2
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue

12-10 WIRE RANGE
Color Code: **YELLOW**

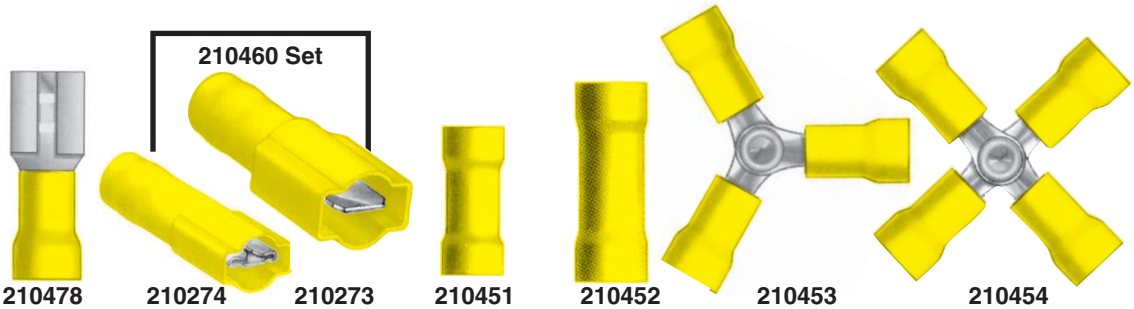


Part Number	210445	210446	210447	210448	210449	210450	210104	210476
Size	4-6	8-10	4-6	8-10	4-6	8-10	.250 Blade	.250 Tab
Type	Spade Tongue	Spade Tongue	Flanged Spade	Flanged Spade	Hook Tongue	Hook Tongue	Female Quick Disconnect	Male Quick Disconnect

VINYL INSULATED TERMINALS

PREMIUM QUALITY, FLARED VINYL INSULATION (.040" COPPER)

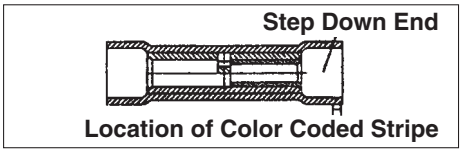
12-10 WIRE RANGE
Color Code: YELLOW



Part Number	210478	210274	210273	210451	210452	210453	210454
Size	3/8 Blade	.250 Blade	.250 Tab				
Type	Female Quick Disconnect VW Alts. & Reg.	Fully Ins. Female Disconnect	Fully Ins. Male Disconnect	Parallel Connector	Butt Connector	3-way "Y" Connector	4-way "X" Connector

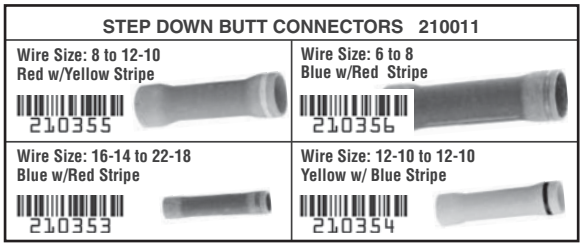
INSULATED STEP DOWN BUTT CONNECTORS

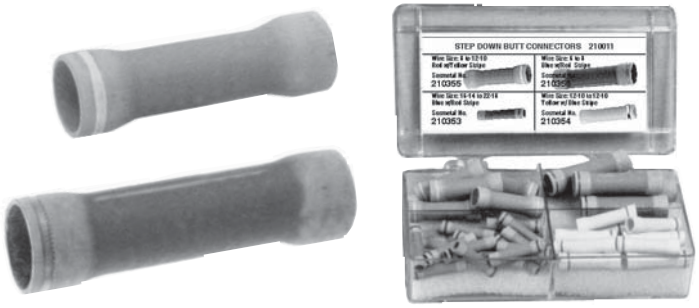
Cutaway View



The step down butt splice is the perfect solution when two wires need to be inserted in one end of a splice and a single wire in the other end.

- Connects wires of different gauges.
- The "step down" end is distinctly color coded for easy identification.
- Flared vinyl insulation.





PART NUMBER	WIRE SIZE	COLOR	QTY
210353	16 - 14 to 22 - 18	Blue w/ Red Stripe	25
210354	12 - 10 to 16 - 14	Yellow w/ Blue Stripe	25
210355	8 to 12 - 10	Red w/ Yellow Stripe	25
210356	6 to 8	Blue w/ Red Stripe	25

See page E10-20 for Shrink 'N Seal Step Down Butt Connectors.

Part No. 210011
52 pieces
4 items
12024 plastic tray

NON-INSULATED HIGH TEMPERATURE TERMINALS

1200° HIGH TEMPERATURE BUTTED SEAM TERMINALS

- Structural features are identical to all non-insulated terminals except for the base material, which is high quality, nickel plated alloy steel.
- Designed for use in specific applications where high temperatures are encountered.
- Material: Alloy steel.
- Plating: Nickel.
- Temperature rating: 900° continuous 1200° intermittent

22-18 WIRE RANGE



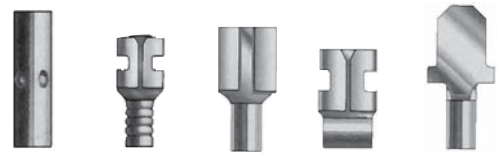
Part Number	209201	209203	209204	209213	209224	209220
Size	6	10	1/4	10	6	
Type	Ring Tongue	Ring Tongue	Ring Tongue	Spade Tongue	Block Spade	Butt Connector

16-14 WIRE RANGE



Part Number	209205	209207	209208	209214	209225
Size	6	10	1/4	10	6
Type	Ring Tongue	Ring Tongue	Ring Tongue	Spade Tongue	Block Spade

16-14 WIRE RANGE



Part Number	209221	209217	209218	209226	209227
Size		.187 Blade	.250 Blade	.250 Blade	.250 Tab
Type	Butt Connector	Female Disconnect	Female Disconnect	Flag Disconnect	Male Disconnect

12-10 WIRE RANGE



Part Number	209223	209210	209211	209212	209215	209222
Size	6	10	1/4	3/8	10	
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Spade Tongue	Butt Connector

1200° HIGH TEMPERATURE NON-INSULATED TERMINALS

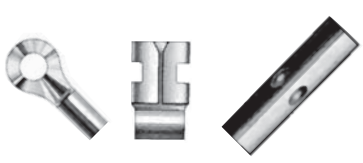
SHOP ASSORTMENT
Part No. 209102
294 pieces • 22 items • 12045 plastic tray

209201	209207	209212	209217	209222	209226
209203	209208	209213	209218	209223	209227
209204	209210	209214	209220	209224	
209205	209211	209215	209221	209225	

Numbers in assortment



GENERAL PURPOSE NON-INSULATED SOLDERLESS TERMINALS





SHOP ASSORTMENT
Part No. 209101
304 pieces • 18 items • 12040 plastic tray

209111	209130	209137	209152	209157	209167
209113	209132	209141	209154	209161	209176
209118	209135	209150	209156	209163	209177

Numbers in assortment





MASTER ASSORTMENT
Part No. 501333
492 pieces • 24 items • 12017 steel tray

209128	209138	209154	209161	209167	209181
209132	209150	209156	209162	209176	209184
209135	209152	209157	209163	209177	209185
209136	209153	209160	209164	209180	209186

Numbers in assortment

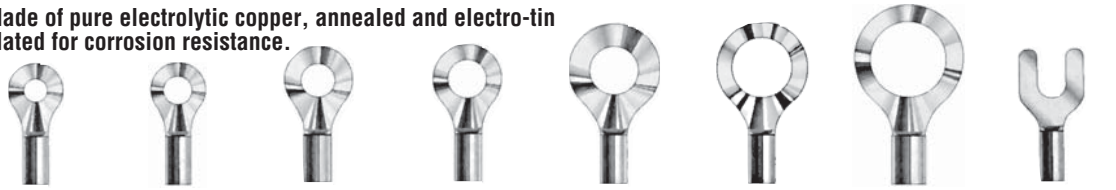
NOTE: Splice Clips, Automotive Open Barrel Terminals and Ford Terminated Leads can be found in Section G11.

NON-INSULATED TERMINALS

SOLDERLESS TERMINALS NON-INSULATED

22-18 WIRE RANGE

Made of pure electrolytic copper, annealed and electro-tin plated for corrosion resistance.



Part No.	209110	209111	209112	209113	209114	209115	209116	209117
Size	4	6	8	10	1/4	5/16	3/8	6
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Spade Tongue

22-18 WIRE RANGE



Part No.	209118	209119	209120	209121	209122	209123	209124	209125
Size	8	10	6	8	10	6	8	10
Type	Spade Tongue	Spade Tongue	Flanged Spade	Flanged Spade	Flanged Spade	Hook Tongue	Hook Tongue	Hook Tongue

22-18 WIRE RANGE



Part No.	209126	209127	209128	209129	209130	209131	209132
Size	.187 Tab	.250 Tab	.110 Blade	.187 Blade	.250 Blade	.157 Dia.	
Type	Male Disconnect	Male Disconnect	Female Disconnect	Female Disconnect	Female Disconnect	Bullet	Butt Connector

16-14 WIRE RANGE



Part No.	209133	209134	209135	209136	209137	209138	209139	209140
Size	4	6	8	10	1/4	5/16	3/8	6
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Spade Tongue

16-14 WIRE RANGE



Part No.	209141	209142	209143	209144	209145	209146	209147	209148
Size	8	10	6	8	10	6	8	10
Type	Spade Tongue	Spade Tongue	Flanged Spade	Flanged Spade	Flanged Spade	Hook Tongue	Hook Tongue	Hook Tongue

16-14 WIRE RANGE



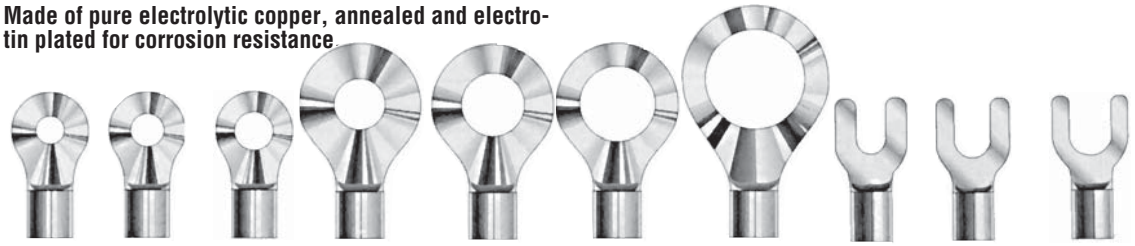
Part No.	209149	209150	209151	209152	209153	209154	209155	209156	209157
Size	.187 Tab	.250 Tab	.187 Blade	.250 Blade	.187 Blade	.250 Blade	.250 Blade	.157 Dia.	
Type	Male Disconnect	Male Disconnect	Female Disconnect	Female Disconnect	Female Flag	Female Flag	Female Open Barrel	Bullet	Butt Connector

NON-INSULATED TERMINALS

SOLDERLESS TERMINALS NON-INSULATED

12-10 WIRE RANGE

Made of pure electrolytic copper, annealed and electro-tin plated for corrosion resistance



Part No.	209158	209159	209160	209161	209162	209163	209164	209165	209166	209167
Size	6	8	10	1/4	5/16	3/8	1/2	6	8	10
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Spade Tongue	Spade Tongue	Spade Tongue

12-10 WIRE RANGE



Part No.	209168	209169	209170	209171	209172	209173	209174	209176	209175	209177
Size	6	8	10	6	8	10	.250 Tab	.250 Blade	.375 Blade	
Type	Flanged Spade	Flanged Spade	Flanged Spade	Hook Tongue	Hook Tongue	Hook Tongue	Male Disconnect	Female Disconnect	Female Disconnect	Butt Connector

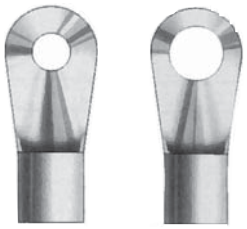
#8 WIRE RANGE

Barrel seam brazed with high grade silver alloy to assure maximum strength in heavy duty applications.



Part No.	209178	209179	209180	209181	209182	209196
Size	10	1/4	5/16	3/8	1/2	
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Butt Connector

#6 WIRE RANGE



Part No.	209183	209184
Size	10	1/4
Type	Ring Tongue	Ring Tongue

#6 WIRE RANGE



Part No.	209185	209186	209187	209197
Size	5/16	3/8	1/2	
Type	Ring Tongue	Ring Tongue	Ring Tongue	Butt Connector

#4 WIRE RANGE



Part No.	209188	209189	209190	209191	209198
Size	1/4	5/16	3/8	1/2	
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Butt Connector

NON-INSULATED TERMINALS

#2 WIRE RANGE



Part No.	209192	209193	209194	209195	209199
Size	1/4	5/16	3/8	1/2	
Type	Ring Tongue	Ring Tongue	Ring Tongue	Ring Tongue	Butt Connector

UNINSULATED STEP-DOWN CONNECTORS

209450
209451
209452
209453

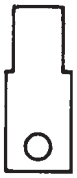


Unsealed - No Heat Shrink Tubing.

PART NUMBER	QTY	SIDE #1 COLOR STRIPE	WIRE	CRIMP DIE (INSULATED)	SIDE # 2 COLOR STRIPE	WIRES	CRIMP DIE (INSULATED)
209450	50	White	24-22 AWG	White (24-22 AWG)	Red	20-18 AWG	Red (20-18 AWG)
209451	50	Red	20-18 AWG	Red (20-18 AWG)	Blue	16-14 AWG	Blue (16-14 AWG)
209452	50	Blue	16-14 AWG	Blue (16-14 AWG)	Yellow	12-10 AWG	Yellow (12-10 AWG)
209453	50	Yellow	12-10 AWG	Yellow (12-10 AWG)	Red	8 AWG	Red (8 AWG)

QUICK DISCONNECT TERMINALS

Convert stud terminals to quick disconnects.



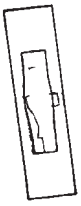
Male Junction Block Tabs
Screw Size: 6
Tab width: .250 (1/4)
Part No. 210228 100



Male Junction Block Tabs
Screw Size: 8
Tab width: .250 (1/4)
Part No. 210229 100



Double Male Connector
Tab width: .250 (1/4) vinyl insulated
Part No. 210550 100



Double Female Bullet Receptacle
.156 Dia.
Part No. 210432 100



"Y" Adapter
Two .250'' Male to one .250'' Female
Part No. 210462 100



Piggy-Back Adapter
Two .250'' Male to one .250'' Female
Part No. 210463 100



Parallel Adapter
Two .250'' Male to one .250'' Female
Part No. 210360 25



Female Tab
26-20 ga. wire
Tab width: .110
Non-Insulated
Part No. 210361 50



Female Tab
16-14 ga. wire
Tab width: .110
Non- Insulated
Part No. 210362 50



Female Bullet Receptacle
18-14 ga. wire
.156 Dia.
Non-Insulated
Part No. 210363 25

WIRE PIN TERMINALS

Used in truck/trailer junctions and plugs, and in European terminal blocks.



22-18 ga. wire
Pin Length: .37
Non-Insulated
Part No. 210364 50



16-14 ga. wire
Pin Length: .37
Non-Insulated
Part No. 210365 50



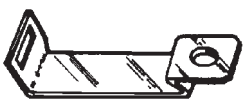
12-10 ga. wire
Pin Length: .46
Non-Insulated
Part No. 210366 50

FUSE TAP



For Blade Fuses
Tab width: .250 (1/4)
Part No. 210283 100

MINIFUSE TAP ADAPTER



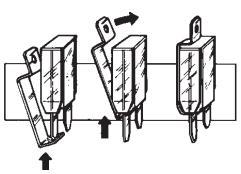
Part No. 615233 50

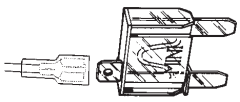
Directions for installation:

Tap the hot side of the MINIFUSE to power car stereos, alarms, CB's and add-on accessories.

Slip the leg of a MINIFUSE through the contact slot of the tap, fold the tap over the top into the vehicles MINIFUSE block.

To tap current slip a crimped .187 fully insulated female quick connect over the tab of the MINIFUSE and plug.





NON-INSULATED TERMINALS / DEUTSCH CONNECTORS

MATE-N-LOK™ TERMINALS

Commonly used in cellular phone and communication equipment installations, office machines and machine controls.



Male Terminal

20-14 ga. wire
.084 dia. pin
Single barb mates with 210171

Part No. 210170 25



Female Terminal

20-14 ga. wire
.084 dia. pin
Single barb mates with 210170

Part No. 210171 25



Male Terminal

20-14 ga. wire
.084 dia. pin
Dual barb mates with 210173

Part No. 210172 25

DEUTSCH DT SERIES CONNECTORS

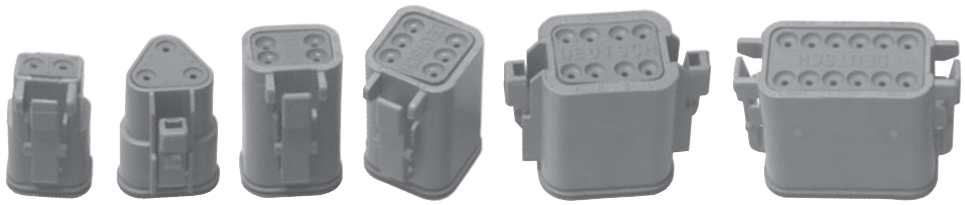
Environmentally sealed connectors for cable connections on engines, transmissions, chassis, brake systems, lights and cabs in the fleet, agricultural and equipment industries.

- Thermoplastic housings and silicone seals rated -55°C to 125°C.
- Withstands submersion in three feet of water.
- Current rating (maximum) 13 amps.
- **ALL TERMINALS REQUIRE A LOCKING WEDGE.**
- Material specifications:

Housings (plug and receptacle): Thermoplastic.
Seals: Silicone elastomer.
Locking wedge: Thermoplastic.
Contacts: Copper alloy, nickel plated.

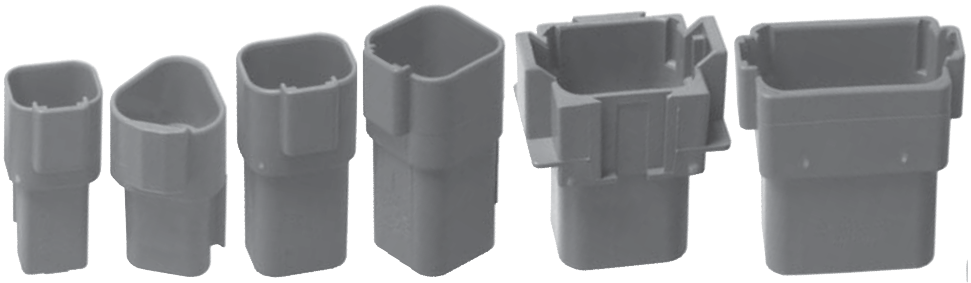
PART PLUG NUMBER	CAVITIES	LOCKING WEDGE	QTY
206923	2	206929	5
206924	3	206930	5
206925	4	206931	5
206926	6	206932	5
206927	8	206933	2
206928	12	206934	2

PLUGS



PART RECEPTACLE NUMBER	CAVITIES	LOCKING WEDGE	QTY
206910	2	206916	5
206911	3	206917	5
206912	4	206918	5
206913	6	206919	5
206914	8	206920	2
206915	12	206921	2

RECEPTACLES



FEMALE SOCKET TERMINAL



- Use with DT series plugs.
- Wire range: 16-14 ga.

Part No. 206935 10

SEALING PLUG



Part No. 206936 10

MALE PIN TERMINAL



- Use with DT series receptacles.
- Wire range: 16-14 ga.

Part No. 206922 10

DEUTSCH REMOVAL TOOL



Part No. 206937

DEUTSCH CRIMPING TOOL

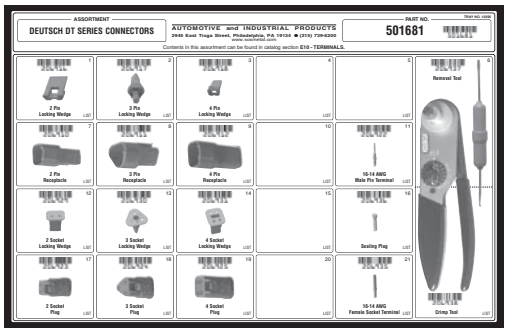
- Universal hand crimp tool, eight indent, solid contacts.



Part No. 206938

DEUTSCH / INDUSTRIAL CONNECTORS

DEUTSCH DT SERIES CONNECTOR ASSORTMENTS



- Contains 2, 3 and 4 socket plugs and locking wedges, 2, 3 and 4 pin receptacles and locking wedges, female socket terminals, male pin terminals and sealing plugs.
- Assortment No. 501681 includes removal tool and crimper.



Part No. 501680
110 pieces • 15 items • 12050 steel tray

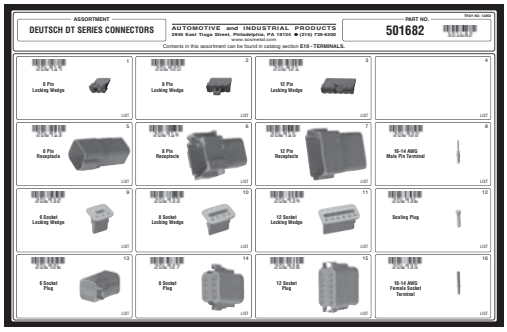
206910	206916	206922	206925	206931
206911	206917	206923	206929	206935
206912	206918	206924	206930	206936

Numbers in assortment

Part No. 501681
Includes HD Crimper and Removal Tool
112 pieces • 17 items • 12056 steel tray

206910	206916	206922	206925	206931	206937
206911	206917	206923	206929	206935	206938
206912	206918	206924	206930	206936	

Numbers in assortment



- Contains 6, 8 and 12 socket plugs and locking wedges, 6, 8 and 12 pin receptacles and locking wedges, female socket terminals, male pin terminals and sealing plugs.



Part No. 501682
74 pieces • 15 items • 12050 steel tray

206913	206919	206922	206928	206934
206914	206920	206926	206932	206935
206915	206921	206927	206933	206936

Numbers in assortment

INDUSTRIAL CONNECTORS

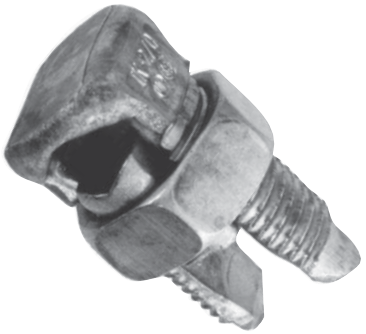
SPLIT BOLT CONNECTORS

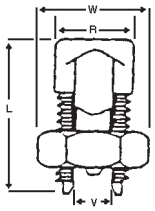
Listed Registered

Used by Utility Co's, plant maintenance, building construction. Anywhere for joining conductor cable in industrial applications. Universal - uses both stranded and solid cable.

COPPER BOLTS, FOR COPPER CONDUCTORS ONLY

- High strength copper alloy - allows maximum pressure to be placed on the conductors.
- Extremely resistant to seasonal cracking and corrosion.
- Precision tooled threads - allows maximum torque to be applied.
- Assures a cool and safe connection.

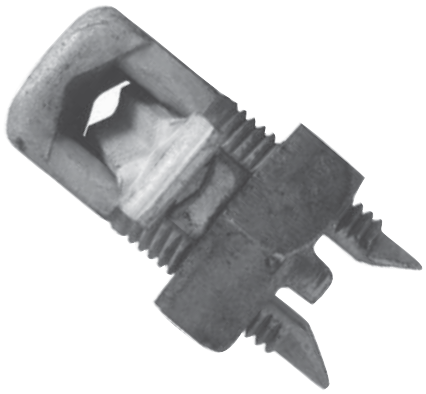




PART NUMBER	QTY	WIRE RANGE (CU) EQUAL MAIN & TAP (MIN. - MAX.)	MIN.TAP WITH MAX MAIN	DIMENSIONS IN INCHES L	R	V	W
210850	2	12 str - 10 str	16 str	.72	.29	.117	.49
210851	2	10 str - 8 str	14 str	.72	.37	.142	.57
210852	2	8 str - 6 sol	14 str	.98	.44	.165	.70
210853	2	8 str - 4 sol	14 str	1.04	.50	.216	.78
210854	2	6 str - 2 sol	14 str	1.08	.58	.264	.84
210855	2	6 str - 2 str	14 str	1.51	.62	.323	.92
210856	2	4 str - 1/0 str	14 str	1.64	.72	.385	1.06
210857	1	2 str - 2/0 str	14 str	1.79	.81	.436	1.18
210858	1	1 str - 3/0 str	8 sol	1.80	1.17	.553	1.56
210859	1	1 str - 250MCM	8 str	2.00	1.17	.605	1.56
210860	1	1/0 str - 350MCM	1/0 str	2.63	1.25	.696	1.91
210861	1	2/0 str - 500MCM	2/0 str	2.91	1.50	.850	2.10

ALUMINUM BOLTS, FOR ALUMINUM CONDUCTORS ONLY

- Use with any combination of copper or aluminum conductors.
- Manufactured from a special heat treated high strength aluminum alloy.
- Patented design insures cool operation and long term reliability.
- Specifically designed to meet the stringent U.L. 486 B. testing standards.
- Triangle edge of the pressure bar bites into the cable to break through surface oxides.



PART NUMBER	QTY	WIRE RANGE (CU) EQUAL MAIN & TAP (MIN. - MAX.)	MIN.TAP WITH MAX MAIN	DIMENSIONS IN INCHES L	R	V	W
210862	2	10 str - 6 str	10 sol	1.37	.55	.210	.84
210863	2	8 str - 4 sol	10 sol	1.51	.62	.264	.91
210864	2	6 str - 2 sol	8 str	1.69	.68	.325	1.05
210865	2	2 str - 1/0 str	8 sol	2.00	.74	.390	1.11
210866	1	2 str - 2/0 str	8 str	2.08	.87	.440	1.26
210867	1	2 str - 4/0 str	6 str	2.75	1.17	.550	1.73
210868	1	1/0 str - 350MCM	4 str	3.28	1.50	.696	1.93
210869	1	400MCM - 500MCM	2 str	3.58	1.71	.850	2.30

Assortment available.

Part No. 501542
33 pieces • 11 items
12050 steel tray
Includes both copper & aluminum 12-10 thru 2-4/0

210850	210855	210863
210851	210856	210864
210852	210857	210867
210853	210862	

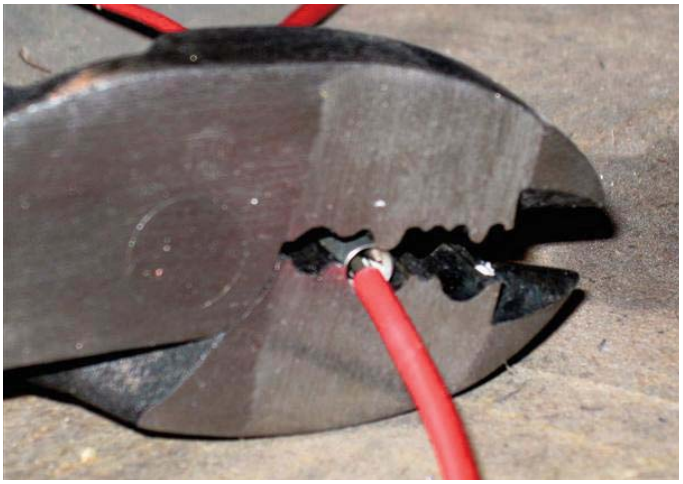
Numbers in assortment

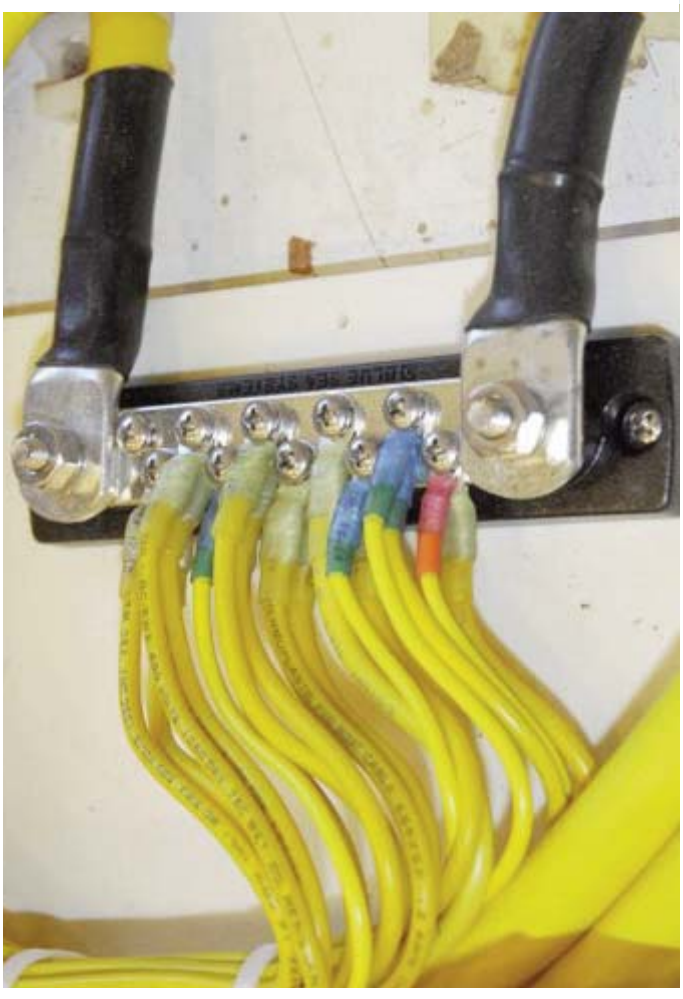
E SECTION ELECTRICAL HARDWARE













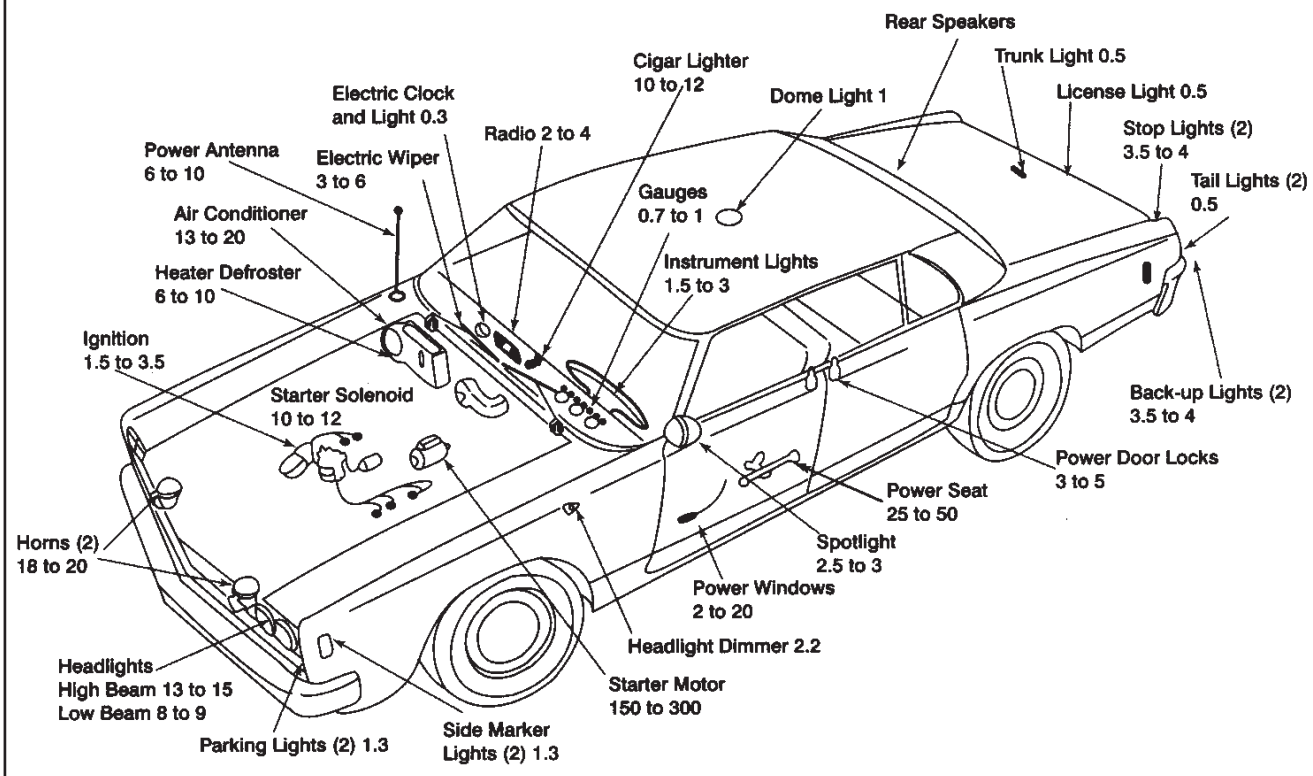
WIRE GAUGE CHART

WIRE GAUGE CHART

12 VOLT SYSTEM AMPS (APPROX.)	CANDLE POWER	TOTAL LENGTH OF CABLE IN CIRCUIT FROM BATTERY TO MOST DISTANT LAMP 2.5-FT GAUGE	5-FT GAUGE	10-FT GAUGE	20-FT GAUGE	30-FT GAUGE	40-FT GAUGE	50-FT GAUGE	60-FT GAUGE	80-FT GAUGE	100-FT GAUGE
1.0	6	20	20	20	20	20	20	20	20	20	18
1.5	10	20	20	20	20	20	20	20	20	18	18
2	16	20	20	20	20	20	20	18	18	16	16
3	24	20	20	20	20	20	18	18	16	16	14
4	30	20	20	20	20	18	16	16	16	14	12
5	40	20	20	20	18	18	16	14	14	12	12
6	50	20	20	20	18	16	16	14	14	12	12
7	60	20	20	20	18	16	14	14	12	12	10
8	70	20	20	20	16	16	14	12	12	10	10
10	80	20	20	18	16	14	12	12	12	10	10
11	90	20	20	18	16	14	12	12	10	10	8
12	100	20	20	18	16	14	12	12	10	10	8
15	120	20	20	18	14	12	12	10	10	8	8
18	140	20	20	16	14	12	10	10	8	8	8
20	160	20	18	16	12	12	10	10	8	8	6
22	180	20	18	16	12	10	10	8	8	8	6
24	200	20	18	16	12	10	10	8	8	6	6
36		20	16	14	10	8	8	8	6	6	4
50		18	16	12	10	8	6	6	4	4	2
100		14	12	10	6	4	4	2	2	1	0
150		14	10	8	4	2	2	1	0	00	000
200		12	8	6	4	2	1	0	00	000	0000

Note: This chart is based on a 10% maximum voltage drop. For 5% voltage drop, use double the measured wire length. When mechanical strength is a factor, use next larger wire gauge.

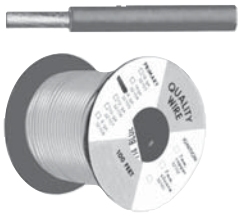
Primary Wiring Amperage Guide **Amperage based on typical 12 volt system.**



WIRE and ELECTRICIAN SHEARS

PVC GENERAL PURPOSE PRIMARY WIRE

Multi-use wire for original equipment and replacement on automotive, truck, trailer and marine applications.



- Thermoplastic PVC insulation.
- Stranded copper conductor wire.
- Temperature rated from -30° to +165°F.
- Resistant to grease, oil and acids.

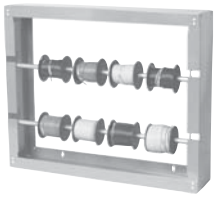
MEETS OR EXCEEDS:
S.A.E. Spec. J1128
Ford M1L56-A and M1L58-A
Chrysler MS 3450

PART NUMBER 100 ft. (Add suffix for color)	250 ft. (Add suffix for color)	1000 ft. (Add suffix for color)	GAUGE
---	32111	---	22
---	32112	---	20
32103	---	---	18
32104	---	32104M	16
32105	---	32105M	14
32106	---	---	12
32107	---	---	10
32108	---	---	8

COLORS AVAILABLE: Add suffix to part number when ordering. All wire sizes except 22 ga., 20 ga. and 8 ga. available in Black (use no suffix), Blue (BL), Brown (BR), Green (G), Gray (GY), Orange (RNG), Purple (P), Red (R), White (W), Yellow (Y). 22 ga., 20 ga. and 8 ga. available in Black, Red (R), and White (W) only.

GENERAL PURPOSE PRIMARY WIRE STARTER ASSORTMENT

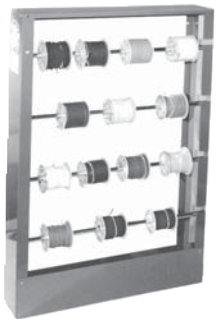
Part No. 32110
8 spools containing 100' each.
Steel rack
Part No. 12002 included.



18 GAUGE	16 GAUGE	14 GAUGE	12 GAUGE
Black	Black	Black	Red
	Blue	Blue	
	Red	Red	

GENERAL PURPOSE PRIMARY WIRE MASTER ASSORTMENT

Part No. 32100
14 spools containing 100' each of the most popular colors and gauges.
Steel rack
Part No. 12057 included.

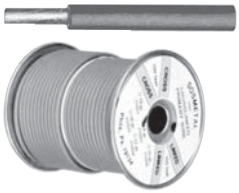


16 GAUGE	14 GAUGE
Black	Black*
Red*	Red*
Blue	Blue
Green	Green
Yellow	Yellow
White	

*** Assortment contains 2 rolls**

SXL CROSS-LINK PRIMARY WIRE

Special purpose automotive wire for use in extreme temperature areas, such as engine compartments.



- Cross-linked polyethelyene insulation.
- Stranded copper conductor wire.
- Withstands temperature extremes of -50° to +350°F without melting or fusing.
- Resistant to moisture, most solvents and acids.

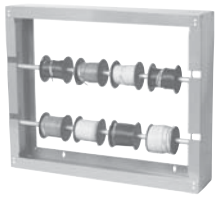
MEETS OR EXCEEDS:
S.A.E. Spec. J1128
Ford M1L 85-A, Chrysler MS-5919 and Packard M-3023

PART NUMBER 100 ft. (Add suffix for color)	GAUGE
310201	18
310202	16
310203	14
310204	12
310205	10

COLORS AVAILABLE: Add suffix to part number when ordering. All gauges except 10 ga. available in Black (use no suffix), Blue (BL), Brown (BR), Green (G), Red (R), White (W), Yellow (Y). 10 ga. available in Black (no suffix), Red (R) and White (W) only.

SXL CROSS-LINK PRIMARY WIRE STARTER ASSORTMENT

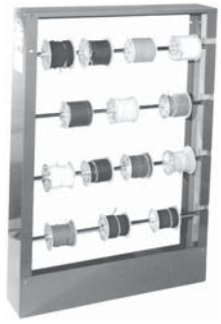
Part No. 310210
8 spools containing 100' each.
Steel rack
Part No. 12002 included.



18 GAUGE	16 GAUGE	14 GAUGE	12 GAUGE
Black	Black	Black	Red
Blue	Blue		
Red	Red		

SXL CROSS-LINK PRIMARY WIRE MASTER ASSORTMENT

Part No. 310200
14 spools containing 100' each of the most popular colors and gauges.
Steel rack
Part No. 12057 included.
1 roll each of the following:



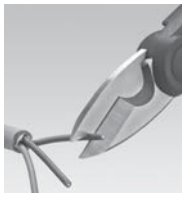
18 GAUGE	16 GAUGE	14 GAUGE
Black	Black	Black
Red	Red	Red
Blue	Blue	
Green	Green	
Yellow	Yellow	
White	White	

ELECTRICIAN SHEARS



Part No. **113502**





PSS091517

- Clean, non-slip cuts.
- Unlimited applications.
- Highest quality stainless steel, 56HRC.
- Professional quality.
- Cutting edge, with integrated cable cutter.
- Includes plastic belt case.

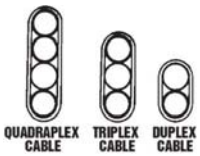
WIRE

JACKETED PLASTIC PRIMARY WIRE

Recommended for automotive, truck, and trailer applications. Sizes 12 and 10 gauge recommended for electric brake wire.

- PVC insulated primary wires laid parallel and covered with gray vinyl jacket.
- Available in two, three and four conductor.
- Resistant to grease, oil, acids, and gasoline.
- For low voltage 12 and 24 volt systems only.
- 100 ft. spools.





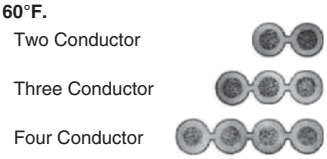
PART NUMBER	GAUGE/CONDUCTORS	CONDUCTOR COLORS
310310	16/2	Black, White
310311	16/3	Black, White, Green
310313	14/2	Black, White
310314	14/3	Black, White, Green
310315	14/4	Black, White, Green, Red
310316	12/2	Black, White
310317	12/3	Black, White, Green
310319	10/2	Black, White
310320	10/3	Black, White, Green

BONDED PARALLEL PRIMARY WIRE

Used extensively for RV's, boat and utility trailers.

- Copper stranded wire with PVC insulation.
- Clear all-weather outer coating on top of insulation.
- Available in two, three, and four conductors.
- Withstands temperatures up to 160°F.
- 100 ft. spools.





PART NUMBER	GAUGE/CONDUCTORS	CONDUCTOR COLORS
310216	16/2	Brown, Red*
310211	16/3	Brown, Green, Yellow
310212	16/4	Brown, Green, White, Yellow
310215	14/2	Brown, Red*
310213	14/3	Brown, Green, Yellow
310214	14/4	Brown, Green, White, Yellow

*** May be Black, Red - Depending on manufacturer.**

LAMP WIRE

Used for alarms, lamps, and light duty wiring.

- Type SPT-1, 300 volt rated.
- Insulation coded for identification.
- Parallel style, also called "Ripcord".
- Available in 250 ft. spools.



PART NUMBER 250 ft. (Add suffix for color)	GAUGE
310221	18/2
310222	16/2

COLORS AVAILABLE:
Add suffix to part number when ordering

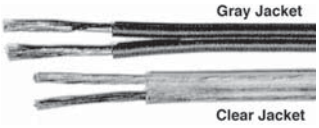
Black	No suffix
Brown	(Br)
White	(W)

SPEAKER WIRE

Used for general audio applications in homes, offices, boats, motor homes, and cars.

- Top grade insulated copper wire.
- Clear jacket (except 310355), coded for polarity identification.
- Available in 100 ft. spools (except 310355, 250 ft. spool).

PART NUMBER 250 ft. (Add suffix for color)	GAUGE/ CONDUCTORS
310355	22/2*
310357	18/2
310358	16/2
310359	14/2
310360	12/2



*** Gray jacket, 250 ft. spool**

UL LISTED PRIMARY WIRE

For use in DOT, Coast Guard and RVI electrical systems, and for internal wiring of appliances and electronic systems when exposed to temperatures not exceeding 221°F.

- Underwriters Lab. listed UL1015 rated at 600 volts.
- Meets Department of Transportation and Coast Guard specification for electrical systems.
- Rated for temperatures up to 221°F (105°C) dry and 167°F wet.
- 100 ft. per spool.



PART NUMBER 100 ft. (Add suffix for color)	GAUGE
310325	18
310326	16
310327	14
310328	12
310329	10

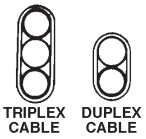
COLORS AVAILABLE:
Add suffix to part number when ordering

Black	No suffix
Green	(G)
Red	(R)
White	(W)

UL LISTED MULTI-CONDUCTOR MARINE CABLE

Used primarily as marine cable for boat and associated equipment wiring.

- Underwriters Lab. listed BG5W2 rated at 600 volts.
- Meets Coast Guard requirements for boat cable.
- Rated for temperatures up to 221°F (105°C) dry and 167°F (75°C) wet.
- Available in two or three conductor.
- White outer jacket.
- 100 ft. per spool.





PART NUMBER	GAUGE/CONDUCTORS	CONDUCTOR COLORS
310343	16/3	Black, Green, White
310344	14/2	Black, White
310345	14/3	Black, Green, White
310346	12/2	Black, White
310347	12/3	Black, Green, White

SERVICE CORD, 300 VOLT, TYPE SJ

Designed for stationary, light duty service.

- UL listed (E7362), OSHA acceptable.
- Black rubber jacket and rubber insulated conductors.
- Temperature rated -35°F (-37°C) to140°F (60°C).
- Available in 250 ft. spool or 100 ft. cut length.



PART NUMBER	GAUGE/CONDUCTORS	CONDUCTOR COLORS
310365	18/3	Black, Green, White
310366	16/3	Black, Green, White
310367	14/3	Black, Green, White
310368	12/3	Black, Green, White

SERVICE CORD, 300 VOLT, TYPE SJO

Designed for heavy duty service, portable tools, small motor, and power extensions.

- UL listed (E7362), OSHA acceptable. Passes MSHA flame test (P136-MSHA).
- Oil resistant black neoprene jacket, rubber insulated conductors.
- Temperature rated -35°F (-37°C) to 194°F (90°C).
- Available in 250 ft. spool or 100 ft. cut length.



PART NUMBER	GAUGE/CONDUCTORS	CONDUCTOR COLORS
310376	16/3	Black, Green, White
310377	14/3	Black, Green, White

WIRE and CABLE

SERVICE CORD, 600 VOLT, TYPE SO

Designed for heavy duty service and heavy loads required by industrial equipment, heavy tools, battery chargers, portable lights and power extensions.

- UL listed (E7362), OSHA acceptable. Passes MSHA flame test (P136-MSHA).
- Temperature rated -35°F (-37°C) to 194°F (90°C).
- Resistant to oil, acid, impact, abrasion, sunlight and flame.
- Available in 250 ft. spool or 100 ft. cut length.



PART NUMBER	GAUGE/CONDUCTORS	CONDUCTOR COLORS
310385	16/3	Black, Green, White
310386	14/3	Black, Green, White
310387	12/3	Black, Green, White
310388	10/3	Black, Green, White

Four conductor available on special order

BATTERY CABLE

- Stranded copper conductor.
- Polyvinyl thermoplastic insulation.
- Use Black for ground (-), Red for positive (+).
- Outer coating resists moisture, weather, acids, and oil.
- Available in 25 ft. rolls.



Welding cable makes excellent H.D. battery cables.
See Section D13 Welding

PART NUMBER BLACK	PART NUMBER RED	GAUGE	STRANDING	OD
33112	**222161**	6	44 x .023	.375
33113	**222162**	4	49 x .021	.375
33105	**222163**	2	84 x .021	.450
33107	**222164**	1	133 x .022	.500
33114	**222165**	1/0	133 x .021	.530
33106	**222166**	2/0	133 x. 020	.590
33117	**222167**	3/0	259 x .022	.650
33118	**222168**	4/0	418 x .024	.740

WELD-FLEX SUPER FLEXIBLE WELDING CABLE

THE FINEST WELDING CABLE AVAILABLE
Excellent for Heavy Duty Battery and Jumper Cables

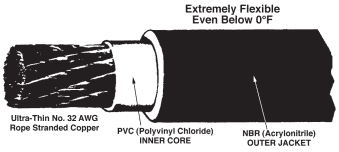
- Rope stranded ultra-thin No. 32 AWG annealed copper wire.
- Conforms to all international specifications.
- High flexibility of conductor and jacket makes handling extremely easy.
- Double cover jacket of PVC inner core, NBR (acrylonitrile rubber) outer jacket exceptionally tough and durable, very resistant to abrasion, oil, heat, ozone, and most solvents.

Actual Dia.

4

2

1/0



Sold by the foot. Custom cut lengths to meet your requirements. Minimum order: 10 feet

PART NUMBER	GAUGE	APPROX. # OF WIRES	CURRENT RATING (AMPS)
310226	4	660	162
310227	2	1050	279
310228	1/0	1670	390

TRAILER LIGHT CABLE

- All weather, heavy-duty cable for truck or trailer lighting.
- Heavy black vinyl insulation.



- Tinned copper color-coded conductors meet ATA spec E1-1950 & most SAE standards.
- Sold in either 50 or 100 foot lengths.

***SPECIFY LENGTH WHEN ORDERING.**

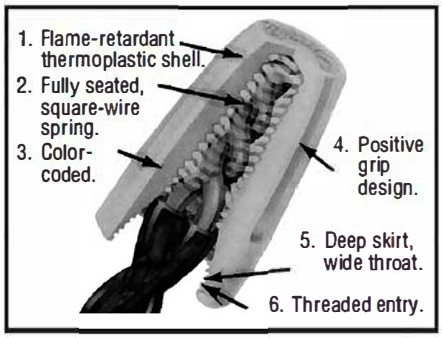
PART NUMBER	GAUGE	CONDUCTORS	STRANDING	OD
32201	14	4	19 x 27	.410
32202	14	6	19 x 27	.500
32204	14	7	19 x 27	.496
32203	12	6	19 x 25	.600
	10	1	19 x 23	.600

COLOR CODE:
4 conductor, Black, White, Brown, Red
6 conductor, Black, White, Brown, Red, Green, Yellow
7 conductor, 10 ga. White; 12 ga., Black, Brown, Red, Green, Yellow, Blue #32203
7 conductor, 14 ga. Red, White, Black, Brown, Yellow, green, Blue #32204

WIRE CONNECTORS

WIRE NUT CONNECTORS

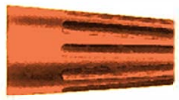
- Flame retardant thermoplastic shell.
- Fully-seated, square wire spring draws the connector completely onto the wires.
- Color coding to industry standards.
- Positive grip design tightens all the way. They back-off easily for repeat usage.
- Wire nuts comply with federal inspection W-S610C, are UL listed (#E5238), and CSA certified (#LR 9706).



PART NUMBER	COMBINATION WIRE RANGE	COLOR	300 VOLT PRESSURE-TYPE WIRE CONNECTOR	600 VOLT PRESSURE-TYPE WIRE CONNECTOR	QTY
210996	No. 22 thru 16 AWG Min. 1 No. 20 & 1 No. 22/Max. 2 No. 16	Gray	✔		25
210986	No. 22 thru 14 AWG Min. 3 No. 20/Max. 3 No. 16	Blue	✔		25
210987	No. 22 thru 14 AWG Min. 3 No. 20/Max. 3 No. 16 & 1 No. 18	Orange	✔	✔	25
210988	No. 18 thru 12 AWG/Min. 1 No. 14 & 1 No. 18 Max. 4 No. 14 & 1 No. 18	Yellow	✔	✔	25
210989	No. 18 thru 10 AWG Min. 2 No. 14/Max. 2 No. 10 & 2 No. 12	Red	✔	✔	25


210996


210986

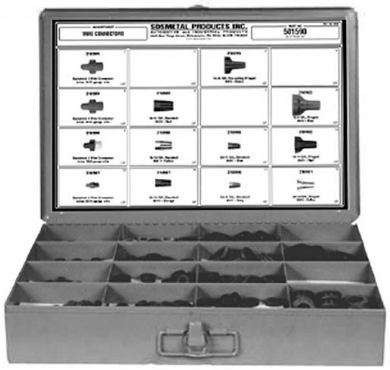

210987


210988


210989

WIRE NUT CONNECTOR ASSORTMENT

- A complete selection of wire nut connectors used by maintenance repair facilities.
- Includes standard square spring connectors, Scotchlok Y, R, G and B connectors, Tru-Lock winged connectors, and the special, winged, through-the-nut, ground connector.



Assortment photo for illustration purposes only. Actual contents may vary.

Part No. 501590
390 pieces • 12 items • 12050 steel tray

210597	210295	210903	210988
210598	210901	210986	210989
210599	210902	210987	210996

Numbers in assortment

DIRECT BURIAL SPLICE KITS

Use to seal out moisture for remote control circuits in low voltage irrigation and landscape lighting systems.

- For two or more conductors.
- Both sizes rated for up to 30 volts.
- Each kit contains two gel filled insulator tubes and two spring connectors.



PART NUMBER	TYPE	CONNECTOR COLOR	WIRE COMBINATION SOLID OR STRANDED COPPER ONLY
210898	DBY	Yellow	Two #18, up to Two #12
210899	DBR	Red	Seven #18, four #12 or three #10

WIRE CONNECTORS

O/B, R/Y and B/G SCOTCHLOK™ 2 WIRE CONNECTORS

- Meets UL max-fil requirements • UL listed for 600V.
- This new type of electrical spring connector combines both the wide range and torque of wing-style connectors with a new flexible skirt that provides over-strip protection without taking additional space in the electrical box.
- Due to the innovative design, 3 connectors can be used for connecting wires from 22 gauge to 6 gauge.
- Because of their increased wire range, just three Scotchlok 2 Connectors handle the work of eight standard connectors.



PART NUMBER	CONNECTOR COLOR	JOINS WIRE COMBINATION
210597	Orange & Blue	Two #22 up to Two #12
210598	Red & Yellow	Two #18 up to Two #8
210599	Blue & Gray	Four #14 up to Five #10

3M Scotchlok™ 2 Full Connector Line

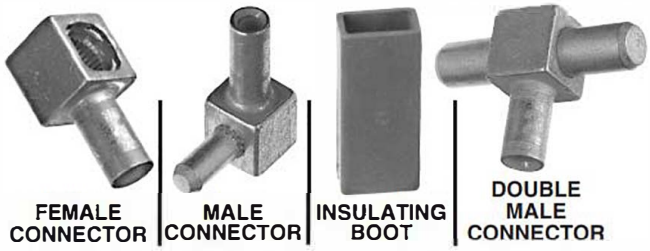
2 #20 2 #16 2 #12 3 #12 4 #12 5 #12 6 #12 5 #10
2 #22 2 #18 2 #14 4 #14 6 #14 3 #10 2 #8 4 #10

O/B
R/Y
B/G

O/B replaces Gray, Blue and Orange wingless connectors.
R/Y replaces Red and Yellow wing style connectors.
B/G replaces Blue or Gray wing style connectors.

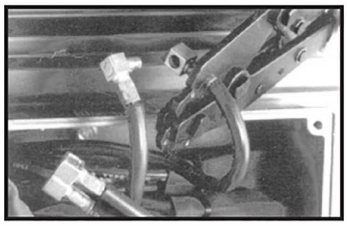
MOTOR PIGTAIL CONNECTORS

Allows quick, reliable change-out of electric motors & transformers.



FEMALE CONNECTOR | MALE CONNECTOR | INSULATING BOOT | DOUBLE MALE CONNECTOR

- Quick connections - eliminates bolting, tapping & loose connections.
- Preshaped, molded insulator boots provide protection - keeps total assembly small enough to fit tight housings.
- Wire range 16-4/0 AWG, 600V capacity, temp. range 90°C.
- Color coded for error free installation.
- Highly conductive copper, tin plated.



2 WIRE HOOK UPS - ONE LINE TO ONE LOAD



WIRE RANGE AWG.	MALE CONNECTOR PART NO.	FEMALE CONNECTOR PART NO.	BODY SIZE*	COLOR CODE	INSULATING BOOT PART NO.	QTY
16 and 14	MD1614M1	MD1614F1	1	Blue	MDBOOT1	5
12 and 10	MD1210M1	MD1210F1	1	Yellow	MDBOOT1	5
12 and 10	MD1210M2	MD1210F2	2	Yellow	MDBOOT2	3
8	MD8M1	MD8F1	1	Red	MDBOOT1	5
8	MD8M2	MD8F2	2	Red	MDBOOT2	3
6	MD6M1	MD6F1	1	Blue	MDBOOT1	5
6	MD6M2	MD6F2	2	Blue	MDBOOT2	3
4	MD4M2	MD4F2	2	Grey	MDBOOT2	3
2	MD2M2	MD2F2	2	Brown	MDBOOT2	3
2	MD2M3	MD2F3	3	Brown	MDBOOT3	3
1	MD1M2	MD1F2	2	Green	MDBOOT2	3
1	MD1M3	MD1F3	3	Green	MDBOOT3	3
1/0	MD10M3	MD10F3	3	Pink	MDBOOT3	3
2/0	MD20M3	MD20F3	3	Black	MDBOOT3	3
3/0	MD30M3	MD30F3	3	Orange	MDBOOT3	3
4/0	MD40M3	MD40F3	3	Purple	MDBOOT3	3

3 WIRE HOOK UPS - ONE LINE TO TWO LOAD



WIRE RANGE AWG.	DOUBLE MALE CONNECTOR PART NO.	FEMALE CONNECTOR PART NO.	BODY SIZE*	COLOR CODE	INSULATING BOOT PART NO.	QTY
12 and 10	M2D1210M1	MD1210F1	1	Yellow	M2DBOOT1	5
8	M2D8M1	MD8F1	1	Red	M2DBOOT1	5
6	M2D6M1	MD6F1	1	Blue	M2DBOOT1	5
12 and 10	M2D1210M2	MD1210F2	2	Yellow	M2DBOOT2	3
8	M2D8M2	MD8F2	2	Red	M2DBOOT2	3
6	M2D6M2	MD6F2	2	Blue	M2DBOOT2	3
4	M2D4M2	MD4F2	2	Grey	M2DBOOT2	3
2	M2D2M2	MD2F2	2	Brown	M2DBOOT2	3
2	M2D2M3	MD2F3	3	Brown	M2DBOOT2	3
1	M2D1M3	MD1F3	3	Green	M2DBOOT2	3
1	M2D1M2	MD1F2	2	Green	M2DBOOT2	3
1/0	M2D10M3	MD10F3	3	Pink	M2DBOOT3	3
2/0	M2D20M3	MD20F3	3	Black	M2DBOOT3	3
3/0	M2D30M3	MD30F3	3	Orange	M2DBOOT3	3
4/0	M2D40M3	MD40F3	3	Purple	M2DBOOT3	3

*Always use the same body size when selecting male and female disconnects. For example, to connect an 8 AWG male to a 2 AWG female, select Cat. numbers MD8M2 AND MD2F2. Note both have a No. 2 body size.
**Always match boot Cat. no. to disconnect body size. For example, the boot for two-wire connector, MD6F2 is Cat. no. MDBOOT2, and the boot for the three-wire connector M2D6M2 is Cat. no. M2DBOOT2.

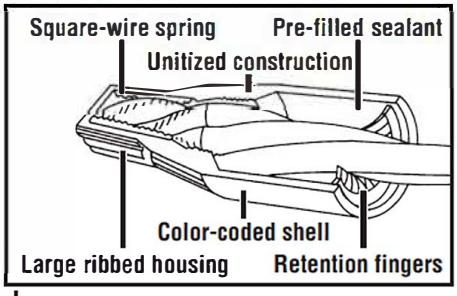
CONNECTORS

DRYCONN™ WATERPROOF CONNECTORS

SPARK-PROOF • CORROSION-PROOF • FLASH-PROOF

Twist-on, silicone filled, safety connectors provide superior protection wherever moisture and humidity could lead to corrosion-caused failure.

- Custom Silicone sealant never sets up. Doesn't freeze or melt. Splices can be tested or modified without cutting them away.
- Simple Fast, safe – No pre-twisting or crimping OE wire necessary. Just insert wires through the moisture-blocking sealant and twist them into the connector.
- Eliminate corrosion before it can start (from dust , water, gas, atmosphere, etc.)
- Lifetime warranty against corrosion caused failure.
- Connectors have a Temperature Rating of 167°F (75°C), and a Sealing Temperature of -45°F to 400°F.
- C.S.A. approved. Includes direct burial as well as pressure-type* applications.



Telecommunications systems; sound systems, thermostats.

COLOR: Grey
MAX. VOLTAGE: 300V
SIZE: 15/16 x 1/2
WIRE COMB.: Cu/Cu
MINIMUM: 3 #22
MAXIMUM: 2 # 16

Part No. 210979* 10

Low-voltage lighting; security systems; doorbells; auto and trailer lighting.

COLOR: Drk Blue
MAX. VOLTAGE: 300V
SIZE: 1-1/8 x 9/16
WIRE COMB.: Cu/Cu
MINIMUM: 3 #20
MAXIMUM: 3 # 16

Part No. 210980* 10



BOTTOM VIEW



Light switches and outlets; outside receptacles and light posts; exhaust fans baseboard heaters; HVAC; floodlights; irrigation.

COLOR: Yellow
MAX. VOLTAGE: 600V†
SIZE: 1-9/16 x 11/16
WIRE COMB.: Cu/Cu
MINIMUM: 4 #18
MAXIMUM: 2 # 12

Part No. 210982* 10

Furnace and refrigerator motors; dishwashers; clothes washers and dryers; washdown areas; junction boxes.

COLOR: Red
MAX. VOLTAGE: 600V†
SIZE: 1-3/4 x 13/16
WIRE COMB.: Cu/Cu
MINIMUM: 2 #14
MAXIMUM: 4 #12

Part No. 210983* 10

Lamp posts; wells, pumps, fountains; site lighting; UF cable in waterproof boxes.

UL® DIRECT BURIAL APPROVED

COLOR: Lt. Blue
MAX. VOLTAGE: 600V†
SIZE: 2 x 13/16
WIRE COMB.: Cu/Cu
MINIMUM: 3 #22
MAXIMUM: 4 #12 or 3 #10

Part No. 210984* 10

Utilities, including power lines, traffic signals, water treatment plants, waste treatment facilities; refineries; electric signs, billboards.

COLOR: Drk Blue
MAX. VOLTAGE: 600V†
SIZE: 2-7/16 x 1-3/8
WIRE COMB.: Cu/Cu
MINIMUM: 2 #10 Sol
MAXIMUM: 2 #6

Part No. 210985* 10

WATERPROOF/SPARKPROOF CONNECTOR ASSORTMENT

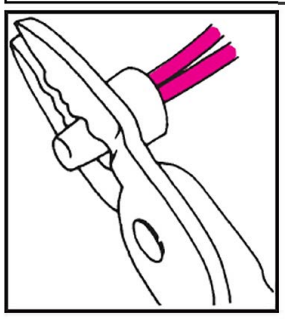
6 items
135 pieces
12061 steel tray
Part No. 501558



* For all models, C.S.A. – Approval includes direct burial as well as pressure-type applications. C.S.A. rating: 194°F (90°C).
† 1,000V in fixtures and signs.

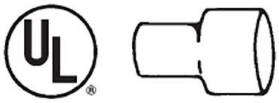
Silicone Filled Waterproof Safety Connectors have had acceptance by contractors, municipalities, OEMs, utilities, and the industrial sector worldwide. Some locations already benefiting from these connectors include ***United Telephone, St. Louis Metropolitan Sewer District, Disneyworld, Miller Brewing, and the city of New York.***

CLOSED END CONNECTORS



Eliminate guesswork when splicing wires. Match connector to wire size and crimp.

- Fast, easy application.
- Use on solid or stranded wire.
- Just four connectors cover all your splicing needs for No. 22 thru 8 AWG wire.
- No exposed metal to cause shorts.
- Cannot vibrate loose or fall off.
- Natural nylon color.



PART NUMBER	WIRE SIZE	QTY
31961	22-18	100
31962	16-14	100
31963	12-10	50
31964	8	25

CONNECTORS

POSI-LOCK™ CONNECTORS

Posi-Lock™ Connectors can splice two or more wires together anywhere without any special tools. You simply strip the wire ends, insert the wire into the Posi-Lock connector, and hand tighten. The wires are locked in place, providing a positive connection every time!





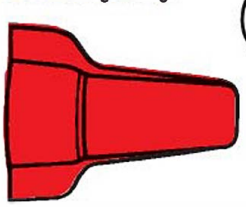
- Quick, easy, reliable connections every time with no special tools.
- Posi-Lock Connector can be easily **disconnected** and **reconnected** over and over.
- **Makes field repairs simple.**
- Temperature rating: 250°C.
- Material: Nylon 6/6 with plated brass insert.

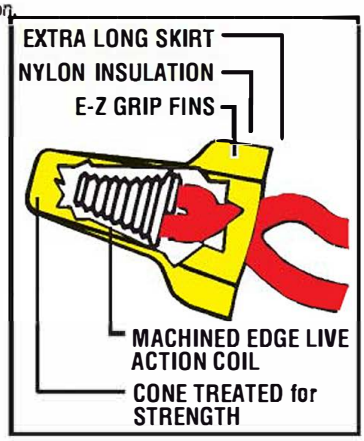
PART NUMBER	WIRE RANGE	MAX. CABLE DIAMETER	MAX. CURRENT RATING	QTY.
210149*	18 - 24 AWG	.128	30 amps	10

* To be discontinued when stock is depleted.

TRU-LOCK WIRE CONNECTORS

- Faster and easier to install than wire nuts – even with greasy hands.
- Safe – Won't pull or vibrate loose.
- Use on stranded or solid wire or combination.
- UL approved.
- 600V voltage rating.

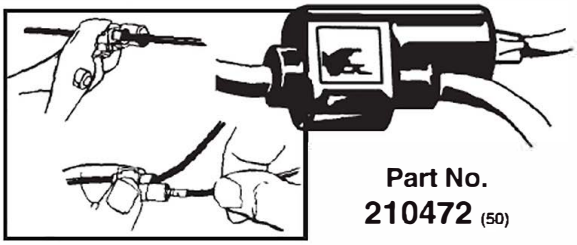




PART NUMBER	WIRE SIZE	COLOR	QTY
210901	22-18	Yellow	100
210902	16-14	Red	100
210903	12-6	Blue	50

BULLET RECEPTACLE CONNECTORS

- Self-stripping.
- 14, 16, 18 gauge wire range.
- Installs with pliers.



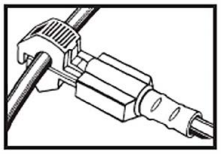
Part No. 210472 (50)

INSULATED MALE SNAP PLUG
Part No. 210434 (100)
ORDER SEPARATELY

1/4" FEMALE QUICK DISCONNECT T-TAP

- Self-stripping - make mid-wire connections without stripping insulation - FAST.
- Mates with standard 1/4" male blade (Part No.'s. 210227, 210275, 210276, 210345, or 210475.)
- No special tools required for installation - common pliers do the job.
- Reduces possible conductor damage - eliminates time consuming splicing.
- Fully insulated - eliminates second step insulating.

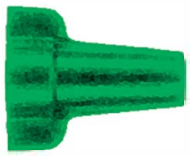




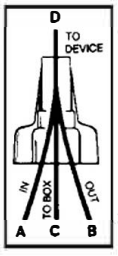
PART NUMBER	WIRE SIZE	COLOR	QTY
210461	22-18	Red	100
210479	18-14	Blue	100
210467	12-10	Yellow	100

GROUNDING CONNECTOR

For making grounding connections and bonding non-metallic sheathed cable.



Typical Example:
A - System grounding wire.
B - System grounding wire.
C - "Through" wire box ground.
D - "Through" wire to device.



Part No. 210295 (100)

- Live-action, square wire spring for easy, strong connections.
- Built-in contoured wings and an extra-tough flame-retardant thermoplastic shell.
- Fully meet intent of N.E.C. and specifically aid in compliance with the following:

Article 250: Grounding
250-74 Connecting receptacle grounding terminal to box.
250-113 To conductors and equipment.
250-114 Continuity and attachment of branch-circuit equipment grounding conductors to boxes. (b) Non-metallic boxes.
Article 550: Outlet, switch and junction boxes and fittings
370-4 Metal boxes.
Article 550: Mobile homes and parks
550-9 Grounding (b) (2) Equipment grounding means.

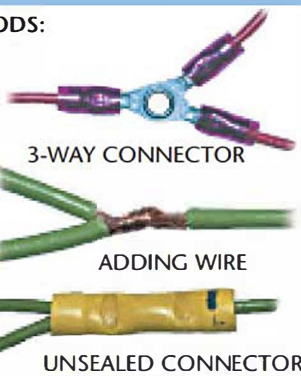
IN-LINE BUTT CONNECTORS
JOIN TWO WIRES TO ONE WIRE...

PROBLEMS:

EXISTING METHODS:

QUICK-TAP





3-WAY CONNECTOR

ADDING WIRE

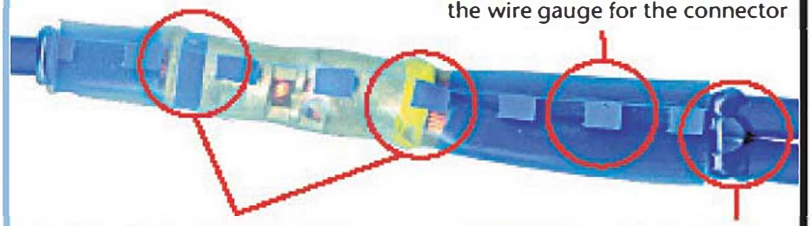
UNSEALED CONNECTOR

SOLUTION:

SEALED MULTIPLE WIRE CONNECTORS:

IN-LINE CONNECTOR

Color dash on tubing indicates the wire gauge for the connector



Color stripes on the connector indicate which crimp die to use

Tubing has an active adhesive that seals between multiple wires

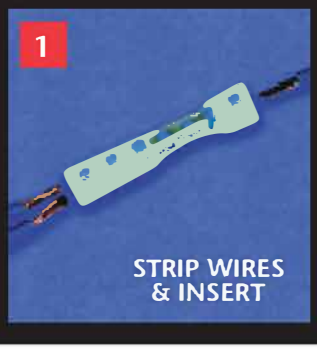


210600 White | **210601** Red | **210602** Blue | **210603** Yellow

BUTT CONNECTORS — ONE WIRE TO TWO WIRES

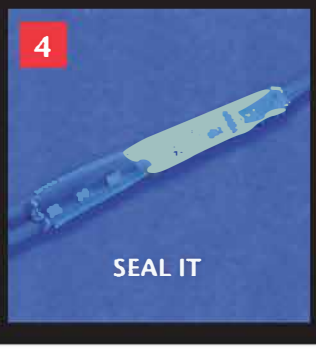
Part Number	Qty	Wire Gauge	Color Stripe Tubing Color	On Connector	Wire	Crimp Die (Insulated)
210600	(25)	24-22 AWG	Clear / White Dashes Side 2: Red	Side 1: White Two 24-22 AWG	One 24-22 AWG Red (20-18 AWG)	White (24-22 AWG)
210601	(25)	20-18 AWG	Clear / Red Dashes Side 2: Blue	Side 1: Red Two 20-18 AWG	One 20-18 AWG Blue (16-14 AWG)	Red (20-18 AWG)
210602	(25)	16-14 AWG	Clear / Blue Dashes Side 2: Yellow	Side 1: Blue Two 16-14 AWG	One 16-14 AWG Yellow (12-10 AWG)	Blue (16-14 AWG)
210603	(25)	12-10 AWG	Clear / Yellow Dashes Side 2: Red	Side 1: Yellow Two 12-10 AWG	One 12-10 AWG Red (8 AWG)	Yellow (12-10 AWG)

EASY TO INSTALL









IN-LINE BUTT CONNECTOR INSTRUCTIONS:

1. For side of connector where two wires will be inserted, strip wires 5/8".
2. Select a connector that matches the wire gauge (see chart above) and insert the two wires into the larger side of the connector.
3. Make sure that both wires are properly seated and crimp the connector using an insulated connector crimping tool nest that matches the color stripe on the larger side of the connector barrel.
4. For the side of the connector where one wire will be inserted, strip wire 5/16".
5. Insert the wire into the smaller side of the connector, make sure the wire is properly seated and crimp the connector using an insulated connector crimping tool nest that matches the color stripe on the smaller side of the connector barrel.
6. Apply heat evenly around the length of the tubing (including the crimp area) from the center out to the ends until the tubing fully recovers and the adhesive flows. During the heating process, separate the two wires in the larger end of the connector to allow the adhesive to flow in between the wires.
7. Remove from the heat and let cool.

CONNECTORS

CLOSED-END CONNECTORS
JOIN TWO TO FOUR WIRES...

PROBLEMS:

EXISTING METHODS:



WIRE NUT

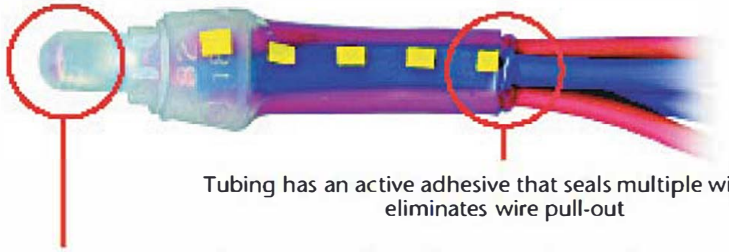


END-CAP

SOLUTION:

SEALED MULTIPLE WIRE CONNECTORS:

CLOSED-END CONNECTOR



Tubing has an active adhesive that seals multiple wires and eliminates wire pull-out

Closed-end connectors are crimped here. In environments where corrosion and/or vibration are a problem, the closed-end connector can be used to replace wire nuts.



210675
Blue



210676
Yellow

CLOSED-END CONNECTORS — UP TO FOUR WIRES

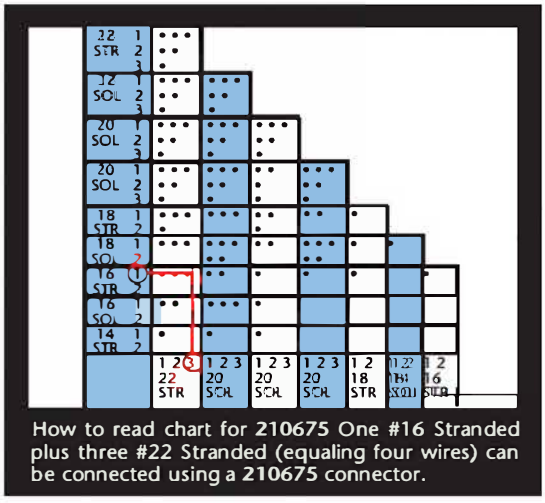
Part Number	Qty	Connector Wire Gauge	Tubing Color
210675	(50)	22-14 AWG	Clear / Blue Dashes
210676	(50)	18-10 AWG	Clear / Yellow Dashes

CLOSED-END CONNECTOR INSTRUCTIONS:

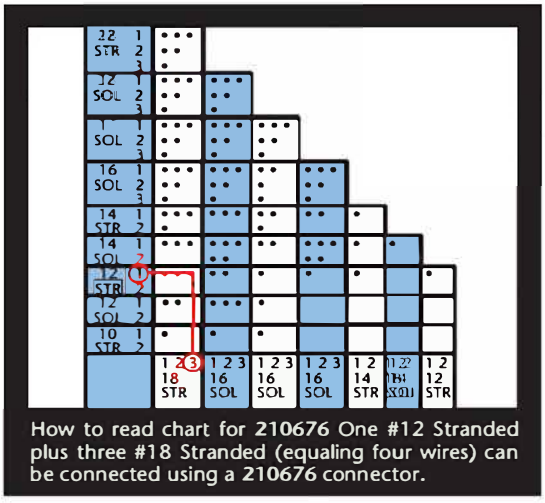
1. Using the chart below, select the proper size of connector for the wires to be joined. A maximum of four wires may be connected.
2. Strip each wire 5/8".
3. Insert all wires into the connector, make sure that each wire is properly seated and crimp the connector using an insulated connector crimping nest that matches the color dash on the heat shrink tubing.
4. Apply heat evenly to the tubing until the tubing fully recovers and the adhesive flows. DO NOT heat the crimp area since this will burn the plastic portion of the connector. During the heating process, separate the wires to allow the adhesive to flow in between the wires.
5. Remove from the heat and let cool.

For best results, use a heat device of at least 400°F. When using an open flame, do not isolate the flame on one area of tubing. Distribute the heat evenly. Overheating the connector may cause damage to the tubing.

Rating: 105°C • 600V maximum building wire • 1000V maximum in signs and fixtures • To be sold only with installation instructions • Not for use with multiple power sources.



How to read chart for **210675** One #16 Stranded plus three #22 Stranded (equaling four wires) can be connected using a **210675** connector.



How to read chart for **210676** One #12 Stranded plus three #18 Stranded (equaling four wires) can be connected using a **210676** connector.

CONNECTORS

COOL SEAL BUTT CONNECTORS

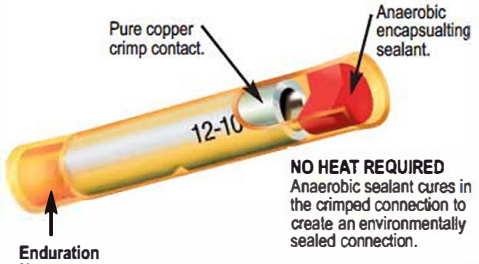
A heat-less, solderless connector, it utilizes revolutionary anaerobic sealant technology that installs in a fraction of the time of comparable connectors.

- **Strip & Crimp - It Seals Itself**
  Just strip the wire, insert it into the connector & crimp. This activates the anaerobic sealant to create an environmentally sealed connection.
- **Unique Anaerobic Encapsulation**
  Anaerobic sealant cures in the absence of oxygen. When the connection is crimped, oxygen is removed from the connector creating a moisture proof connection.
- **No Heat Required**
  Eliminates the need for heat guns or torches.
- **Fast Installation**
  Installs in a fraction of the time of comparable heat shrink terminals.
- **Superior Sealed Connections**
  Innovative new sealant prevents entry of air and contaminants, while the nylon insulations provide maximum abrasion and puncture resistance.
- **Superior Conductivity**
  With corrosion effectively sealed out, the seamless 99.9% copper connector offers optimal electrical conductivity.

RELATED PRODUCT

Installs with any of these crimpers

PART NUMBER
11363
11384
11386
18900



NO HEAT REQUIRED
Anaerobic sealant cures in the crimped connection to create an environmentally sealed connection.

PART NUMBER	WIRE SIZE	QTY
210111	22-18	50
210112	16-14	50
210113	12-10	50



ASSORTMENT AVAILABLE

- Contains all three sizes of our Cool Seal Butt Connectors along with three different sizes of popular cable ties.

Part No. 210100
375 pieces • 6 items
12042 plastic tray

210111	210113	210951
210112	210941	210957

Numbers in assortment

SPECIALTY BUTT CONNECTOR ASSORTMENT

All unique problem solvers together in one kit.
For Applications where you need to connect wires of different sizes or one wire to two wires.

- Contains Shrink 'N Seal, In-Line and Closed End connectors.
- Seals out moisture, dirt and corrosion.
- Prevents pull out of faulty electrical connections.
- Space for growth or storage.



Part No. 501794
146 pieces • 10 items
12056 steel tray

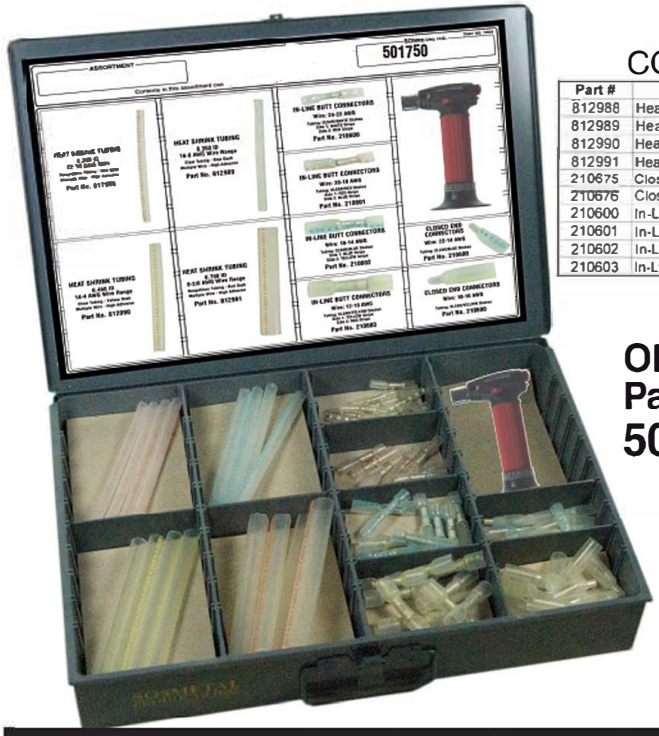
210538	210541	210602	210676
210539	210600	210603	
210540	210601	210675	

Numbers in assortment



SEAL YOUR CONNECTIONS WITH MULTI-WIRE CONNECTORS

NEW ASSORTMENT AVAILABLE!



CONTENTS

Part #	Description	Qty
812988	Heat Shrink Tubing 6" 22-10	4
812989	Heat Shrink Tubing 6" 16-8	4
812990	Heat Shrink Tubing 6" 14-4	4
812991	Heat Shrink Tubing 6" 8-2/0	4
210675	Closed End Connector 22-14	10
210676	Closed End Connector 18-10	10
210600	In-Line Butt Connector 24-22	10
210601	In-Line Butt Connector 20-18	10
210602	In-Line Butt Connector 16-14	10
210603	In-Line Butt Connector 12-10	10

ORDER Part No. 501750

LIMITED TIME ONLY!

FREE SUPER BLASTER TORCH



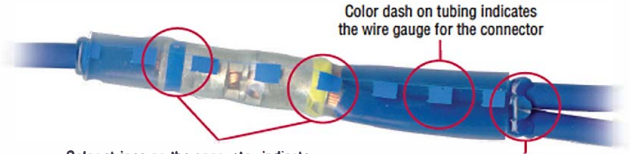
With the purchase of 501750 Multi-Wire Shrink Connect Assortment

- Self Igniting • Refillable
- Hand held or table top

A $40.00 VALUE!

Protect your wires from Corrosion, Contaminants and Current Leakage

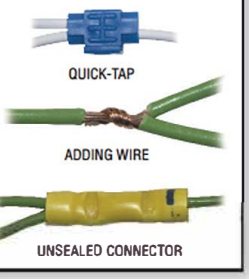
IN-LINE BUTT CONNECTORS JOIN TWO WIRES TO ONE WIRE ...





210600 WHITE	210601 RED	210602 BLUE	210603 YELLOW

REPLACES EXISTING METHODS:



CLOSED-END CONNECTORS JOIN TWO TO FOUR WIRES ...

Closed-end connectors are crimped here.

In environments where corrosion and/or vibration are a problem, the closed-end connector can be used to replace wire nuts and other similar connectors.



210675 BLUE	210676 YELLOW

Tubing has an active adhesive that seals multiple wires and eliminates wire pull-out

HIGH ADHESIVE FLOW TUBING - The Most Versatile Heat Shrink Tubing on the Market!



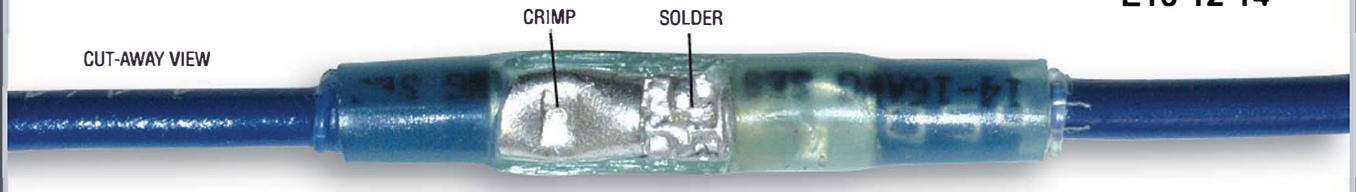
SMP081109.E12-4D

Single Wire Sealed Electrical Terminals



MULTILINK TERMINALS – 80% STRONGER THAN PVC

CATALOG PG
E10-12-14

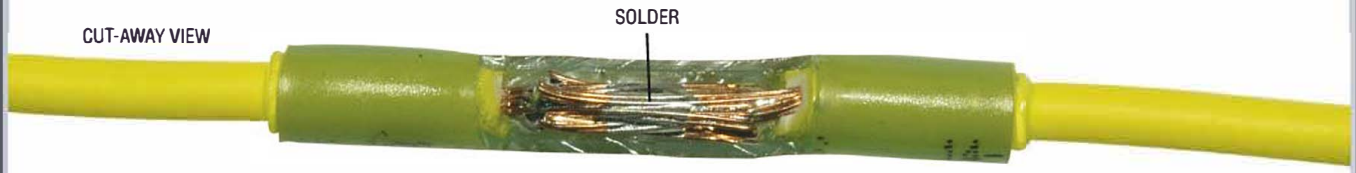


FEATURES & BENEFITS

Stops wire corrosion • Maximum Current Flow - Idea for LED's • Crimping holds wire in place and provides mechanical reliability • Ultimate Strength

SOLDER 'N SEAL TERMINALS – 75% STRONGER THAN PVC

CATALOG PG
E10-9-11



FEATURES AND BENEFITS

Stops wire corrosion • Maximum current flow - Ideal for LED's • Superior conductivity

SHRINK 'N SEAL TERMINALS – 50% STRONGER THAN PVC

CATALOG PG
E10-19-22



FEATURES & BENEFITS

Stops wire Corrosion • Seamless butt connectors • Brazed seam - rings & spades • Watertight connection



SMP081109.E12-4E

MULTI-WIRE IN-LINE BUTT CONNECTORS

PROBLEM

SOLUTION



Quick-Taps



The In-line butt connector is the solution for problems that can result from the use of quick-taps.

- Inferior Termination
- Unsealed Connection
- Temporary Repair

Sealed Multiple Wire Connector

IN-LINE BUTT CONNECTOR



- Joins 2 Wires to 1 Wire
- Add Accessory to Existing Circuit (Join Existing Wire to a New Wire)
- Seals Termination & Provides Permanent Repair

TRAILER WIRING & HITCHES • AUTOMOTIVE • STEREO ...

Part No. 210600 – 24-22 AWG
Part No. 210601 – 20-18 AWG
Part No. 210602 – 16-14 AWG
Part No. 210603 – 12-10 AWG

INFO081109.E12-4F

CONNECTORS

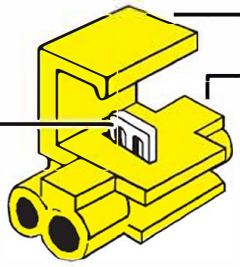
INSTANT AUTO-ELECTRICAL CONNECTORS

NO STRIP, NO TWIST, JUST SQUEEZE • MAKES TAP, IN-LINE AND PIGTAIL SPLICES FAST AND EASY.

SELF-STRIPPING
"U" element does the work of stripping and soldering – assures electrical conductivity.

RESILIENT ACTION
Provides firm holding power.

UNIFORM CONDUCTOR
Contact area provides dependable service.



INTEGRAL FLIP TOP
Snap-over cover for full insulation.

PRE-INSULATED
Won't chip, dry out or crack.

PART NUMBER	WIRE SIZE	COLOR	QTY
210468	22-18	Red	100
210471	18-14	Blue	100
210481*	18-14	White	100
210474	12-10	Yellow	100
210480†	18-14	Brown	100

* 210481 Does not have internal stop allows for double taps (2 add-on circuits).

† 210480, 18-14 Tapline from 12-10 feed line.

SCOTCHLOK WIRE CONNECTOR ASSORTMENT

Part No. 501591
236 pieces • 14 items • 12050 steel tray

210461	210471	210479	210482	210599
210467	210472	210480	210597	615245
210468	210474	210481	210598	

Numbers in assortment



Assortment photo for illustration purposes only. Actual contents may vary.

ELECTRICAL QUICK CONNECT ASSORTMENT

INSTANT CONNECTORS • T-TAPS • QUICK DISCONNECTS

- A complete variety of Quick Connectors in one kit.
- Small enough to carry with you anywhere you need a quick connection.
- Complete coverage for wire sizes 10 thru 22.
- UL listed for 300 volts on tap splices.
- No special tools required, pliers do the job.
- Color coded for easy identification.

Part No. 210016
71 pieces • 11 items
12030 plastic tray

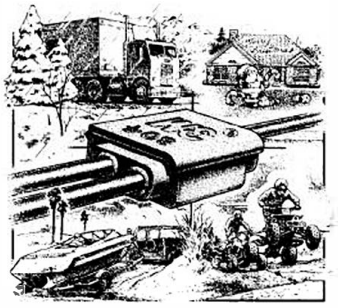
210275	210468	210479
210276	210471	210480
210461	210474	210481
210467	210476	

Numbers in assortment



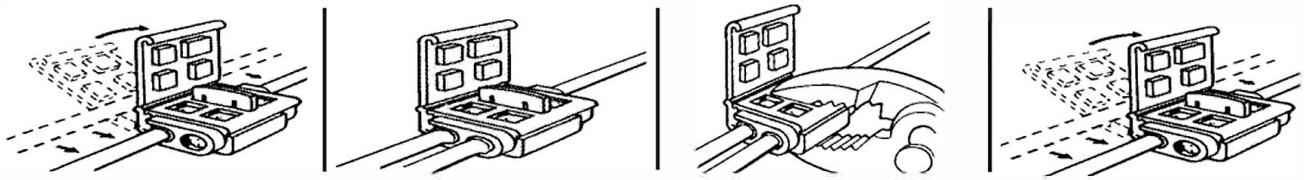
SCOTCHLOK™ 804 MOISTURE-RESISTANT TAP CONNECTOR

- **Easier, Faster**
  The Scotchlok 804 connector from 3M makes connections easier and faster. No cutting or stripping is required. Just insert the run wire, insert the tap wire, crimp the element and close the cap. Taping is not necessary to protect the connection.
- **Longer Lasting**
  The patented application system forces protective gel around the wire and element, providing a moisture-resistant barrier to destructive substances such as salt water and other corrosive environments.
- **Stronger, More Reliable**
  The Scotchlok 804 withstands continuous operating temperatures of –40°C to 75°C (–40°F to 167°F). It can be installed in temperatures as low as –18°C (0°0F). And the special locking feature of the cap insures a protected connection over time.
- **Wire Sizes**
  18-16 stranded, solid / 14 stranded



Part No. 210482 (50)

Applications: The 804 connector can be used in making tap connections for trucks, cars, recreational vehicles, snowmobiles, motorcycles, boats, trailers and off-road equipment. The same benefits can also be achieved for outdoor lighting and landscaping.



1. Open hinged side wall. Place unstripped run wire inside run channel and close hinged side wall.
2. Insert unstripped tap wire completely into tap port.
3. Hold tool perpendicular to the wire and make the connection by crimping the u-contact down flush with the top of the insulator.
4. Close cover until securely latched.

CONNECTORS / TAPE

NYLON LIQUID TIGHT STRAIN RELIEF CORD CONNECTORS



Standard Type



Flex Type

PART NUMBER	DIAMETER RANGE	MOUNTING HOLE CLEARANCE	MAXIMUM OVERALL LENGTH	SIZE (INCHES)	QTY.
STANDARD TYPE					
210891	.157 - .314	.561	1.692	3/8	2
210892	.236 - .472	.825	1.734	1/2	2
210893	.511 - .708	1.050	1.969	3/4	1
210894	.709 - 1.024	1.303	2.283	1	1
FLEX TYPE					
210895	.157 - .314	.561	3.282	3/8	2
210896	.236 - .472	.825	4.135	1/2	1
210897	.511 - .708	1.050	5.333	3/4	1

The standard type is used primarily for stationary equipment, appliances and machinery. The flex type provides extended support for tools, moving machinery and similar equipment.

- Optimum seal.
- Unique design.
- Vibration proof protection.
- **internationally approved:** UL #E79903, CSA #LR50370-10, VDE #57986, SEV #100989. Protection up to 70 PSI.
- **Working temperature:** -22°F (-30°C) to 212°F (80°C) for short periods of time.
- **Seal:** IP68 comparable to NEMA. 6 classification. Dust protection.
- **Resistant to:** salt water, weak acids, weak alkalis, alcohol, ester, ketones, ether, benzine, gas, mineral oil, animal and vegetable oils, gasoline, oil, grease, and common solvents.

SELF-STRIPPING ELECTRICAL PIGTAIL CONNECTORS

Self-stripping connectors for making 2 or 3 wire pigtail connections with a wire range of 22 – 14 gauge.



- Insert 2 or 3 unstripped wires completely into the connector.
- Hold a crimping tool perpendicular to the wires and make the connection by driving the cap down.
- UL & CSA listed for use to 600V maximum.
- Available with or without non-corrosive sealant for moisture protection.

PART NO.	DESCRIPTION	QTY
210490	Without Sealant	12
210491	With Sealant	12

3M SCOTCHLOK COMMUNICATIONS CONNECTORS

For Telephone, Intercom, Computer Link and Communications Systems.

- No stripping of insulation.
- Insert wires and press with pliers. Installation complete.
- Moisture and corrosion proof.
- For solid 19-26 AWG Copper Wire.



Part No. 210492 (50)
"UR" Style (RED) 2 or 3 wire Butt Connector
Handles 19 – 26 AWG solid copper wire. Use to cut into service in ready-access cases, pedestal mounts and for pigtail joints on cable splices. Three-port construction makes them a perfect connector for general splicing and tapping. Maximum insulation size, O.D. of .066".



Part No. 210493 (50)
"UY" Style (YELLOW) 2 wire Butt Connector
Accepts two 22 – 26 AWG solid copper conductor wires. UY connectors are small and compact, with two ports designed for straight splicing. Maximum insulation size, O.D. of .060".

LINERLESS SPLICING TAPE

Self-bonding — Fuses into a solid insulation within 24 hrs of application.

- Replaces heat shrink tubing.
- No heat guns or open flames needed.
- Retains seal in temperature ranging from- 50°F to + 300°F.
- Unaffected by salt spray and common automotive fluids.



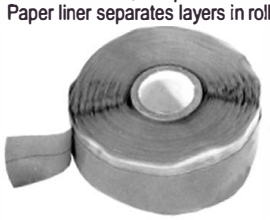
DIMENSION	PART NUMBER	3M NUMBER
3/4 x 15 ft	812210	2242
1-1/2 x 15 ft	812211	2242



SELF-FUSING SILICONE TAPE

STRETCH AND SEAL self-fusing silicone tape protects critical connections.

- Waterproof seal insulates against corrosion, shock and vibration.
- Conforms to any size to protect, insulate or mask.
- No adhesives, self-vulcanizing; fuses to itself.
- No heat needed; inseparable after 24 hrs. at room temperature.
- Paper liner separates layers in roll.



Part No. 812204
1" x .020" x 36' roll
Color: Red

Operating temperature -50°F to +392°F continuous, - 85°F to + 500°F intermittent. Dielectric strength: 400 volts.

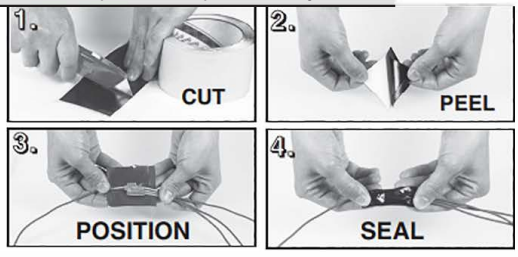
E-Z SEAL DIELECTRIC COMPOUND TAPE

Specially formulated compound that seals, insulates, weatherproofs and protects any surface.



- Seals tightly from -30° below zero to +150°F.
- Tough vinyl backing stops sagging on vertical applications.
- Unaffected by UV rays, sunlight, water, salt, oil, grease, or battery acid. (ASTM D-543)
- Self adhesive, sticks to any surface.
- Paintable.
- Dielectric strength exceeds 16KV (ASTM D-10000).
- Will not shrink or crack, stays permanently flexible.

Part No. 812218 1 roll • 2-1/2" x 10ft.



WIRE MARKERS / SHRINK TUBING

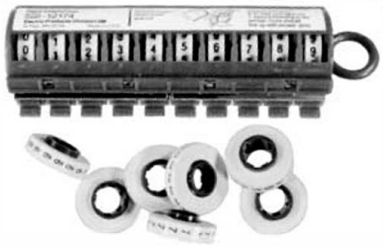
WIRE MARKERS

Compact, convenient and refillable tape dispenser.

- Fast, convenient dispenser for marking wire, cable, tubing, vacuum hose, etc.
- Easy to carry in pocket or tool box.
- Refillable compartments let you choose the exact number combinations needed.

– REPLACEMENT WIRE MARKER TAPE –

PART NUMBER	NUMBER PRINTED ON ROLL	PART NUMBER	NUMBER PRINTED ON ROLL
300100	0	300105	5
300101	1	300106	6
300102	2	300107	7
300103	3	300108	8
300104	4	300109	9



Part No. 300110
Dispenser filled with No.'s 0 – 9

E12

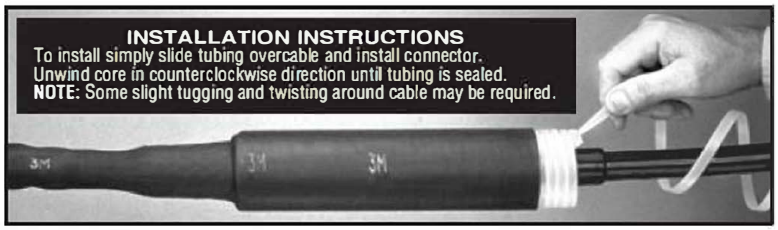
COLD SHRINK TUBING

3M Cold Shrink technology uses Cold Shrink connector insulators - a series of open-faced tubular EPDM rubber sleeves which are factory expanded and assembled onto a removable core. They're supplied for field installation in the pre-stretched condition. Once positioned, the core is simply removed, allowing the tube to shrink and form a safe, uniform water-resistant seal without torches or special tools. Provides superior electrical and temperature stability.

Used in auto, fleet, marine, and industrial applications.

- Primary insulation for all solid copper and aluminum wire.
- Direct bury or submersible applications.
- Meets the water seal requirements of ANSI C119.1
- Protection and sealing for spacer cable and connections to bus bar.
- For use up to 1000 volts.
- Simple installation - **no torches or heat required.**
- Seals tight, retains its pressure even after years of exposure.
- Resists fungus, ozone, acids, and ultraviolet light.
- Made of tough durable EPDM rubber; able to withstand rugged abrasive applications.





PART NUMBER	CABLE SIZE	CABLE RANGE	LENGTH RELAXED
812168	10-4	.10" - .39"	8"
812169	2-1/0	.39" - .70"	8"
812170	2/0-250	.51" - 1.00"	9"
812171	2/0-250	.51" - 1.00"	11"

ASSORTMENT FOR UNI-SEAL, DUAL WALL HEAT SHRINK TUBING W/SEALER

This flexible adhesive tubing has a shrink ratio of 3:1 and meets MIL-SPEC AMS-DTL-23053/4 Class 3

Part No. 501752 (Black)
46 pieces • 7 items
12090 steel tray

412227	812142P	812145P
812140P	812143P	812146P
812141P	812144P	

Numbers in assortment

- Our **Dual Wall Heat Shrink Tubing with Sealant** is a polyolefin tubing used for a wide variety of applications including automotive, truck & marine harnesses.
- The dual wall tubing provides environmental and flame retardant protection for electrical and electronic connections. It is non-corrosive, fungus resistant and maintains an excellent fluid resistance. The inner wall melts when heated to create a moisture-proof seal while the outer wall shrinks to form a tough rigid covering.
- 6 inch lengths of each size.
- Includes **Super Blaster Torch, Part No. 412227** (found on page D13-11)



Part No. 501753 (Red)
46 pieces • 7 items
12090 steel tray

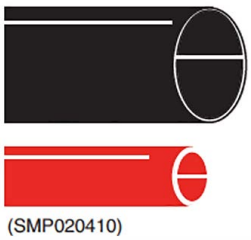
412227	812142RP	812145RP
812140RP	812143RP	812146RP
812141RP	812144RP	

Numbers in assortment

Part No. 501754 (Combo)
46 pieces • 7 items
12090 steel tray

412227	812141P	812142RP	812144P	812145RP
812140P	812141RP	812143P	812144RP	812146P
812140RP	812142P	812143RP	812145P	

Numbers in assortment



(SMP020410)

HEAT SHRINK TUBING

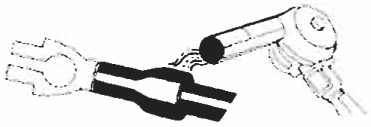
HEAT SHRINK SPECIFICATIONS

A variety of types of heat shrink tubing and related accessories are available. Tubing types available include Heavy wall , Dual wall, Multiple wall and Thin wall. We have provided the following specifications to assist in determining which tubing is best for your application.

	HEAVY WALL	DUAL WALL	MULTIPLE WALL	THIN WALL
UL	UL 486 B& D	–	FILE E-157227	UL recognized
MIL Spec	MIL-1-23053/15	MIL-1-23053/4	MIL-I-23053/4, Class 1	MIL-1-23053/15
CSA	Meets C22.2 No. 198.1	–	N/A	Meets C22.2 No. 198.2
Continuous Operating Temp.	-55°C to 125°C	-55°C to 110°C	-55°C to 110°C	-55°C to 135°C
Minimum Shrink Temp.	120°C	120°C	135°C	100°C
Tensile Strength	1542 psi	2600 psi	2200 psi	1500 psi
Heat Shock	24 hrs. @ 225°C	168 hrs. @ 250°C	4 hrs. @ 250°C	4 hrs. @ 250°C
Elongation	425%	450%	400%	200%
Low Temperature Flexibility	4 hrs. @ -55°C	4 hrs. @ -55°C	4 hrs. @ -55°C	4 hrs. @ -55°C
Longitudinal Change	10% Max, <5% Typical	<10%	<5%	<5%
Secant Modules	18,000 psi	16,000 psi	(2%) 27,000 psi	12,000 psi
Flame Retarded	Yes	Jacket Only	No	Yes
Dielectric Strength	700 Volts/MIL	1000 Volts/MIL	900 Volts/MIL	500 Volts/MIL
Volume Resistivity	6 x 10^{15} OHM/CM	10^{16} OHM/CM	10^{15} OHM/CM	10^{14} OHM/CM
Corrosion Resistance	Non-Corrosive	Non-Corrosive	Non-Corrosive	Non-Corrosive
Fungus Resistance	Non-Nutrient	Non-Nutrient	Non-Nutrient	Non-Nutrient
Fluid Resistance	Excellent	Excellent	<0.1%	Excellent

FR GRADE HEAVY WALL, HEAT SHRINK TUBING WITH SEALER

- Flame retardant (FR) grade meets requirements in many areas of transportation industry.
- 3 to 1 shrink ratio. One tube diameter can cover several wire diameters.
- White adhesive liner melts to form total contact with underlying surfaces and voids creating a watertight seal suitable for above and underground applications.



PART NO.	WIRE RANGE	EXPANDED I.D. (INCHES)	SHRUNK I.D. (INCHES)	COLOR	LENGTH (INCHES)	QTY
322142*	18-14	.300	.100	Black	6	2
322143*	18-14	.300	.100	Red	6	2
322144*	14-6	.400	.150	Black	6	2
322145*	14-6	.400	.150	Red	6	2
322146*	8-1	.750	.220	Black	6	2
322147*	8-1	.750	.220	Red	6	2
322150	8-1	.750	.220	Black	2	6
322151	8-1	.750	.220	Red	2	6
322148*	2-4/0	1.100	.375	Black	6	2
322149*	2-4/0	1.100	.375	Red	6	2
322152	2-4/0	1.100	.375	Black	2	6
322153	2-4/0	1.100	.375	Red	2	6



* Contained in Assortment

FOR HEAT GUNS SEE SECTION D11, HAND TOOLS

STEEL TRAY ASSORTMENT
Part No. 501648
28 pieces
8 sizes
12090 steel tray

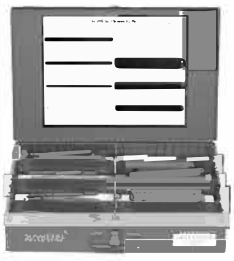
UNI-SEAL, DUAL WALL, HEAT SHRINK TUBING WITH SEALER

- 2 to 1 shrink ratio.
- Crosslinked polyolefin, dual wall.
- Inner wall melts when heated to create moisture-proof seal.
- Outer wall shrinks to form a tough, rigid covering.
- Available in 6" precut pieces, or 48" standard lengths in red and black.

6 INCH PIECES 2 PER PACK PART NO.	4 FOOT LENGTHS 2 PER PACK PART NO.	WIRE RANGE	EXPANDED I.D. (INCHES)	SHRUNK I.D. (INCHES)	COLOR
812140P	812140L	30-18	1/8 (.125)	.063	Black
812140RP	812140RL	30-18	1/8 (.125)	.063	Red
812141P	812141L	20-14	3/16 (.187)	.094	Black
812141RP	812141RL	20-14	3/16 (.187)	.094	Red
812142P	812142L	18-10	1/4 (.250)	.125	Black
812142RP	812142RL	18-10	1/4 (.250)	.125	Red
812144P	812144L	12-6	3/8 (.375)	.188	Black
812144RP	812144RL	12-6	3/8 (.375)	.188	Red
812143P	812143L	8-4	1/2 (.500)	.250	Black
812143RP	812143RL	8-4	1/2 (.500)	.250	Red
812145P	812145L	4-2/0	3/4 (.750)	.375	Black
812145RP	812145RL	4-2/0	3/4 (.750)	.375	Red
812146P	812146L	2/0-4/0	1 (1.00)	.500	Black
812146RP	812146RL	2/0-4/0	1 (1.00)	.500	Red

6 inch lengths of all sizes contained in both assortments, 501511 and 812010 (Black only).

NOW AVAILABLE IN RED



STEEL TRAY ASSORTMENT
Part No. 501511
46 pieces (Black)
7 sizes
12090 steel tray

PLASTIC TRAY ASSORTMENT
Part No. 812010
26 pieces (Black)
7 sizes
12047 plastic tray

HEAT SHRINK TUBING

ASSORTMENT FOR MOISTURE PROOFING MULTI-WIRE CONNECTIONS

Protect your multiple wire connections from Corrosion, Contaminants & Current Leakage with our new assortment.

- This assortment contains **In-Line Butt Connectors** (cat. pg. E12-4A), **Closed -End Connectors** (cat. Pg. E12-4B) and **Multiple Wire High Adhesive Heat Shrink Tubing** (cat. Pg. E12-8A). All three products are for use in multiple wire situations.
- Multi-wire heat shrink tubing is different than the regular heat shrink tubing. This has a high-flow sealant that allows it to get in the spaces between the multiple wires an completely seal the connection. Regular tubing will only seal the outer perimeter of multiple wires, allowing moisture and other contaminants to work their way into the connection through the small spaces between the wires.
- Includes torch with butane for a handy heat source.

Part No. 501750
85 pieces • 11 items
12051 steel tray

210600	210603	412227	812990
210601	210675	812988	812991
210602	210676	812989	

Numbers in assortment



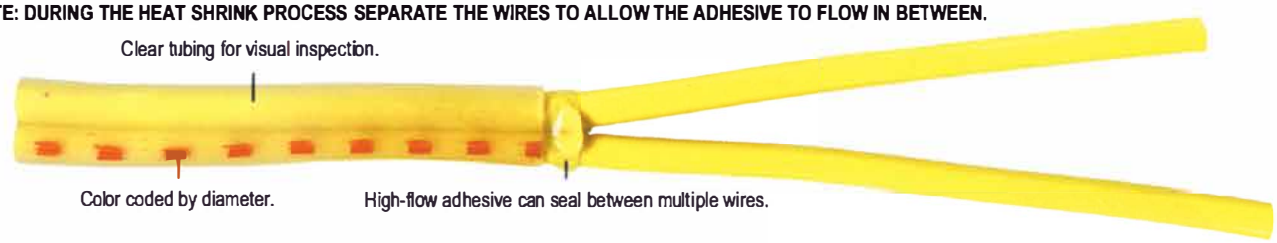
E12

MULTIPLE WIRE HIGH ADHESIVE - HEAT SHRINK TUBING

Adhesive-lined heat shrink tubing provides the best protection for electrical terminations for primary wire and battery cables that are subjected to extreme conditions. Provides an adhesive barrier which protects electrical components from calcium chlorides, sodium chlorides, magnesium chlorides, abrasion, vibration, and other environmental contaminants.

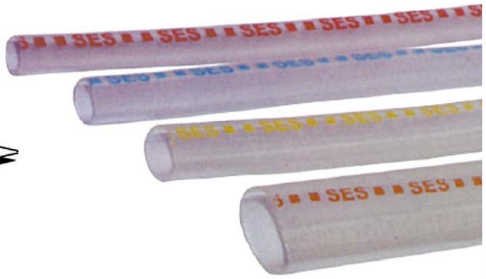
- 4 to 1 heat shrink ratio.
- Polyolefin tubing.
- Specically designed for sealing multiple wires.
- Provides superior strain relief.
- Chrysler specs MS-DB56 CAN 3686.
- Ford specs ESB-M97D56A1.

NOTE: DURING THE HEAT SHRINK PROCESS SEPARATE THE WIRES TO ALLOW THE ADHESIVE TO FLOW IN BETWEEN.



SPECIFICATIONS	HIGH ADHESIVE
UL	–
MIL Spec	–
CSA	–
Continuous Operating Temp.	-55°C to 110°C
Minimum Shrink Temp.	121°C
Tensile Strength	2450 psi
Heat Shock	–
Elongation	475%
Low Temperature Flexibility	4 hrs. @ -30°C
Longitudinal Change	<10%
Secant Modules	(2%) 16,500 psi
Flame Retarded	No
Dielectric Strength	500 Volts/MIL
Volume Resistivity	10^{14} OHM/CM
Corrosion Resistance	Non-Corrosive
Fungus Resistance	Non-Nutrient
Fluid Resistance	Good

PUNCTURE RESISTANT • CLEAR HEAT SHRINK TUBING



PART NO.	PRE- SHRINK I.D. (INCHES)	REC I.D. (INCHES)	WIRE RANGE	COLOR/ COLOR DASH	LENGTH	QTY
812987	0.220	0.045	24-12 AWG	C/W	6	2
812988	0.300	0.060	22-10 AWG	C/R	6	2
812989	0.350	0.080	16-8 AWG	C/B	6	2
812990	0.450	0.105	14-4 AWG	C/Y	6	2
812991	0.700	0.175	8-2/0 AWG	C/	6	2

C/W Clear Tubing/White Dash C/R Clear Tubing/Red Dash C/B Clear Tubing/Blue Dash C/Y Clear Tubing/Yellow Dash C/ Clear Tubing/Orange Dash

HEAT SHRINK TUBING

CLEAR-VIEW ADHESIVE-LINED HEAT SHRINK TUBING

The Competitor's Clear Heat Shrink Tubing **Vs.** **Our *CLEAR-VIEW* Heat Shrink Tubing**





What's special about this heat shrink tubing?

- Constructed of a cross-linked ionic polymer material for superior strength.
- Lightweight material is easy to work with and can be cut using simple shears or scissors.
- Wire AWG is printed on the side for easy size ID.
- Lined with a hot-melt adhesive to provide a completely waterproof seal
- Exceeds 2.5-to-1 shrink ratio, to contain connectors up to 2 and a half times larger than your cable



Absolutely clear tubing provides ultimate clarity for visual inspection at any time.

Specifications:
Material: Cross-linked ionic polymer
Shrink Ratio: Exceeds 2.5 to 1
Shrink/Recoveray Temperature: 90°C (194°F)
Continuous Operating Temp: -55°C to 125°C (-67°F to 257°F)
Flammability: Passed (FMVSS 302 test)
Tensile Strength: 4,000 psi
Longitudinal Change: + 1/-10% Max
Dielectric Strength: 750 V/Mil (30KV/MM)

PART NUMBER	QTY	WIRE GAUGE	TUBING COLOR	LENGTH	MINIMUM EXPANDED I.D.	MAXIMUM RECOVERED I.D.
210163	10	22-18	Clear	6"	0.176"	0.045"
210164	10	16-14	Clear	6"	0.250"	0.080"
210165	10	12-10	Clear	6"	0.365"	0.100"

SEMI-RIGID, MULTIPLE WALL, HEAT SHRINK TUBING WITH SEALER



- Semi-rigid multiple wall. Excellent vibration resistance and strain relief. Identical to tubing used on Shrink 'N Seal, and Solder 'N Seal terminals.
- 2.5 to 1 shrink ratio.
- Crosslinked polyolefin tubing withstands high operating temperatures.
- Adhesive liner melts to create environmental seal. Completely waterproof.
- Impervious to mechanical abuse, abrasion, salt and other corrosive materials.

STEEL TRAY ASSORTMENT
Part No. 501663
48 pieces
8 sizes
12090 steel tray

PLASTIC TRAY ASSORTMENT
Part No. 322100
28 pieces
6 sizes (1/8" thru 1/2")
12047 plastic tray

PART NUMBER	WIRE RANGE	EXPANDED I.D. (INCHES)	SHRUNK I.D. (INCHES)	COLOR	LENGTH (INCHES)	QTY
322134	20-24	1/8 (.125)	.050	Clear	6	6
322135	22-18	3/16 (.187)	.075	Red	6	6
322136	16-14	1/4 (.250)	.100	Blue	6	6
322137	12-10	5/16 (.3125)	.125	Yellow	6	6
322138	8-6	3/8 (.375)	.150	Black	6	6
322139	4-2	1/2 (.500)	.200	Black	6	4
322140	2-1/0	3/4 (.750)	.300	Black	6	2
322141	2/0-4/0	1 (1.00)	.400	Black	6	2

BULK FLEXI-SEAL, THIN WALL, HEAT SHRINK TUBING DISPENSER

- 50' workbench/shelf dispenser.
- Eliminates waste from precut lengths.
- Dispenser size 7-1/2" x 7" x 2".



Assortment 812013
Includes all six dispenser packs in black, part numbers 812960, 812961, 812962, 812963, 812964, 812965

Assortment 812014
Includes all three dispensers packs in colors, part numbers 812960-R, 812962-BL, 812963-Y

SHELF DISPENSERS (50' LENGTHS)

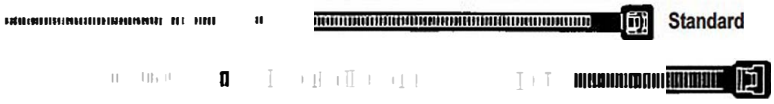
PART NUMBER	WIRE SIZE	I.D. BEFORE SHRINKAGE	COLOR	PART NUMBER	WIRE SIZE	I.D. BEFORE SHRINKAGE	COLOR
812960	24-18	1/8"	Black	812960-R	24-18	1/8"	Red
812961	20-16	3/16"	Black	812962-BL	16-14	1/4"	Blue
812962	16-14	1/4"	Black	812963-Y	12-10	5/16"	Yellow
812963	12-10	5/16"	Black				
812964	10-2	3/8"	Black				
812965	8-1	1/2"	Black				

Red, blue and yellow colors and diameters fit over standard color coded terminals for 20-18, 16-14, and 12-10 wire sizes.

CABLE TIES

CABLE TIE RACK ASSORTMENT

An assortment of popular wire ties in a sturdy steel rack. Wall mountable with pre-drilled holes on 3 sides for ease of hanging.



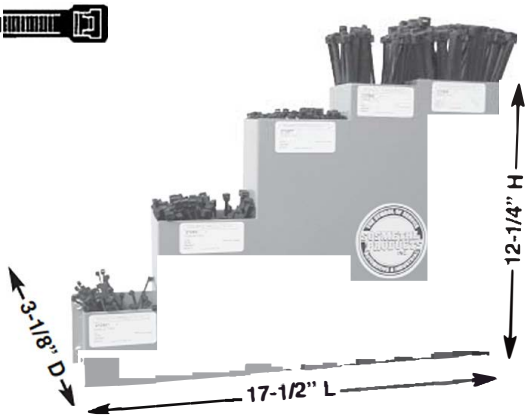
- A wide assortment of the fastest moving wire ties - no waste or inventory space.
- Inventory can be taken at a quick glance, with the 5 compartment rack.
- Includes standard duty sizes: 4", 8", 11", 14" and heavy duty in a 14" length, in black.
- Use for bundling, fastening and general purpose usage.

Part No. 501766
400 pieces • 5 items
12180 steel rack - wall mount

210942	210957	210977
210951	210958	

Numbers in assortment

(Rack may hold up to 1000 cable ties)



METAL DETECTABLE CABLE TIES

Don't let unwanted material end up where it shouldn't be.

Used in food, beverage, pharmaceutical, and cosmetic industries, automation equipment manufacturing & maintenance repair operations.

- Prevent possible contamination resulting in costly recalls & liabilities
- Metal content blended throughout cable ties
- 2-3 times stonger signal strength compared to competition
- US FDA food contact material compliance
- Half the price of stainless steel fasteners

Detected by
- Metal detectors
- X-Ray equipment
- Bright teal color for easy visual detection



(PSS081217)

PART NUMBER	COLOR	TENSILE STRENGTH	MAX. BUNDLE DIAMETER (INCHES)	APPROX. LENGTH (INCHES)	APPROX. WIDTH (INCHES)	QTY
210714	Teal	18lbs.	.87	4.12	.09	50
210715	Teal	40lbs.	2.37	8.87	.14	50
210716	Teal	50lbs.	1.87	7.56	.18	50
210717	Teal	50lbs.	3.06	11.25	.18	50
210718	Teal	50lbs.	4.00	14.25	.18	50
210719	Teal	120lbs.	4.06	15.09	.30	50

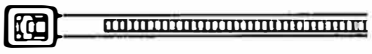
CABLE TIES

STANDARD CABLE TIES



PART NUMBER	COLOR	GOVERNMENT DESIGNATION	MINIMUM TENSILE UNLOCKING STRENGTH MIL-S-2310D (Type 1 Class 1)	MAXIMUM BUNDLE DIAMETER	APPROX. LENGTH	APPROX. WIDTH	QTY
210925	Natural	MS3367-4	18lbs.	3/4	4	1/8	300
210951	Black	MS3367-4	18lbs.	3/4	4	1/8	300
210912	Natural	MS3367-5	30lbs.	1-1/4	6	9/64	300
210941	Black	MS3367-5	30lbs.	1-1/4	6	9/64	300
210952	Natural	MS3367-4	18lbs.	2	8	1/8	300
210953	Black	MS3367-4	18lbs.	2	8	1/8	300
210956	Natural	MS3367-1	50lbs.	1-3/4	8	3/16	300
210957	Black	MS3367-1	50lbs.	1-3/4	8	3/16	300
210954	Natural	MS3367-1	40lbs.	2	8-1/2	5/32	300
210955	Black	MS3367-1	40lbs.	2	8-1/2	5/32	300
210976	Natural	MS3367-1	40lbs.	3	11	5/32	300
210977	Black	MS3367-1	40lbs.	3	11	5/32	300
210978	Natural	MS3367-7	50lbs.	3	11	3/16	300
210945	Black	MS3367-7	50lbs.	3	11	3/16	300
210913	Natural	MS3367-2	50lbs.	4	14	3/16	300
210942	Black	MS3367-2	50lbs.	4	14	3/16	300

COLORED CABLE TIES



PART NUMBER	COLOR	MINIMUM TENSILE UNLOCKING STRENGTH MIL-S-2310D (Type 1 Class 1)	MAX. BUNDLE DIAMETER (INCHES)	APPROX. LENGTH (INCHES)	APPROX. WIDTH (INCHES)	QTY
210653	Brown	18lbs.	3/4	4	7/64	100
210654	Red	18lbs.	3/4	4	7/64	100
210655	Orange	18lbs.	3/4	4	7/64	100
210656	Yellow	18lbs.	3/4	4	7/64	100
210657	Green	18lbs.	3/4	4	7/64	100
210658	Blue	18lbs.	3/4	4	7/64	100
210659	Purple	18lbs.	3/4	4	7/64	100
210660	Gray	18lbs.	3/4	4	7/64	100
210661	Brown	40lbs.	1-3/4	7-1/2	3/16	100
210662	Red	40lbs.	1-3/4	7-1/2	3/16	100
210663	Orange	40lbs.	1-3/4	7-1/2	3/16	100
210664	Yellow	40lbs.	1-3/4	7-1/2	3/16	100
210665	Green	40lbs.	1-3/4	7-1/2	3/16	100
210666	Blue	40lbs.	1-3/4	7-1/2	3/16	100
210667	Purple	40lbs.	1-3/4	7-1/2	3/16	100
210668	Gray	40lbs.	1-3/4	7-1/2	3/16	100

HEAVY DUTY CABLE TIES

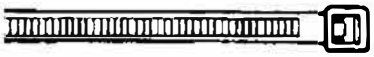


PART NUMBER	COLOR	GOVERNMENT DESIGNATION	MINIMUM TENSILE UNLOCKING STRENGTH MIL-S-2310D (Type 1 Class 1)	MAXIMUM BUNDLE DIAMETER	APPROX. LENGTH	APPROX. WIDTH	QTY
210671	Natural	N/A	120lbs.	2	9	5/16	100
210672	Black	N/A	120lbs.	2	9	5/16	100
210939	Natural	MS3367-3	120lbs.	4	14	5/16	100
210958	Black	MS3367-3	120lbs.	4	14	5/16	100
210801	Natural	MS3367-6	120lbs.	9	28	5/16	50
210802	Black	MS3367-6	120lbs.	9	28	5/16	50
210803	Natural	N/A	175lbs.	7	24	11/32	50
210804	Black	N/A	175lbs.	7	24	11/32	50
210805	Natural	N/A	175lbs.	10	34	11/32	50
210806	Black	N/A	175lbs.	10	34	11/32	50
210807	Gray	N/A	175lbs.	15	48	11/32	50
210808	Black	N/A	175lbs.	15	48	11/32	25

CABLE TIES

FLUORESCENT CABLE TIES

PART NUMBER	FLUORESCENT COLOR	GOVERNMENT DESIGNATION	MINIMUM TENSILE UNLOCKING STRENGTH MIL-S-2310D (Type 1 Class 1)	MAXIMUM BUNDLE DIAMETER	APPROX. LENGTH	APPROX. WIDTH	QTY
210969	Pink	MS3367-1	40lbs.	2	8-1/2	5/32	250
210970	Orange	MS3367-1	40lbs.	2	8-1/2	5/32	250
210971	Yellow	MS3367-1	40lbs.	2	8-1/2	5/32	250
210972	Green	MS3367-1	40lbs.	2	8-1/2	5/32	250
210973	Blue	MS3367-1	40lbs.	2	8-1/2	5/32	250



COMBO-PACK
100 pieces
20 of each color
210950

RELEASABLE CABLE TIES

PART NUMBER	COLOR	MINIMUM TENSILE UNLOCKING STRENGTH MIL-S-2310D (Type 1 Class 1)	MAX. BUNDLE DIAMETER (INCHES)	APPROX. LENGTH (INCHES)	APPROX. WIDTH (INCHES)	QTY
210926	Natural	50lbs.	1-1/4	5-1/2	19/64	100
210964	Black	50lbs.	1-1/4	5-1/2	19/64	100
210924	Natural	50lbs.	2	7-3/4	19/64	100
210927	Black	50lbs.	2	7-3/4	19/64	100
210928	Natural	50lbs.	3	11-3/4	19/64	100
210965	Black	50lbs.	3	11-3/4	19/64	100

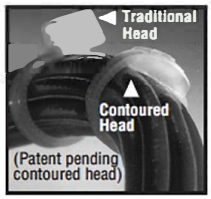
Perfect for construction and service requiring the release and reuse of cable ties on existing harnesses.



LOW PROFILE CABLE TIES

Low profile design is ideal for use where clearance is a necessity. Unique saddle back curves to fit snug around the wire bundle, and allows for easy pull-through in bulk heads and other tight places.

PART NUMBER	COLOR	MINIMUM TENSILE UNLOCKING STRENGTH MIL-S-2310D (Type 1 Class 1)	MAX. BUNDLE DIAMETER (INCHES)	APPROX. LENGTH (INCHES)	APPROX. WIDTH (INCHES)	QTY
210831	Natural	18lbs.	1	4-1/2	.095	100
210832	Black	18lbs.	1	4-1/2	.095	100
210833	Natural	50lbs.	1-3/4	7-1/2	.187	100
210834	Black	50lbs.	1-3/4	7-1/2	.187	100
210835	Natural	50lbs.	3	11-1/4	.187	100
210836	Black	50lbs.	3	11-1/4	.187	100
210837	Natural	50lbs.	4	14-1/2	.187	100
210838	Black	50lbs.	4	14-1/2	.187	100
210686	Natural	120lbs.	4	14-1/2	.300	50
210687	Black	120lbs.	4	14-1/2	.300	50
210688	Natural	120lbs.	6	21-0	.300	50
210689	Black	120lbs.	6	21-0	.300	50







- Contoured head eliminates snagging and sharp edges.
- Durable high quality nylon 66.
- The saddle back fits snug against the contour of the wiring harness.

Part No. 501670
750 pieces • 8 items • 12116 steel tray

210831	210833	210835	210837
210832	210834	210836	210838

Numbers in assortment

CABLE TIE ASSORTMENT

An assortment of fast moving wire ties conveniently stored in a portable tray. These UV resistant black, all nylon cable ties will satisfy all your bundling requirements. Includes standard duty in 4", 6" 8" & 11" lengths and heavy duty in 14" length.



Part No. 501743
500 pieces • 5 items • 12116 steel tray

210941	210957	210977
210951	210958	

Numbers in assortment

CABLE TIES

MOUNTING CABLE TIES



One piece, all plastic ties for quick, simple cable mounting. Bundling and mounting are done with one unit.

PART NUMBER	COLOR	SCREW HOLE SIZE	MINIMUM TENSILE UNLOCKING STRENGTH MIL-S-2310D (Type 1 Class 1)	MAXIMUM BUNDLE DIAMETER	APPROX. LENGTH	APPROX. WIDTH	QTY
210959	Natural	no. 8	30lbs.	1-1/4	6-1/4	9/64	100
210960	Black	no. 8	30lbs.	1-1/4	6-1/4	9/64	100
210910	Natural	no. 10	50lbs.	1-3/4	8	3/16	100
210961	Black	no. 10	50lbs.	1-3/4	8	3/16	100
210911	Natural	no. 10	50lbs.	4	15-1/2	3/16	100
210962	Black	no. 10	50lbs.	4	15-1/2	3/16	100
210940	Natural	1/4	120lbs.	4	15-1/2	5/16	50
210963	Black	1/4	120lbs.	4	15-1/2	5/16	50

E12

IDENTIFICATION CABLE TIES

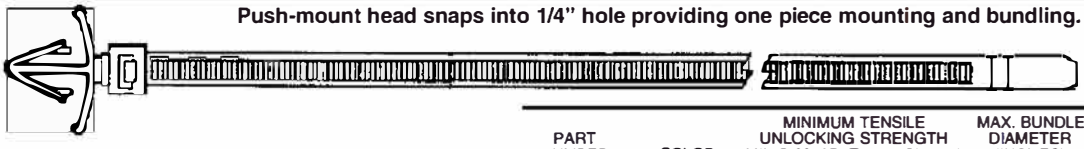


Identify bundles of cable in one operation. Large flat area for imprinting or writing the required information.

PART NUMBER	COLOR	GOVERNMENT DESIGNATION	MINIMUM TENSILE UNLOCKING STRENGTH MIL-S-2310D (Type 1 Class 1)	MAX. BUNDLE DIAMETER (INCHES)	APPROX. LENGTH (INCHES)	MARKING PAD SIZE (INCHES)	QTY
210967	Natural	MS3368-5-E	18lbs.	3/4	4	1 x 19/64	100
210968	Natural	MS3368-1-A	50lbs.	1-3/4	8	1 x 7/16	100

PUSH-MOUNT CABLE TIES

Push-mount head snaps into 1/4" hole providing one piece mounting and bundling.



PART NUMBER	COLOR	MINIMUM TENSILE UNLOCKING STRENGTH MIL-S-2310D (Type 1 Class 1)	MAX. BUNDLE DIAMETER (INCHES)	APPROX. LENGTH (INCHES)	APPROX. WIDTH (INCHES)	QTY
210904	Natural	50lbs.	1-3/4	8	13/64	50
210916	Black	50lbs.	1-3/4	8	13/64	50

STAINLESS STEEL TIES



- Ball bearing design allows hand tightening of these clamps.
- This design feature is ideal for use in the marine environment as well as environments where chemicals, salts, acids and high temperatures may affect the clamping application.
- Made of material formulated to be highly resistant to corrosion.
- Temperature range: -112°F (-80°C) to +1000°F (+538°C).

PART NUMBER	MATERIAL	MINIMUM TENSILE UNLOCKING STRENGTH (UNLOCKING)	MAX. BUNDLE DIAMETER (INCHES)	APPROX. LENGTH (INCHES)	APPROX. WIDTH (INCHES)	QTY
210708	316	100lbs.	2	7.9	.18	10
210709	316	100lbs.	4	14.2	.18	10
210710	316	100lbs.	6	20.4	.18	10
210711	316	100lbs.	8	26.8	.18	10
210712	316	250lbs.	2	7.9	.31	10
210713	316	250lbs.	4	14.2	.31	10

CABLE TIES INDUSTRIAL JAR

For wire bundling, fastening and general use.







- Available in natural nylon for indoor applications or UV-resistant black for outdoor applications.
- Made by Thomas and Betts.
- UL recognized and MIL-SPEC approved.
- Reusable jar.

Each Jar Contains 650 Ties

PART NUMBER	LENGTH (INCHES)	WIDTH	MAX BUNDLE (INCHES)	TENSILE STRENGTH	QTY
Natural Nylon 210845	4	.100	5/8	18 lb	300
	7.5	.187	1-3/4	50 lb	300
UV Black 210846	11.1	.187	3	50 lb	50

CABLE TIES

PUSH-MOUNT CABLE TIE BASE

To attach wire ties securely. Installs in any 1/4" hole.

- Centering ears & locking barb design holds base securely in place.
- Type 6/6 nylon.
- Can be used on all standard ties up to 14-1/2" and 50 lb. tensile strength.
- Base dimension 5/16" x 9/16".

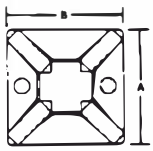
PART NUMBER	COLOR	QTY
210847	Natural	25
210848	Black	25



ADHESIVE BACK CABLE TIE BASE

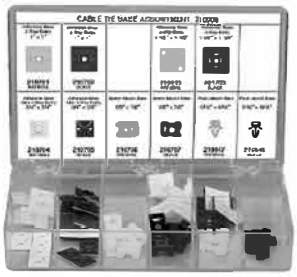
To attach wire tie to specific place, such as securing to a fire wall.

- Adhesive back with screw holes for fast installation.
- Apply to smooth clean, dry and oil free surface.
- Holds from -50°F to + 180°F.
- Counter-sunk hole for the screw or rivet will not interfere with the cable ties.
- Can be used on self-locking ties up to 14" and 75lb. tensile strength.





PART NUMBER	ENTRY TYPE	COLOR	DIMENSION (INCHES) A & B	QTY
210701	2-way	Natural	1 x 1	50
210702	2-way	Black	1 x 1	50
210915	4-way	Natural	1-1/8 x 1-1/8	50
210703	4-way	Black	1-1/8 x 1-1/8	50
210704	Mini 4-way	Natural	3/4 x 3/4	50
210705	Mini 4-way	Black	3/4 x 3/4	50



Part No. 210908
66 pieces • 10 items
12038 plastic tray

210701	210704	210707	210915
210702	210705	210847	
210703	210706	210848	

Numbers in assortment

SCREW MOUNT BASES

- Narrow and higher design for crowded surface areas.
- Deep cradle design provides extra support for large bundles and many components.
- For use at temperatures not exceeding 85°C (185°F).
- Can be used on all standard and heavy-duty ties up yo 48" and 175lbs. tensile strength.
- Screw hole size: 1/4". Base dimensions: 5/8" x 7/8".
- Made in USA.

PART NUMBER	COLOR	QTY
210706	Natural	50
210707	Black	50



WIRE TIE ASSORTMENT with INSTALLATION TOOL

- A wide assortment of the fastest moving wire ties - no waste of money or inventory space.
- Packed in a sturdy metal tray with 3 horizontal and 3 vertical dividers for fully adjustable compartments.
- Includes wire tie installation tool 210905 - FREE!



Part No. 210909
149 pieces • 11 items • 12090 steel tray

210905	210911	210913	210939	210941	210955
210910	210912	210925	210940	210942	

Numbers in assortment

Contents raised for illustration purposes.



WIRE TIE INSTALLATION TOOL

CAN'T GET TWO HANDS IN A TIGHT SPOT? TRY THIS....



Part No. 210905

- Lightweight and durable plastic body.
- Used with all 18-50 lb. tensile rated ties.



Part No. 210906

- All metal, lightweight, adjustable.
- Installs all 18, 30, and 50 lb. ties.



Part No. 210907

- Heavy duty, all metal tool.
- Used with 120 & 175 lb. ties.

CABLE WRAPS / GROMMETS

VELCRO CABLE WRAPS



For quick cable mounting or bundling.

- Easy installation - Only requires a screw for mounting.
- One piece construction, no back-to-back loop & hook.
- Reusable and adjustable, can be reused up to 200 times.
- Roll dispenser - No lost cables, just cut off number of cable wraps needed.

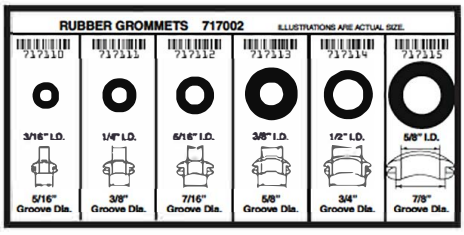
PART NUMBER	COLOR	APPROX.BUNDLE DIAMETER-INCHES	OVERALL LENGTH INCHES	WIDTH INCHES	QTY
210997	Black	2	8	1/2	25

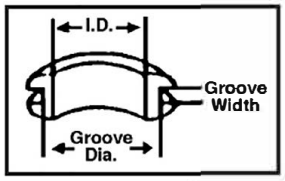
RUBBER GROMMETS

Use for copper tubing, carburetor linkage, brake lines, choke and throttle controls, brake cables and electric wiring.

- Used to feed wire through sheet metal.
- Prevents wear and noise due to vibration.







Part No. 717002
76 pieces • 6 sizes • 12028 plastic tray

717110	717112	717114
717111	717113	717115

Numbers in assortment



SHOP ASSORTMENT
Part No. 501561
151 pieces • 14 sizes • 12050 steel tray

716990	716993	716996	717111	717114
716991	716994	716997	717112	717115
716992	717995	717110	717113	

Numbers in assortment



MASTER ASSORTMENT
Part No. 501698
360 pieces • 32 sizes • 12062 steel tray

716825	716832	716880	716993	717112
716826	716833	716990	716883	717113
716827	716834	716991	716994	717114
716828	716876	716992	716996	717115
716829	716877	716995	716997	
716830	716878	716881	717110	
716831	716879	716882	717111	

Numbers in assortment

Groove Width = Panel Thickness
Groove Dia. = Panel Hole Size

PART NUMBER	GROOVE WIDTH	INSIDE DIAMETER	GROOVE DIAMETER	QTY
717110	1/16	3/16	5/16	10
717111	1/16	1/4	3/8	10
716825	1/16	1/4	7/16	10
716826	1/16	1/4	1	10
717112	1/16	5/16	7/16	10
716827	1/16	5/16	9/16	10
716828	1/16	5/16	3/4	10
716829	1/16	3/8	1/2	10
717113	1/16	3/8	5/8	10
716830	1/16	3/8	1	10
716831	1/16	7/16	9/16	10
716832	1/16	5/8	7/8	10
716833	1/16	3/4	15/16	10
716834	1/16	3/4	1-1/16	10
716876	1/16	3/4	1-1/4	10
716877	3/32	5/32	1/4	10
716878	3/32	3/16	9/32	10
716879	3/32	1/2	3/4	10
716880	3/32	1/2	25/32	10
716990	1/8	3/16	5/16	10
716991	1/8	1/4	3/8	10
716992	1/8	5/16	9/16	10
717114	1/8	1/2	3/4	10
717115	1/8	5/8	7/8	10
716995	1/8	11/16	1	10
716881	1/4	3/16	5/16	10
716882	1/4	5/16	9/16	10
716993	1/4	3/8	5/8	10
716883	1/4	1/2	13/16	10
716994	1/4	5/8	7/8	10
716996	1/4	11/16	1	10
716997	1/4	3/4	1-1/4	10

GROMMETS / LOOM

OPENED / CLOSED NYLON GROMMETS

PART NUMBER	MOUNTING HOLE DIA.	INSIDE DIA.	HEAD DIA.	OVERALL HEIGHT	QTY
717764	0.562	0.391	0.641	0.406	25
717771	0.625	0.453	0.688	0.406	25
717772	0.750	0.547	0.797	0.406	25
717773	0.875	0.672	0.922	0.406	25
717774	1.00	0.797	1.063	0.406	25

Used where cables or tubes are already installed.

- Squeeze grommet together to snap into hole.
- Allows for connections or other parts of harnesses too large to fit through inside dia. of grommet.
- Snaps securely in panels.



STANDARD NYLON GROMMETS

PART NUMBER	MOUNTING HOLE DIA.	INSIDE DIA.	HEAD DIA.	OVERALL HEIGHT	QTY
717781	0.250	1/8	0.312	0.312	25
717782	0.312	3/16	0.375	0.3125	25
717783	0.375	1/4	0.468	0.406	25
717784	0.500	3/8	0.578	0.406	25
717785	0.625	1/2	0.718	0.406	25
717786	0.750	5/8	0.843	0.406	25
717787	0.875*	11/16	0.953	0.453	25
717788	1.000	3/4	1.125	0.453	10
717789	1.093	7/8	1.219	0.453	10
717790	1.375	1.000	1.468	0.453	10

*Fits standard 1/2" electrical knockout.

Used to eliminate sharp edges and protect wires and harnesses passing through holes.



- Easily snap into place.
- Resists up to 35 pounds pull.

Part No.
717780
185 pieces
10 items
12039 plastic tray

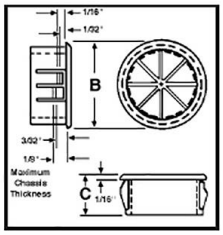


UNIVERSAL NYLON GROMMETS

Used to absorb vibration - cushion and position single or groups of cable, tubing, hose or shafts.

- Flexible shutters automatically adjust to support and protect - even at angle entry.
- Easy snap-lock into panel up to 1/8" thick.
- Type 66 black nylon resists oil and grease. Temperature rated to 220°F/105°C.





PART NUMBER	MOUNTING HOLE DIA.	HEAD DIA. B	OVERALL HEIGHT C	I.D. MIN. - MAX.	QTY
717776	5/8	23/32	13/32	1/8-7/16	25
717778	7/8	15/16	29/64	3/16-9/16	25

WOVEN COTTON FABRIC LOOM

Underhood wiring, brake and fluid lines.

- Flexible, non-metallic, asphalt impregnated.
- Water & acid proof covering.
- Protects from hot exhaust manifolds and pipes.
- Protects wires & cables from abrasion.
- SAE spec: J-562 for Fire Resistant Loom.
- Meets Ford, GM, and Chrysler OEM specs.

PART NUMBER	I.D. (INCHES)	LENGTH (FEET)
210917	3/16	50
210918	1/4	50
210919	5/16	50
210920	3/8	50
210921	1/2	50
210922	3/4	50

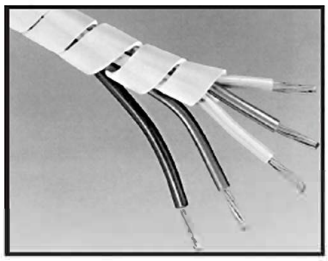
Available in 50 foot rolls



SPIRAL CUT LOOM

The quick and easy way to bundle, protect, and insulate wires, cables or hose

- Clear or black Polyethylene.
- Flexible and reusable.
- Resists abrasion, solvents, acid and alkalies.
- Wraps like tape.
- Packed in handy dispenser box.



PART NUMBER CLEAR	PART NUMBER BLACK	O.D. (INCHES)	MAX. BUNDLE RANGE (INCHES)	LENGTH (FEET)
210946	210840	1/4	3/16-1	100
210947	210841	1/2	3/8-2	50
210948	210842	3/4	3/4-3	50

LOOM / LOOM & CABLE CLIPS

SPLIT CONVOLUTED LOOM

Protects wire, cable, tubing and hoses from pinching and abrasion.

- Slit entire length for easy installation.
- Slit remains closed, even when twisted or bent.
- Polyethylene-temperature rated to 200°F.
- Nylon-temperature rated to 300°F.
  (Recommended for all engine compartment applications.)



BLACK POLYETHYLENE PART NUMBER	I.D. SIZE (INCHES)	LENGTH (FEET)
210930	1/4	25/100
210931	3/8	25/100
210932	1/2	25/100
210933	5/8	25/100
210974	3/4	25/50
210975	1	25/50
210994	1-1/4	25
210995	1-1/2	25
210999	2	25

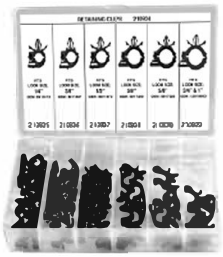
HI-TEMP BLACK/ GRAY STRIPE NYLON PART NUMBER	I.D. SIZE (INCHES)	LENGTH (FEET)
210870	1/4	25/100
210871	3/8	25/100
210872	1/2	25/100
210873	5/8	25/50
210874	3/4	25/50
210889	1	25/50

CONVOLUTED LOOM CLIPS

For routing & fastening wires, tubes, hoses, etc.



- Exact replacement for GM late model cars and trucks.
- Strong heat resistant black plastic holds loom harness neatly and securely.
- Universal applications for all car makes *SAVES YOU MONEY!*



PART NUMBER	FITS LOOM SIZE I.D.	REPLACES O.E.M. #	QTY.
210935	1/4	8911473	12
210936	3/8	8911497	12
210937	1/2	8911472	12
210938	5/8	8917320	12
210929	3/4 - 1	12015983	12

Part No. 210934
41 pieces • 5 items • 12047 plastic tray

LOOM & CABLE CLIPS - SHOP ASSORTMENTS



Contents raised for illustration purposes.

Part No. 717016
199 pieces
23 items
12017 steel tray

INSULATED MOUNTING CLIP		CONVOLUTED LOOM CLIP	NYLON CABLE CLIP	UNIVERSAL LOOM & CABLE CLIPS
30604	30611	210935	717356	717185
30607	30612	210936	717357	717186
30608	30615	210937	717358	717187
30609	30617	210938	717359	
30610	30625		717360	
			717361	



Contents raised for illustration purposes.

Part No. 501706
241 pieces
13 items
12050 steel tray

CONVOLUTED LOOM CLIP	NYLON CABLE CLIP	UNIVERSAL LOOM & CABLE CLIPS
210935	717356	717185
210936	717357	717186
210937	717358	717187
210938	717359	
	717360	
	717361	

LOOM & CABLE CLIPS

For cars, trucks, trailers & RV's.



- Made from spring steel.
- Holds wire or cable securely.

Part No. 717017
38 pieces
3 items
12034 plastic tray





PART NUMBER	FITS O.D. BUNDLE/CABLE	QTY.
717185	1/4	50
717186	3/8	50
717187	1/2	25

LOOM & CABLE CLIPS

STEEL INSULATED MOUNTING CLIPS



Used for holding tubing, hoses, cable and other typical assemblies.



- Black vinyl plastisol coated - chemical resistant.
- Zinc plated to resist corrosion.
- Available in 1/2" width with 1/4" mounting hole, or heavy duty 3/4" width with 3/8" mounting hole.

TUBING SIZE	1/2" WIDTH 1/4" MOUNTING HOLE	3/4" WIDTH 3/8" MOUNTING HOLE	QTY
3/16	30603	---	25
1/4	30606	30618*	24
5/16	30604	30619*	24
3/8	30607	30620*	24
1/2	30608	30621*	24
5/8	30609	30622*	24
3/4	30610	30623*	24
7/8	30611	30624*	24
1	30612	30625*	24
1-1/4	---	30615*	12
1-1/2	---	30617	12
1-3/4	---	30627	10
2	---	30628	10

* Contained in Assortment 30601.

Part No. 30601
Heavy duty 3/4" wide insulated mounting clip assortment.
37 pieces • 9 items
12043 plastic tray

Part No. 30602
1/2" wide insulated mounting clip assortment.
45 pieces • 9 items
12039 plastic tray



SHOP ASSORTMENT
Part No. 501707
111 pieces • 14 items
12050 steel tray

30603	30607	30610	30615	30623
30604	30608	30611	30617	30625
30606	30609	30612	30621	

Numbers in assortment



INDUSTRIAL MAINTENANCE/FLEET SHOP Includes all standard 1/2" width sizes, plus large sizes 1-1/4" to 2" in 3/4" width.
Part No. 501606
140 pieces • 13 items • 12058 steel bin

30603	30607	30610	30615	30628
30604	30608	30611	30617	
30606	30609	30612	30627	

Numbers in assortment



ALUMINUM TUBING & CABLE MOUNTING CLIPS



Indoor or outdoor use

- Mounts with 1/4" screw or bolt.
- Recommended for use where aging and weathering is a problem.
- 1/2" wide.
- Removable neoprene cover protects tubing or cable from abrasion.



NEOPRENE CUSHION COVER

PART NUMBER	QTY	DIA.	PART NUMBER	QTY	DIA.
720101	10	1/4	720108	10	1
720102	10	5/16	720109	5	1-1/8
720103	10	3/8	720110	5	1-1/4
720104	10	1/2	720111	5	1-3/8
720105	10	5/8	720112	5	1-1/2
720106	10	3/4	720114	5	1-3/4
720107	10	7/8	720113	5	2

Part No. 720100
38 pieces • 12 items
12043 plastic tray

720101	720104	720107	720110
720102	720105	720108	720111
720103	720106	720109	720112

Numbers in assortment



Part No. 501708
87 pieces • 14 items
12050 steel tray

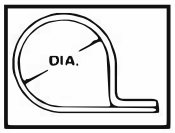
720101	720106	720111
720102	720107	720112
720103	720108	720113
720104	720109	720114
720105	720110	

Numbers in assortment

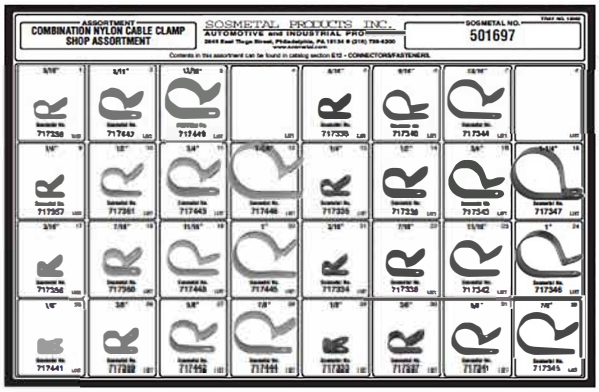


LOOM & CABLE CLIPS / CLAMPS

NYLON CABLE CLAMPS







Wire and cable management.

- Heat, weather & corrosion resistant.
- Available in white nylon or heat stabilized, U-V resistant black nylon.

PART NUMBER WHITE NYLON	PART NUMBER BLACK NYLON	QTY	DIA.
717441	717333	100	1/8
717356	717334	100	3/16
717357	717335	100	1/4
717358	717336	100	5/16
717359	717337	100	3/8
717360	717338	100	7/16
717361	717339	100	1/2
717447	717340	50	9/16
717442	717341	50	5/8
717448	717342	50	11/16
717443	717343	50	3/4
717449	717344	50	13/16
717444	717345	50	7/8
717445	717346	25	1
717446	717347	25	1-1/4

Combination Shop Assortment
Part No. 501697
322 pieces • 30 items • 12062 steel tray

717333	717338	717343	717356	717361	717445
717334	717339	717344	717357	717441	717446
717335	717340	717345	717358	717442	717447
717336	717341	717346	717359	717443	717448
717337	717342	717347	717360	717444	717449

Numbers in assortment



White Nylon Clamp Assortment
Part No. 717018
161 pieces • 15 items
12044 plastic tray

717356	717359	717441	717444	717447
717357	717360	717442	717445	717448
717358	717361	717443	717446	717449

Numbers in assortment











Black Nylon Clamp Assortment
Part No. 717007
161 pieces • 15 items
12044 plastic tray

717333	717336	717339	717342	717345
717334	717337	717340	717343	717346
717335	717338	717341	717344	717347

Numbers in assortment



BLACK ADJUSTABLE ADHESIVE-BACKED WIRE CLAMPS



Adhesive-backed clamps are available for a variety of applications.
The 1/32" thick adhesive tape is designed to stick securely to clean, smooth surfaces.

- Adjustable round wire mount.
- Black molded nylon material.
- Polyethylene foam tape.
- 1/32" thick adhesive.
- Adjustable ratchet design.



PART NUMBER	MAX. WIRE BUNDLE	APPROX. BASE WIDTH	APPROX. BASE LENGTH	QTY
210790	.390	0.750	1.000	10
210791	.490	0.750	1.281	10
210792	.560	0.750	1.455	10
210793	.770	1.000	1.660	10
210794	.940	1.000	1.750	10

WIRE COVERINGS & FITTINGS

LIQUID TIGHT ELECTRICAL CONDUIT and FITTINGS

– CONDUIT –

- Liquid tight conduit is non-metallic, gray PVC construction, and meets UL Type B.
- The smooth inner surface allows for quick feeding of wires with no sharp edges to damage conductors.
- Lightweight and resistant to crushing, easily cut to length with a knife.
- Suitable for either indoor or outdoor use.
- Use with fittings at right for a liquid-tight connection.
- UL rated for 80° C dry, 60° C wet, 70° C oil resistant. CSA rating for -18° C to 75° C.



SIZE IN.	PART NUMBER	TYPICAL O.D.	TYPICAL I.D.	STANDARD PACK FT.
3/8	210610	0.70	0.49	50
1/2	210611	0.83	0.63	50
3/4	210612	1.04	0.83	50
1	210613	1.30	1.05	50

– FITTINGS –

- Nylon construction is suitable for indoor and outdoor use.
- The conduit can be pushed into the fitting and the sealing nut is tightened, the tubing does not have to be threaded onto the nut.
- The connector is supplied with an O-ring and steel locking nut.
- For larger tubing sizes, standard metallic trade fittings can be used. Gray color.

Use with Liquid Tight Conduit only.





SIZE IN.	PART NUMBER CONNECTOR STRAIGHT-IN TYPE	RIGHT ANGLE TYPE	THREAD SIZE
3/8	210620	210624	1/2 NPT
1/2	210621	210625	1/2 NPT
3/4	210622	210626	3/4 NPT
1	210623	210627	1 NPT

E12

FLEXIBLE ELECTRICAL TUBING and FITTINGS

– TUBING –

- Highly flexible black PVC tubing for a non-metallic covering over wires, or fiber optic cables.
- Available from 1/4" to 1" I.D.
- Resistant to oil, water and corrosion, excellent in high vibration areas or where flexing occurs.
- Cut to length with a knife.
- UL recognized under the component program.
- CSA certified for 3/8" and larger sizes.

Extra Flexible!



SIZE IN.	PART NUMBER	TYPICAL O.D.	TYPICAL I.D.	STANDARD PACK FT.
1/4	210630	0.57	0.40	50
3/8	210631	0.70	0.49	50
1/2	210632	0.83	0.63	50
3/4	210633	1.04	0.83	50
1	210634	1.30	1.05	50

– FITTINGS –

- Nylon construction is suitable for indoor and outdoor use.
- Both threaded-in, straight-in and right angle, and snap-in straight-in type only. Fittings can only be used with flexible electrical tubing , shown at left.
- The fitting does not have to be disassembled for use, simply push tubing in and tighten the lock nut and snap or screw into place.
- For larger tubing sizes, standard metallic trade fittings can be used.







– THREADED FITTINGS – SIZE IN.	STRAIGHT-IN TYPE	RIGHT ANGLE TYPE	THREAD SIZE
3/8	210640	210644	1/2 NPT
1/2	210641	210645	1/2 NPT
3/4	210642	210646	3/4 NPT
1	210643	210647	1 NPT

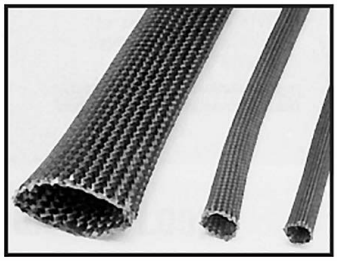
– SNAP-IN FITTINGS – SIZE IN.	STRAIGHT SNAP IN	MOUNTING HOLE DIA.
1/4	210648	0.500
3/8	210649	0.875
1/2	210650	0.875
3/4	210651	1.093
1	210652	1.375

EXPANDABLE MESH SLEEVING

PART NUMBER	NOMINAL SIZE	LENGTH (FEET)
210690	1/4	25
210691	3/8	25
210692	1/2	25
210693	3/4	25

Ideal covering to protect wire, cable, hoses, shafts, marine hoses & cables, hydraulics, trailer chains and harness assemblies.

- Expands up to three times for easy installation, then tightens.
- Sleeving has high resistance to abrasion and chemicals.
- Temperature range -94°F to +257°F.
- UL recognized black polyethylene terephthalate (PET).



ELECTRIC TEST CLIPS & INSULATORS

ALLIGATOR CLIPS



PART NUMBER	QTY	AMP	PLATING	CONNECTION	LENGTH	JAW OPENING
113200	12	10	Cadmium plated steel	Screw	2	5/16
113201	12	10	Cadmium plated steel	Screw	1-11/16	5/16

GENERAL PURPOSE CLIPS



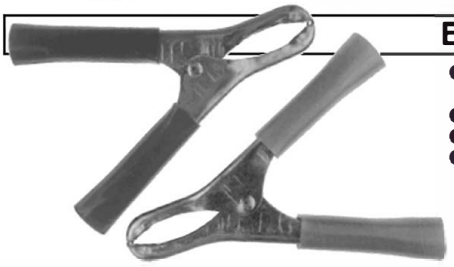
PART NUMBER	QTY	AMP	PLATING	CONNECTION	LENGTH	JAW OPENING
113204	12	20	Cadmium plated steel	Screw	2	1/2

HEAVY DUTY CLIPS



PART NUMBER	QTY	AMP	PLATING	CONNECTION	LENGTH	JAW OPENING
113210	12	25	Lead plated steel	Screw	2-7/8	3/4

BATTERY CHARGER CLIPS



- For low voltage and trickle chargers, timing lights and test equipment.
- 50 amp capacity.
- 3" long, 1-1/8" jaw spaced.
- Copper plated with insulated handles.

* One of each with red & black handles

Part No. 113261 1 pair of clips*

INSULATORS

Both red & black vinyl packed in each box.



PART NUMBER	QTY	FITS NUMBERS
113214	12	113200
113215	12	113201
113216	12	113204
113218	12	113210

TEST LEADS

Quickly shows hidden trouble in electrical system.



- Two 30" leads, 18ga.
- Color coded red and black wire.
- Packed pair in a box.

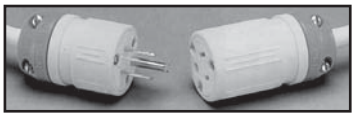
Part No. 113226

CORD CONNECTORS/ELECTRICAL DEVICES/GFCI RECEPTACLES

HEAVY DUTY / INDUSTRIAL TYPE PLUGS AND CONNECTORS

PERMA-LINK® **U.S. Patent No. 4021092 Dead-Front, Back-Wired**

Listed E17740 Certified LR3914



Meets OSHA requirements 1926.405 (J)
Meets National Electrical code requirements 400-10, 410-56 (f) & (h), 410-58 (a) (b) & (d)

Rugged Construction: Rugged polybutylene terephthalate (PBT) and a high-tech thermoplastic elastomer (TPE) are combined to produce safer wiring devices that are engineered for long-life under conditions that would destroy ordinary devices. Perma-Link plugs and connectors provide double-insulated reliability while withstanding high impact, crushing, corrosion, chemicals, greases, oils, solvents, ozone, temperature extremes (-20°C - 100°C), moisture, and high-voltage arcing and carbon tracking.

High Visibility For Added Safety: Brilliant orange and radiant yellow dual Color Safety System™.

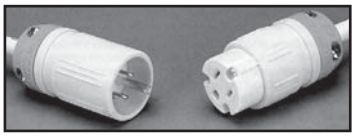
- **Non-slip finger grips.**
- **Solid brass blades.**
- **Keyed body for alignment.**
- **Transparent back plate.**
- **Individual wiring chambers.**
- **Color-coded terminal clamping screws.**
- **Captive assembly screws.**
- **Internal cord seal.**
- **New self-centering safety cord clamps.**
- **Double lead screws for faster assembly.**

VERSATILE WEATHER-RESISTANT FIELD CONVERSION

BONUS FEATURE *at NO extra cost!*

Our Perma-Link plugs and connectors (straight blade only) are designed so they can easily be converted to create weather-resistant connections by interchanging the internal assemblies. Insert the plug body into the connector cover, and the connector body into the plug cover. There are no extra boots to purchase and inventory.





INDUSTRIAL AUTO-GRIP™ PLUGS & CONNECTORS

- **Auto-Grip™ design clamps the cord during assembly, reducing time.**
- **NEMA/IEC Configuration: 5-15**



Part No. 310266

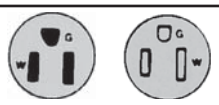


Part No. 310269

PART NUMBER	AMPS	VOLTAGE	CABLE/WIRE SIZE
310266	15 A	125 VAC	1/4 in - 0.656 in
310269	15 A	125 VAC	1/4 in - 0.656 in

ERICSON® HEAVY DUTY / INDUSTRIAL TYPE PLUGS AND CONNECTORS

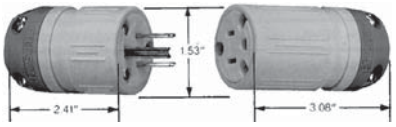
3W 15A 125V



NEMA Configuration #5-15 Straight Blade

2-Pole, 3 Wire. Grounding
Accommodates wire sizes #18 thru #12

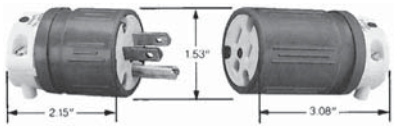
PERMA-LINK® HEAVY DUTY INDUSTRIAL TYPE



Part No. 310150 **Part No. 310152**

PERMA-LINK® HOSPITAL GRADE

- **Softt grey finish.**



Part No. 310151 **Part No. 310153**

PART TO ERICSON INTERCHANGE

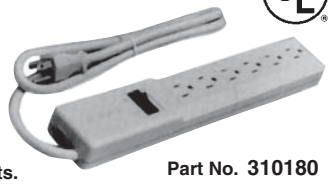
PART NUMBER	ERICSON NUMBER	DESCRIPTION
310150	1510-P	Perma-Link
310152	1610-C	Perma-Link

PART NUMBER	ERICSON NUMBER	DESCRIPTION
310151	1530-PH	Perma-Link HG
310153	1630-CH	Perma-Link HG

MULTIPLE OUTLET STRIP

Applications include offices, work stations, laboratories, computer equipment, store displays and work benches.

- **6 grounding outlets.**
- **Rated 15A, 120V, 60Hz, up to 1875 watts continuous.**
- **4' heavy duty cord.**
- **Resettable circuit breaker protects against overloads.**
- **Beige colored plastic housing.**
- **ON/OFF switch controls all outlets.**



Part No. 310180

IN-LINE PORTABLE GFCI

Ground fault circuit interrupter (GFCI) detects power leaks and cuts off electricity in less than a second to prevent electrical shock. For all industrial and construction applications.

- **Meets OSHA requirements.**
- **Weather resistant "Test" and "Reset" buttons.**
- **3 outlets permit multiple tool use.**
- **Heavy duty, 12 ga. cord, 2' length, 125V, 15 amps, 1875 watt rated.**



Part No. 310198

Prevents serious injury at temporary work sites.

SURGE AND NOISE SUPPRESSORS

Total protection from voltage surges and suppression of EMI/RFI noise caused by motors, equipment, transmitters, ignition, and other electronic sources causing visible or audible interference. 70% of electrical problems are surge related, while 30% are caused by electromagnetic interference.

- **Available in beige plastic housing or heavy duty metal housing for workbench and shop use.**
- ***6 grounded outlets, full 3 line protection.**
- **Surge protection...6,500A, 400V (500V on 310189).**
- **Visual surge indicator, ON/OFF switch.**
- **Noise rejection up to 15DB; 150KHz to 100MHz.**
- **Rated 15A, 120V, 60Hz, up to 1875 watts continuous.**
- **Clamping response time... 1 nanosecond.**
- **14/3 SJT cord set.**



Part No. 310187



Part No. 310189

PART NUMBER	DESCRIPTION
310187	plastic housing, 4' cord, no circuit breaker
310189	H-D metal housing, 6' cord, with circuit breaker

CAUTION **A surge suppressor is not a lightning arrestor and may not protect against direct lightning strikes.**

*** Most surge suppressors offer 1 line protection for the AC feed line. This leaves the neutral line and ground line unprotected. Should a reverse surge or transient spike caused by electrical storms occur on either of these lines, equipment will be unprotected.**

E13

Color Keyed® – Battery Cable/Connector System

UNIVERSAL BATTERY CONNECTORS

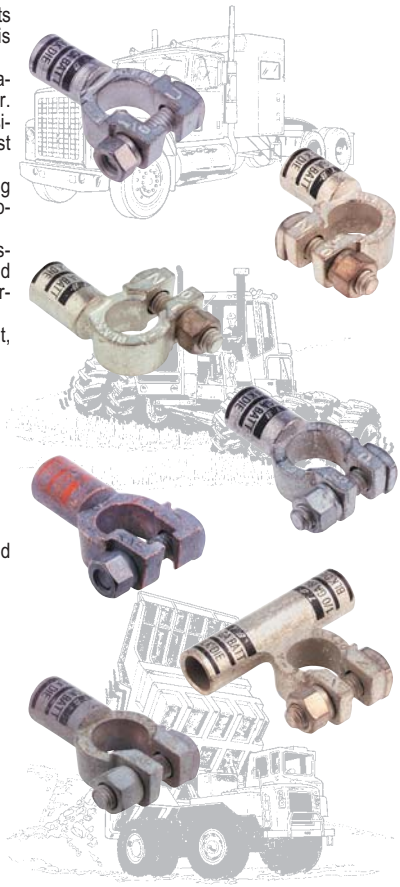
Battery cable connections can be the weakest link in your fleet's electrical system. Vibration and harsh environments can mean loose, corroded connections. Connections that can stop a truck in its tracks. And, a truck that's off the road, is a truck that's costing you money.

The COLOR-KEYED® Cable/Connector system can solve your downtime problems and save you plenty on installation time and inventory. The heart of our totally engineered system is a patented copper universal battery connector. Now, your mechanics can use one connector for both positive and negative posts–there's no lost time looking for positive or negative connectors. Install one connector every time without compromising the quality of the connection…just think of the labor and inventory savings.

Our system is a true, heavy-duty system consisting of cable, cable cutters, strippers, copper connectors, installing tools, insulators and corrosion inhibitors. The system is totally color-coded–each cable size is color-matched to the proper connector and installing tool dies so you'll always have the right connector, cable and die combination.

Our unique cable stripper easily removes the cable insulation without damaging the cable strands, and our compression tool and closed barrel connector assure a solid homogeneous mass that provides an optimum electrical bond between connector and cable. Heavy wall heat shrink insulators assure watertight connections, and by applying Kopr-Shield* compound to the connection, you get the ultimate protection against corrosion.

Our system is backed by over 90 years of electrical experience. It saves time, money, inventory and most important, it's a system that keeps your vehicles on the road…where they belong.



Easy installation–The complete system

1. Match the COLOR-KEYED® cable and universal connector.
2. Cut and strip cable with proper Thomas & Betts tools.
3. Select the COLOR-KEYED® die that matches cable and connector. Insert die in tool.
4. Insert cable into barrel of connector and crimp connector between colored bands on barrel of connector, beginning with the band farthest from insulation. Make two crimps.
5. To protect connection, use two-inch length of heavy wall shrink tubing.
6. To enhance conductivity and inhibit corrosion, apply KOPR-SHIELD* compound to installed battery posts and connector.

*Trademark of Jet-Lube, Inc.

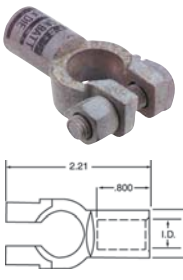
BAC	– 4	– S	– U	– B	– T
Battery Connector	Wire Size	Direction Connector	Style Connection Post	Material	Coating
	(4-4/0)	S = Straight F = Fray ER = Elbow Right EL = Elbow Left	U = Universal P = Positive N = Negative	B = Sand Cast D = Die Cast	T = Tin

SAND CAST TIN PLATED STRAIGHT BATTERY CONNECTORS

Cat. No.	SAE Cable Size and Color	Description	I.D.	O.D.	Pkg. Qty.
BAC2SUBT	2 Gauge	Straight Universal	.340	.550	5
BAC1SUBT	1 Gauge	Straight Universal	.340	.550	5
BAC10SUBT	1/0 Gauge	Straight Universal	.455	.625	5
BAC20SUBT	2/0 Gauge	Straight Universal	.502	.676	5
BAC30SUBT	3/0 Gauge	Straight Universal	.530	.730	5
BAC40SUBT	4/0 Gauge	Straight Universal	.600	.844	5
BAC4SPBT	4 Gauge	Straight Positive	.261	.430	5
BAC4SNBT	4 Gauge	Straight Negative	.261	.430	5
BAC2SPBT	2 Gauge	Straight Positive	.340	.550	5
BAC2SNBT	2 Gauge	Straight Negative	.340	.550	5
BAC1SPBT	1 Gauge	Straight Positive	.340	.550	5
BAC1SNBT	1 Gauge	Straight Negative	.340	.550	5
BAC10SPBT	1/0 Gauge	Straight Positive	.455	.625	5
BAC10SNBT	1/0 Gauge	Straight Negative	.455	.625	5
BAC20SPBT	2/0 Gauge	Straight Positive	.502	.676	5
BAC20SNBT	2/0 Gauge	Straight Negative	.502	.676	5
BAC30SPBT	3/0 Gauge	Straight Positive	.530	.730	5
BAC30SNBT	3/0 Gauge	Straight Negative	.530	.730	5
BAC40SPBT	4/0 Gauge	Straight Positive	.600	.844	5
BAC40SNBT	4/0 Gauge	Straight Negative	.600	.844	5



BAC10SUBT



BAC10SPBT

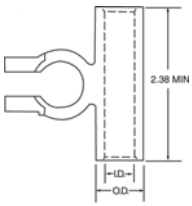
Material: High conductivity copper. **Finish:** Tin plated.
Installing Tools: TBM5-SV, TBM5V, BCT840, BCT840S

Color Keyed® – Battery Cable/Connector System

SAND CAST TIN PLATED FLAG BATTERY CONNECTORS



BAC10FNBT



Cat. No.	SAE Cable Size and Color	Description	I.D.	O.D.	Pkg. Qty.
BAC10FPBT	1/0 Gauge	Flag Positive	.455	.625	5
BAC10FNBT	1/0 Gauge	Flag Negative	.455	.625	5
BAC20FPBT	2/0 Gauge	Flag Positive	.502	.676	5
BAC20FNBT	2/0 Gauge	Flag Negative	.502	.676	5
BAC30FPBT	3/0 Gauge	Flag Positive	.530	.730	5
BAC30FNBT	3/0 Gauge	Flag Negative	.530	.730	5
BAC40FPBT	4/0 Gauge	Flag Positive	.600	.844	5
BAC40FNBT	4/0 Gauge	Flag Negative	.600	.844	5

Material: High conductivity copper. **Finish:** Tin plated.
Installing Tools: TBM5-SV, TBM5V, BCT840, BCT840S

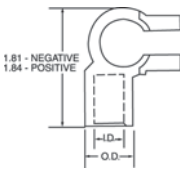
SAND CAST TIN PLATED ELBOW BATTERY CONNECTORS



BAC10ERNBT



BAC10ELNBT



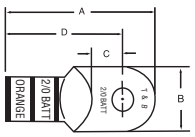
Cat. No.	SAE Cable Size and Color	Description	I.D.	O.D.	Pkg. Qty.
BAC10ERNBT	1/0 Gauge	Right Elbow – Negative	.455	.625	5
BAC10ERPBT	1/0 Gauge	Right Elbow – Positive	.455	.625	5
BAC20ERNBT	2/0 Gauge	Right Elbow – Negative	.502	.676	5
BAC20ERPBT	2/0 Gauge	Right Elbow – Positive	.502	.676	5
BAC30ERNBT	3/0 Gauge	Right Elbow – Negative	.530	.730	5
BAC30ERPBT	3/0 Gauge	Right Elbow – Positive	.530	.730	5
BAC40ERNBT	4/0 Gauge	Right Elbow – Negative	.600	.844	5
BAC40ERPBT	4/0 Gauge	Right Elbow – Positive	.600	.844	5
BAC10ELNBT	1/0 Gauge	Left Elbow – Negative	.455	.625	5
BAC10ELPBT	1/0 Gauge	Left Elbow – Positive	.455	.625	5
BAC20ELNBT	2/0 Gauge	Left Elbow – Negative	.502	.676	5
BAC20ELPBT	2/0 Gauge	Left Elbow – Positive	.502	.676	5
BAC30ELNBT	3/0 Gauge	Left Elbow – Negative	.530	.730	5
BAC30ELPBT	3/0 Gauge	Left Elbow – Positive	.530	.730	5
BAC40ELNBT	4/0 Gauge	Left Elbow – Negative	.600	.844	5

Material: High conductivity copper. **Finish:** Tin plated.
Installing Tools: TBM5-SV, TBM5V, BCT840, BCT840S

COLOR-KEYED STARTER LUGS – TIN PLATED



BAL1038



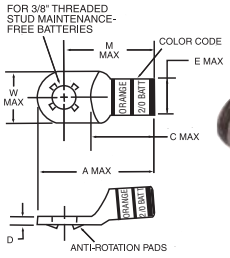
Cat. No.	SAE Cable Size and Color	Stud Size	A ±04	B ±02	C ±02	D ±02	Pkg. Qty.
BAL414	4 Gauge	1/4	140	52	40	115	5
BAL4516	4 Gauge	5/16	145	61	36	114	5
BAL438	4 Gauge	3/8	145	61	36	114	5
BAL2516	2 Gauge	5/16	159	69	40	125	5
BAL238	2 Gauge	3/8	178	67	55	140	5
BAL212	2 Gauge	1/2	177	76	54	140	5
BAL1516	1 Gauge	5/16	183	76	49	150	5
BAL138	1 Gauge	3/8	185	75	55	150	5
BAL112	1 Gauge	1/2	220	75	75	170	5
BAL10516	1/0 Gauge	5/16	192	83	50	150	5
BAL1038	1/0 Gauge	3/8	193	83	55	155	5
BAL1012	1/0 Gauge	1/2	197	88	53	153	5
BAL20516	2/0 Gauge	5/16	206	93	50	160	5
BAL2038	2/0 Gauge	3/8	211	93	55	165	5
BAL2012	2/0 Gauge	1/2	211	93	55	165	5
BAL30516	3/0 Gauge	5/16	216	103	55	165	5
BAL3038	3/0 Gauge	3/8	203	103	55	165	5
BAL3012	3/0 Gauge	1/2	235	103	75	185	5
BAL40516	4/0 Gauge	5/16	240	113	59	184	5
BAL4038	4/0 Gauge	3/8	228	112	55	190	5
BAL4012	4/0 Gauge	1/2	260	112	75	210	5

Material: High conductivity copper. **Finish:** Electro-tin plated.
Installing Tools: TBM5-SV, TBM5V, BCT840, BCT840S

Color Keyed® – Battery Cable/Connector System

STACKABLE BATTERY CONNECTOR – LEAD PLATED

Cat. No.	SAE Cable Size and Color	A ±.040	M ±.020	W ±020	C ±.020	E ±.010	Stud Size	Pkg. Qty.
BAC438	4 Gauge	1.455	1.143	.615	.750	.365	3/8	5
BAC238	2 Gauge	1.775	1.400	.675	.850	.467	3/8	5
BAC138	1 Gauge	1.875	1.500	.750	.950	.521	3/8	5
BAC1038	1/0 Gauge	1.925	1.550	.825	1.000	.571	3/8	5
BAC2038	2/0 Gauge	2.110	1.645	.930	1.100	.632	3/8	5
BAC3038	3/0 Gauge	2.025	1.650	1.025	1.100	.701	3/8	5
BAC4038	4/0 Gauge	2.275	1.900	1.125	1.350	.766	3/8	5





BAC1038

Material: High conductivity copper. **Finish:** Lead plated.
Installing Tools: TBM5-SV, TBM5V, BCT840, BCT840S

SPLICES (2 WAY CONNECTORS) – TIN PLATED

Cat. No.	SAE Cable Size and Color	Pkg. Qty.
BAS4	4 Gauge	5
BAS2	2 Gauge	5
BAS1	1 Gauge	5
BAS10	1/0 Gauge	5
BAS20	2/0 Gauge	5
BAS30	3/0 Gauge	5
BAS40	4/0 Gauge	5



BAS10

Material: High conductivity copper. **Finish:** Electro-tin plated.
Installing Tools: TBM5-SV, TBM5V, BCT840, BCT840S.

COLOR-KEYED BATTERY/STARTER CABLE

Thomas & Betts Color-Keyed™ battery cable is engineered for optimum performance at both high and low temperatures. The abrasion resistant cable incorporates insulation and fine stranding that provides a safe and reliable connection.

- Made of fine flexible copper rope stranding
- PVC jacket that conforms to SAE J1127 specifications
- Layer of paper separates insulation from copper providing easy stripping with no stranding damage
- Temperature rated for 80°C
- Flexibility ideal for tight spaces and cold environments
- Color-Keyed™ for fast and accurate identification
- Marked in 1ft. increments for easy measurements

Cat. No.	SAE Cable Size and Color	Cable Length	Cable Color
BC4-25	4 Gauge	25 Ft. Coil	Black
BC2-25	2 Gauge	25 Ft. Coil	Black
BC1-25	1 Gauge	25 Ft. Coil	Black
BC10-25	1/0 Gauge	25 Ft. Coil	Black
BC20-25	2/0 Gauge	25 Ft. Coil	Black
BC30-25	3/0 Gauge	25 Ft. Coil	Black
BC40-25	4/0 Gauge	25 Ft. Coil	Black
BC4-25R	4 Gauge	25 Ft. Coil	Red
BC2-25R	2 Gauge	25 Ft. Coil	Red
BC1-25R	1 Gauge	25 Ft. Coil	Red
BC10-25R	1/0 Gauge	25 Ft. Coil	Red
BC20-25R	2/0 Gauge	25 Ft. Coil	Red
BC30-25R	3/0 Gauge	25 Ft. Coil	Red
BC40-25R	4/0 Gauge	25 Ft. Coil	Red
BC4-100	4 Gauge	100 Ft. Coil	Black
BC2-100	2 Gauge	100 Ft. Coil	Black
BC1-100	1 Gauge	100 Ft. Coil	Black
BC10-100	1/0 Gauge	100 Ft. Coil	Black
BC20-100	2/0 Gauge	100 Ft. Coil	Black
BC30-100	3/0 Gauge	100 Ft. Coil	Black
BC40-100	4/0 Gauge	100 Ft. Coil	Black



BC10-25



BC10-25R

Color Keyed® – Battery Cable/Connector System

KOPR-SHIELD® CONDUCTIVE ANTI-CORROSION SURFACE COMPOUND

The Copper Colloidal Surface Treatment That Protects, Lubricates and Enhances Conductivity Between All Electrical Connections

Good connections are one of the most important aspects of electrical work. Mechanics know how much down-time is caused when fluids or oils leak into the raceway system or looking for a weak link in a ground system caused by a high resistance connection. Mechanics also know how much time is spent keeping contacts, switches, lugs and other connectors clean or replacing parts because of "green scourge" build-up. Thomas & Betts has the solution to improve connections made in thousands of electrical and raceway installations made each day by electricians everywhere.

Kopr-Shield compound is a unique homogenized blend of pure, polished colloidal copper, rust and corrosion inhibitors that simultaneously protects, lubricates and enhances the conductivity of the mating surfaces to which it is applied. Extremely adhesive, Kopr-Shield compound flows smoothly into uneven contours and voids, making application easy, protection and lubrication complete and positive. A stable compound, it will not settle-out, thin, thicken, harden, or dry out under the most severe environmental conditions.

Kopr-Shield Compound has excellent temperature characteristics – brushed on at –50F to 250F (other compounds either turn solid or run like water at these extremes). Even at 1800F, Kopr-Shield remains intact for short terms.

Kopr-Shield Compound may be used to advantage in all electrical installations. When the environment is hostile to good electrical and mechanical connections, Kopr-Shield Compound is a must!



Use Kopr-Shield Compound for Battery Lugs and Cables
- Prevention of "Green Scourge" corrosion
- Reduction of resistance
- Ease of terminal installation and removal

Use Kopr-Shield Compound for Raceways
- Lubrication – Ease of assembly and disassembly
- Grounding Continuity Improved – Exceeds code requirements

Use Kopr-Shield Compound for Fuse Clips
- Even Heat Distribution – Elimination of hot spots
- Oxidation Prevention – Prevents carbon path formation
- Lubrication – Easy installation and removal of fuses

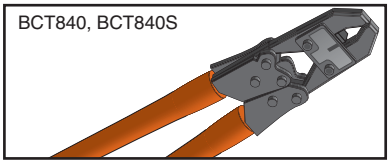
Use Kopr-Shield Compound for Wiping Contacts, Drum Switches and Slip Rings
- Prevention of galling, burning, pitting and discoloration
- Suppression of arching and dissipation of coronas
- Lubrication for ease of operation

Cat. No.	Description
201-31879	1 1/2 oz. Container with brush
201-31879-1	4 oz. Container with brush
CP8	8 oz. Container with brush
CP16	16 oz. Container with brush

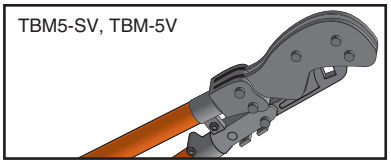
*Kopr-Shield Product of Jet-Lube, Inc.

CRIMPING TOOLS

BCT840, BCT840S



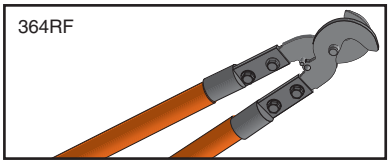
TBM5-SV, TBM-5V



Cat. No.	Description
	• Adjustable die crimping tool for Color-Keyed® cast and tubular connectors.
BCT840	• The single die is an integral part of the tool; no dies to lose or misplace.
BCT840S	• Available with Sure-Stake™ mechanism to insure a complete crimp every time. (BCT840S)
	• Crimps casting and tubular connectors ranging from 4 AWG to 4/0.
TBM5V	• Heavy Duty crimping tool including dies for 8AWG-4/0 battery connectors, lugs, and splices.
TBM5-SV	• Available with Sure-Stake™ mechanism to insure a complete crimp every time. (TBM5-SV)

CABLE CUTTER

364RF



Cat. No.	Description
	• Cuts cable up to 350 MCM
364RF	• Fiberglass handles and carbon steel blades
	• For copper and aluminum cable only

Shrink-Kon® – Heat Shrinkable Insulators

HS SERIES

- Heavy wall heat shrinkable tubing provides maximum reliability for insulating and protecting battery connectors and terminations.
- Withstands severe mechanical requirements; submersible installations.
- High impact, abrasion, corrosion and chemical resistance.
- Rated for 600V, 90°C continuous use.
- Thermoplastic adhesive liner provides complete environmental protection and insulation.
- Meets: UL 486D, CSA C22.2 No. 198.2, ANSI C119.1, Western Underground Guide Numbers 2.4, 2.5, ICEA and NEMA insulation thickness requirements.
- Continuous operating temperature: -55°C to 110°C. Shrink temperature 120°C. Shrink ratio 3:1.

Black

Cat. No.	Min. Expanded I.D. (in.)	Max. Recovered I.D. (in.)	Nom. Recovered Wall (in.)	Std. Lgth.	Fits Any Listed or Certified Al or Cu Splice with Dim No Larger Than O.D.	Lgth.	Cable Range	Pkg. Qty.
HS16-12				3 in.				5
HS16-12L	.350"	.120"	.070"	6 in.	17⁄64"	1"	#14 to #10	5
HS16-12-4				4 ft.			AWG	5
HS12-6				3 in.				5
HS12-6L	.510"	.160"	.090"	6 in.	3⁄8"	1¾"	#8 to #6	5
HS12-6-4				4 ft.			AWG	5
HS6-1				4 in.				5
HS6-1L	.750"	.240"	.090"	8 in.	5⁄8"	2½"	#6 to #2	5
HS6-1-4				4 ft.			AWG	5
HS4-30				5 in.				5
HS4-30L	1.100"	.350"	.120"	9 in.	¾"	3¼"	#1 to 3/0	10
HS4-30-4				4 ft.			AWG	5
HS40-400				8 in.				5
HS40-400L	1.500"	.470"	.160"	12 in.			2/0 to 350	5
HS40-400-4				4 ft.			MCM	5
HS500-1000				9 in.			250 MCM	5
HS500-1000L	2.00"	.630"	.160"	15 in.			to	5
HS500-1000-4				4 ft.			600 MCM	5





T&B's heat shrinkable tubing is made of thermally stabilized cross-linked polyolefin. This provides a recovered wall thickness greater than that of the cable jacket replaced. The insulating covers which have an internally applied sealant offer protection against moisture, may be used over lead, steel, aluminum, copper, standard plastic and elastomeric insulating materials.

Red

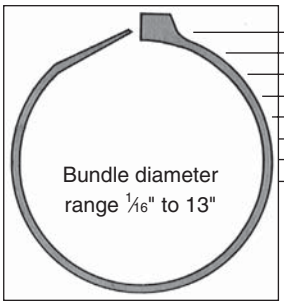
Cat. No.	Min. Expanded I.D. (in.)	Max. Recovered I.D. (in.)	Lgth. (in.)	For 2-Way Connector Cable Sizes	Pkg. Qty.
HS16-12LR	.350"	.120"	6"	14-10 AWG	5
HS12-6LR	.510"	.160"	6"	8-6 AWG	5
HS6-1LR	.750"	.240"	8"	6-2 AWG	5
HS4-30LR	1.100"	.350"	9"	1-3/0 AWG	10
HS40-400LR	1.500"	.470"	12"	2/0-350 MCM	5
HS500-1000LR	2.000"	.630"	15"	250-600 MCM	5



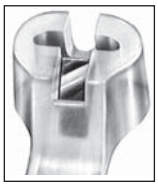
All lengths have factory applied sealant.
For other sizes and lengths including flame retardant grades consult factory.
U.L. File No. 9809, U.L. 486D
** Not U.L. Listed

Ty-Rap® – Cable Tying System

TY-RAP® CABLE TIES



- Low-profile head. Good looks—won't snag.
- Stainless steel lock. Maintains right tension.
- Easy to install, won't slip. Mechanic's grip.
- Infinitely adjustable design. Always the "right" size.
- Smooth molded body. Won't cut into insulation.
- Ribbed and stippled back. Won't slip on bundle.
- Registered as Standard 1565
- Qualified under OPC 23190

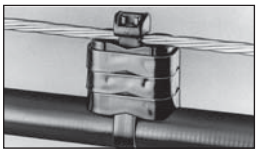


Always ask for TY-RAP® brand cable ties by name.
TY-RAP cable ties give you these important features and benefits.

- **Smooth body design** with smooth rounded edges and uniform cross sections. They have **no** notches, thereby reducing stress areas that can weaken the tie, causing brittle breakage especially in cold temperature conditions. The smooth design also avoids damage to cable insulation.
- **Stainless steel locking device** in the head. This means they are infinitely adjustable within their bundle range. You get the right bundle tightness every time. Corrosion resistant type 316 stainless steel.

DELTEC® CABLE TIES





The DELTEC cable ties were designed for outdoor applications that require strength, durability and ease of installation. This was accomplished by the use of innovative materials and creative design. Superior performance can be attributed to both the materials, used, weatherable acetal, and the traditional "smooth body" design, which has proven to be less stress-sensitive than notched cable ties.

Weathering
DELTEC cable ties offer excellent resistance to ultraviolet light. They maintain good tensile properties in applications that require much greater life than standard weatherable ties.

Moisture
DELTEC cable ties, exposed to 100% RH, will absorb .8% compared to nylon 6/6 which will absorb as much as 8.5%. Weatherable acetal is a low moisture-absorbing material, and the effect of water is minimal.

Chemicals
Weatherable acetal compositions have excellent resistance to a variety of solvents, oil greases, gasoline and other petroleum hydrocarbons. However, DELTEC cable ties are not recommended for use with strong acids.



CABLE TIE WITH DOUBLE-LOCKING HEAD

Cat. No.	Body Width	Length (in.)	Maximum Wire Bundle Diameter (in.)	Tensile Strength (lbs.)	Pkg. Qty.
TYD5135M	.500	13.5	3.5	250	5
TYD5270M	.500	27.0	8.0	250	5

The recommended maximum continuous static loading for the DELTEC straps is 20 lbs. per strap. For best results suggested spacing is 15 inches. It is the responsibility of the user to determine whether or not their application meets our recommendation.

Note: Use WT3D Tool for tonsining and cutoff.



DELTEC® STRAP ON A REEL

Cat. No.	Description	Tensile Strength (lbs.)	Body Width	Pkg. Qty.
TYD-50R	50 foot reel of strap	250	.500	1



LOCKING HEADS

Cat. No.	Description	Pkg. Qty.
TYD-LH	Heads only for DELTEC strap	25


CSS-H


CSS-B

DELTEC® BASE AND HANGER

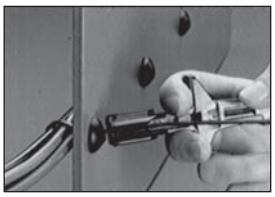
Cat. No.	Description	Pkg. Qty.
CSS-B	Base for Deltec strap	50
CSS-H	Hanger for Deltec strap	50

- ***Made of zinc-plated steel***
- ***Secures cables to all types of surfaces***

Ty-Rap® – Cable Tying System

UNIVERSAL CLAMP

- One-piece design, fast and convenient to use
- Lowers your installed cost
- Clamping range of 1/16 to 2-3/8 inches reduces your inventory—one clamp replaces many
- Visually attractive—head resembles rivet
- Locking grooves maintain tight grip



Std. Pkg. Cat. No.	Body Width (in.)	Length (in.)	Maximum Wire Bundle Diameter (in.)	Hole Size	Tensile Strength	Pkg Qty.
TY541M	.225	9.60	2.37	.32-.68	65	50

Note: Loop tie through hole in frame, around electrical, hydraulic, or air hoses to be clamped, and through head. Tighten and cut off with WT2, WT197 tool. Visually looks like a rivet.

STAINLESS STEEL CABLE TIES

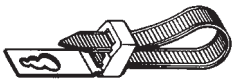
Stainless steel cable ties have been designed for high-temperature applications as in boiler rooms, and for use in areas of harsh, corrosive environments such as shipyards and off-shore oil platforms. They are made of type 316 stainless steel, and rated at 200 pound tensile strength. Smooth edges protect both the cable insulation and the installer.



Cat. No.	Body Width (in.)	Length (in.)	Maximum Wire Bundle Diameter (in.)	Tensile Strength (lbs.)	Pkg. Qty.
TYS8	.310	10.65	2	200	50
TYS14	.310	14.65	4	200	25
TYS22	.310	22.65	6	200	25
TYS28	.310	28.65	8	200	25

WEATHER-RESISTANT NYLON 12 HANGER STRAP (RELEASABLE)

Cat. No.	Body Width (in.)	Length (in.)	Maximum Wire Bundle Diameter (in.)	Hook Material	Tensile Strength (lbs.)	Pkg. Qty.
TY54407X	.500	6.36	2	Steel	200	50
TY54413X	.500	13.75	4	Steel	200	25



Nylon 12 provides very good resistance to ultraviolet light and chemical exposure. Nylon 12 is a lower, moisture-absorbing material than 6/6 nylon and the effect of water on properties is much less.

The recommended, maximum continuous static loading for the nylon 12 straps is 25 lbs. per strap. For best results suggested spacing is 15 inches. It is the responsibility of the user to determine whether or not their application meets our recommendation.

WEATHER-RESISTANT NYLON 12 MESSENGER HANGER STRAP (RELEASABLE)

Cat. No.	Body Width (in.)	Length (in.)	Maximum Wire Bundle Diameter (in.)	Hook Material	Tensile Strength (lbs.)	Pkg. Qty.
TYM5412X	.500	12	3	Bronze	200	50
TYM5418X	.500	18	5	Bronze	200	25
TYM5423X	.500	24	7	Bronze	200	25
TYM5412X-S	.500	12	3		200	50
TYM5418X-S	.500	18	5	Stainless	200	25
TYM5423X-S	.500	24	7	steel	200	25



Nylon 12 provides very good resistance to ultraviolet light and chemical exposure. Nylon 12 is a lower, moisture-absorbing material than 6/6 nylon and the effect of water on properties is much less.

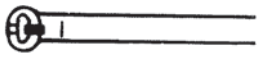
The recommended, maximum continuous static loading for the nylon 12 straps is 25 lbs. per strap. For best results suggested spacing is 15 inches. It is the responsibility of the user to determine whether or not their application meets our recommendation.

Ty-Rap® – Cable Tying System

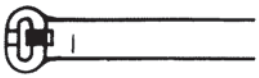
STANDARD NYLON 6/6 CABLE TIES



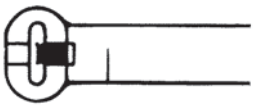
TY523M
Tie body width .091"



TY524
Tie body width .140"



TY525M
Tie body width .184"



TY5272M
Actual size body width .270"

Cat. No.	Body Width (in.)	Length (in.)	Maximum Wire Bundle Dia. (in.)	Military Standard Part No.	Tensile Strength (lbs.)	Pkg. Qty.
TY523M	.091	3.62	.625	MS3367-4	18	100
TY52315M	.091	7.00	1.500	—	18	50
TY5232M	.091	8.00	2.000	—	18	50
TY5234M	.091	14.00	4.000	—	18	50
TY524M	.140	5.50	1.125	MS3367-5	40	50
TY5242M	.140	8.19	2.000	—	40	50
TY526M	.140	11.10	3.000	—	40	50
TY5244M	.140	14.50	4.000	—	40	50
TY525M	.184	7.31	1.750	MS3367-1	50	50
TY5253M	.184	11.40	3.000	MS3367-7	50	50
TY528M	.184	14.20	4.000	MS3367-2	50	50
TY5272M	.270	8.00	2.000	—	120	25
TY527M	.270	13.40	3.500	MS3367-3	120	25
TY5275M	.270	18.00	5.000	—	120	25
TY5277M	.270	24.30	7.000	—	120	25
TY529M	.301	30.00	9.000	MS3367-6	120	25
TY53510M	.320	35.00	10.000	—	175	25
TY54513M	.320	45.00	13.000	—	175	25

Cable ties made from natural nylon 6/6 are excellent performers in most applications. Nylon 6/6 is recommended for use in temperatures ranging from 185°F to -40°F.

E14

NYLON 6/6 WEATHER RESISTANT CABLE TIES



TY523MX
Tie body width .091"



TY524MX
Tie body width .140"



TY525MX
Tie body width .184"



TY5272MX
Actual size body width .270"

The MX series cable ties are recommended for outdoor use. The addition of carbon black provides good ultraviolet resistance and prolongs the useful life of the cable tie.

Cat. No.	Body Width (in.)	Length (in.)	Maximum Wire Bundle Dia. (in.)	Military Standard Part No.	Tensile Strength (lbs.)	Pkg. Qty.
TY523MX	.091	3.62	.625	MS3367-4	18	50
TY52315MX	.091	7.00	1.500	—	18	50
TY5232MX	.091	8.00	2.000	—	18	50
TY5234MX	.091	14.00	4.000	—	18	50
TY524MX	.140	5.50	1.125	MS3367-5	40	50
TY5242MX	.140	8.19	2.000	—	40	50
TY526MX	.140	11.10	3.000	—	40	50
TY5244MX	.140	14.50	4.000	—	40	50
TY525MX	.184	7.31	1.750	MS3367-1	50	50
TY5253MX	.184	11.40	3.000	MS3367-7	50	50
TY528MX	.184	14.20	4.000	MS3367-2	50	50
TY5272MX	.270	8.00	2.000	—	120	25
TY527MX	.270	13.40	3.500	MS3367-3	120	25
TY5275MX	.270	18.00	5.000	—	120	25
TY5277MX	.270	24.30	7.000	—	120	25
TY529MX	.301	30.00	9.000	MS3367-6	120	25
TY53510MX	.320	35.00	10.000	—	175	25
TY54513MX	.320	45.00	13.000	—	175	25

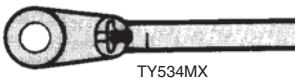
* For military compliance of weather resistant black 120 lbs. ties, replace suffix X with O (ie. TY27M-0).



ULTRAVIOLET RESISTANT



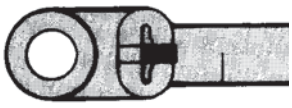
TY533MX



TY534MX



TY535MX
TY5354MX



TY537MX

NYLON 6/6 WEATHER RESISTANT

Std. Pkg. Cat. No.	Body Width (in.)	Length (in.)	Maximum Wire Bundle Diameter (in.)	Mounting Hole	Tensile Strength (lbs.)	Pkg. Qty.
TY533MX	.091	4.00	.625	#4	18	50
TY534MX	.140	6.00	1.125	#8	40	50
TY535MX	.184	7.80	1.750	#10	50	50
TY5354MX	.184	14.60	4.000	#10	50	50
TY537MX	.301	13.90	3.500	¼	120	50

Ty-Rap® – Cable Tying System

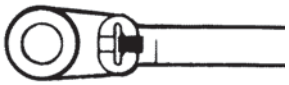
TY-RAP® CABLE STRAPS AND CLAMPS

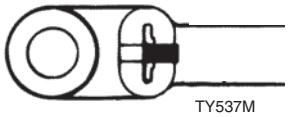
Std. Pkg. Cat. No.	Body Width (in.)	Length (in.)	Maximum Wire Bundle Diameter (in.)	Mounting Hole	Tensile Strength (lbs.)	Pkg. Qty.
TY533M	.091	4.00	.625	#4	18	50
TY534M	.140	6.00	1.125	#8	40	50
TY535M	.184	7.80	1.750	#10	50	50
TY5354M	.184	14.60	4.000	#10	50	50
TY537M	.301	13.90	3.500	¼	120	50
TY554M	.140	5.96	1.125	3⁄16	40	50
TY538M	.184	7.80	1.750	¼	50	50

Cable ties made from natural nylon 6/6 are excellent performers in most applications. Nylon 6/6 is recommended for use in temperatures ranging from 185°F to -40°F.

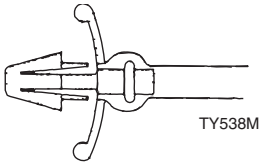

TY533M


TY534M


TY535M
TY5354M


TY537M


TY554M


TY538M



NYLON 12 TIES

Pkg. Cat. No.	Body Width (in.)	Length (in.)	Maximum Wire Bundle Diameter (in.)	Tensile Strength (lbs.)	Pkg. Qty.
TYC25MX	.184	7.31	1.75	35	50
TYC28MX	.184	14.20	4.00	35	50
TYC272MX	.270	8.00	2.00	85	50
TYC27MX	.270	13.20	3.50	85	50

This material provides very good resistance to ultraviolet light and chemical exposure. Nylon 12 is a lower, moisture-absorbing material than 6/6 nylon and the effect of water on properties is much less.



HEAT-STABILIZED TIES

Pkg. Cat. No.	Body Width (in.)	Length (in.)	Maximum Wire Bundle Diameter (in.)	Tensile Strength (lbs.)	Pkg. Qty.
TYH24M	.140	5.50	1.125	30	50
TYH25M	.184	7.31	1.75	50	50
TYH28M	.184	14.20	4.00	50	50
TYH27M	.270	13.20	3.50	120	50

Heat-stabilized ties are recommended for higher continuous temperature use (221°F/105°C).

Material meets ASTM D4066 PA121.

The MX series cable ties are recommended for outdoor use. The addition of carbon black provides good ultraviolet resistance and prolongs the useful life of the cable tie.


WEATHER RESISTANT


HIGH TEMPERATURE

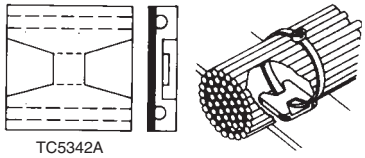

ULTRAVIOLET RESISTANT

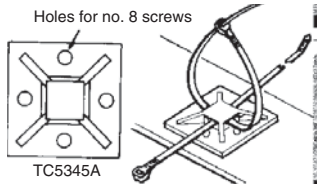
TY-RAP® CABLE TIE MOUNTING BASES

(adhesive backed, epoxy or screws)

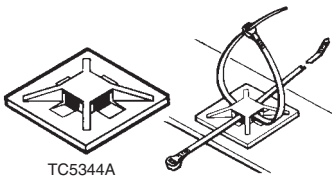
Cat. No.	Mounting Method	Max. Tie Width Accom.	Length (in.)	Width (in.)	Material	Pkg. Qty.
TC5342A	Adhesive	.190	1.125	1.125	Nylon 6/6	25
TC5345A	Adhesive	.190	1.125	1.125	Nylon 6/6	25
TC5344A	Adhesive	.140	.750	.750	Nylon 6/6	25
TC5353A	Adhesive	.190	2.000	1.000	Nylon 6/6	5
TC5347A	Adhesive	.301	1.125	1.125	Nylon 6/6	25

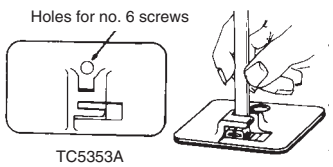
Note: For adhesive back bases temperature rating is -0°F to +120°F


TC5342A

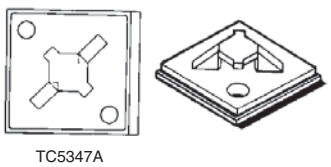


TC5345A


TC5344A



TC5353A


TC5347A

Marrette® – Wire Connectors / E-Z-Code® – Identification Products

MARRETTE® XTP® WIRE CONNECTORS (non-winged)



Cat. No.	Shipping Description	Pkg. Qty.	U.P.C. 067396-
329-P	XTP-GRAY-100 pc/box	100	067396-00866
330-P	XTP-BLUE-100 pc/box	100	067396-00869
331-P	XTP-ORANGE-100 pc/bulk box	100	067396-00331
333-P	XTP-YELLOW-100 pc/box	100	067396-00333
335-P	XTP-RED-100 pc/box	100	067396-00335

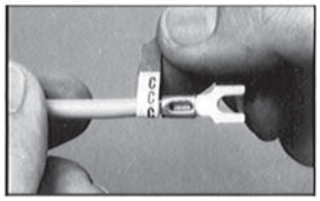
MARRETTE® TYPE II® WIRE CONNECTORS (winged)



Cat. No.	Shipping Description	Package (PC)	U.P.C. 067396-
733-P	TYPE II YELLOW-100 pc/box	100	067396-00750
735-P	TYPE II RED-100 pc/box	100	067396-00818
739-P	TYPE II BLUE-50 pc/box	50	067396-00819

E-Z-CODE® WBC VINYL CLOTH, STANDARD BOOKS





Cat. No.	Number of Markers and Legends
WM-0 thru 9	40 Markers each: 0 thru 9; 10 Markers each: T1, T2, T3, L1, L2, L3
WM-0-9M	46 Markers each page; full page of 1, full page of 2, etc.
WM-0-45	10 Markers each: 0 thru 45
WM-A-Z	10 Markers each: A thru Z, +, -, and 0 thru 15
WM-A-33	10 Markers each: 1 thru 33, A, B, C, +, -, T1, T2, T3, L1, L2, L3
	6 Markers each: 0 thru 15;

Order by book. Price per book.

T&B Conduit Fittings® – XTRAFLEX® System

PLASTIC BULLET® LIQUIDTIGHT FITTINGS

Plastic Bullet® Liquidtight Fittings for T&B LTC Nonmetallic Liquidtight Conduit Type B and T&B EFC Flexible Tubing

Cat. No.	Fig.	Trade Size	A ±.015 (.040) (in.) (mm)	*B ±.035 (0.90) (in.) (mm)	C ±.015 (0.40) Across Corners (in.) (mm)	Min. Throat Dia. D (in.) (mm)	E Thread NPT	F* (in.) (mm) Approx.	Pkg. Qty.
LT38P	1		.570	1.595 (40.51)	1.354	.417		—	5
LT438P	2	⅜	(14.48)	2.012 (51.10)	(34.39)	(10.59)	½-14	1.534 (38.95)	5
LT938P	3			1.380 (35.05)				1.880 (47.75)	5
LT50P	1		.570	1.636 (41.55)	1.448	.550		—	5
LT450P	2	½	(14.48)	2.092 (53.14)	(36.78)	(13.97)	½-14	1.590 (40.39)	5
LT950P	3			1.489 (37.82)				1.986 (50.44)	5
LT75P	1		.582	1.757 (44.63)	1.740	.740		—	5
LT475P	2	¾	(14.78)	2.452 (62.28)	(44.20)	(18.80)	⅜-14	1.821 (46.25)	5
LT975P	3			1.790 (45.47)				2.212 (56.)	5
LT100P	1		.726	1.923 (48.84)	2.068	.940		—	5
LT4100P	2	1	(18.44)	2.684 (68.17)	(52.53)	(23.88)	1-11½	2.034 (51.66)	5
LT9100P	3			2.104 (53.44)				2.508 (63.70)	5
LT125P	1		.750	2.164 (54.97)	2.494	1.257		—	5
LT4125P	2	1¼	(19.05)	3.264 (82.91)	(63.35)	(31.93)	1¼-11½	2.385 (60.58)	5
LT9125P	3			2.564 (65.13)				2.856 (72.54)	5
LT150P	1		.767	2.353 (59.77)	2.784	1.453		—	2
LT4150P	2	1½	(19.48)	3.605 (91.57)	(70.71)	(36.91)	1½-11½	2.604 (66.14)	2
LT9150P	3			2.854 (72.49)				3.144 (79.86)	2
LT200P	1		.794	2.605 (66.17)	3.362	1.883		—	1
LT4200P	2	2	(20.17)	4.210 (106.93)	(85.39)	(47.83)	2-8	3.050 (77.47)	1
LT9200P	3			3.432 (87.17)				3.675 (93.34)	1

* After Assembly
U.L. File No. E-23018
CSA File No. 52391

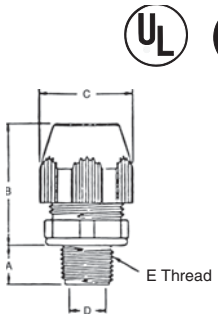


Figure 1

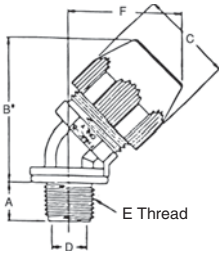


Figure 2

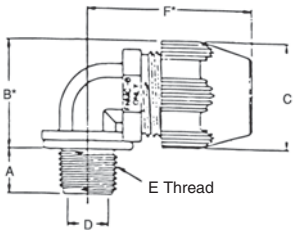


Figure 3

Suggested Specification:
Where liquidtight flexible nonmetallic conduit (U.L. Type B) or liquidtight flexible nonmetallic tubing is terminated to a box or enclosure, the nonmetallic connectors used shall be able to be installed without disassembly and provide a positive installation criteria. In the installed condition, the connector must provide a seal meeting watertight requirements of NEMA Type 4 and Type 6 enclosures. The performance of connectors shall be unaffected by exposure to detergents, sanitizers, cutting fluids, wire pulling compunds and oil base industrial paints. The connector must also be capable of withstanding Marine environment and cold impact simulating a hammer blow. Installed connectors shall be of the elongated gland type as manufactured by Thomas & Betts LT38P series.

SMOOTH LIQUIDTIGHT NONMETALLIC CONDUIT Type B

Industrial Grade U.L./CSA Listed

- Liquidtight nonmetallic conduit Type B
- Black color standard
- Fast installation—even in tight, cramped spaces
- Smooth inner diameter allows easy wire pulling
- Smooth outer jacket—uses material approved for outdoor use, is sunlight resistant and oil resistant
- Tested to CSA and U.L. requirements
- Lightweight
- Liquidtight
- Temperature range of -18°C to +105°C (-2°F to +221°F)
- Marked at one-foot intervals for fast, easy measuring and cutting



Cat. No.	Conduit Size	I.D. (in.) min.	I.D. (in.) max.	O.D. (in.) min.	O.D. (in.) max.	Feet per Roll
LTC038	⅜"	.484	.504	.690	.710	100
LTC050	½"	.622	.642	.820	.840	100
LTC075	¾"	.820	.840	1.030	1.050	100
LTC100	1"	1.041	1.066	1.290	1.315	100
LTC125	1¼"	1.380	1.410	1.630	1.660	100
LTC150	1⅜"	1.575	1.600	1.865	1.900	50
LTC200	2"	2.020	2.045	2.340	2.375	50

U.L. Listed, U.L. File No. E95745
CSA Certified, CSA File No. LL80349
See technical data next page.
Use with Bullet® Liquidtight Fittings

Recommended Industrial Applications

- Machine tools
- Motor hookups
- Food processing equipment
- Extensions from wireways
- Sensor and microswitch wiring found in control consoles

Available Colors

Cat. No. LTC—	Color of Conduit	Color of Marking
w/o suffix	Black	Orange
-1	Orange	Black
-2	Blue	Black

T&B Conduit Fittings® – XTRAFLEX® System

CORRUGATED FLEXIBLE NONMETALLIC TUBING

OEM Grade U.L. Recognized



- Black color standard
- Maximum flexibility in tight applications
- Extremely fast installation
- Liquidtight with specified fittings
- Good tensile strength provides excellent pullout protection
- Smooth inner diameter allows easy wire pulling
- Broad operating temperature range—-18°C to +60°C (-2°F to +140°F)

Recommended Industrial Applications

- Protection of fiber optic cable
- Installation of instrumentation and control cable
- Indoor/outdoor lighting
- Packaging equipment
- Marine and shipboard wiring
- Flexing—component wiring protection on robots, graphic arts equipment, etc.

Cat. No.	Conduit Size	I.D. (in.) min.	I.D. (in.) max.	O.D. (in.) min.	O.D. (in.) max.	Feet per Roll
***EFC025**	¼"	.390	.405	.560	.575	100
EFC038	⅜"	.484	.504	.690	.710	100
EFC050	½"	.622	.642	.820	.840	100
EFC075	¾"	.820	.840	1.030	1.050	100
EFC100	1"	1.041	1.066	1.290	1.315	100
EFC125	1¼"	1.380	1.410	1.630	1.660	100
EFC150	1½"	1.575	1.600	1.865	1.900	50
EFC200	2"	2.020	2.045	2.340	2.375	50

* Not CSA Certified.
Underwriters Recognized
U.L. File No. 96548
CSA File No. 067241
See technical data next page.
Use with Bullet® Liquidtight Fittings.

Available Colors

Cat. No. LTC—	Color of Conduit
w/o suffix	Black
-1	Orange
-2	Blue

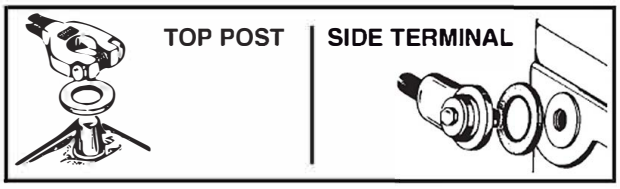
BATTERY PROTECTION / CABLE

BATTERY TERMINAL PROTECTORS

- Prevent power robbing corrosion buildup.
- Extend life of batteries, terminals and holddowns.
- Easy installation with no special tools.
- Will not dry out, crack or evaporate.

Terminal Protectors Prevent:

- Loss of cranking power.
- Loss of charge due to electrical leakage.
- Increased water consumption from overcharging.
- Increased fuel consumption from energy required for overcharging.





Top Post Protectors
Part No. 33020

Each Can Contains 100 Protectors



Side Terminal Protectors
Part No. 33021

BRUSH-ON BATTERY CORROSION PREVENTATIVE

- Use on terminals, cables, holddowns and trays.
- Thick jelly-like consistency; will not drip or sag.
- Color: Red.



Part No. 33019
4 fl. oz. (113 g.)
Brush Top Can

AEROSOL BATTERY CLEANER & PROTECTOR

2 Products In 1

- Spray once to clean. Foaming action penetrates and cleans acid and corrosion.
- Wipe clean.
- Spray again to have a long lasting, neutral protective coating.
- Color: Red.



Part No. 13139
14 oz. Net wt. (397 g.)
(20 fl. oz. vol.)

KOPR-SHIELD®, CONDUCTIVE COPPER COMPOUND

The copper colloidal surface treatment that protects, lubricates and enhances conductivity between all electrical connections.

FOR USE ON: battery posts and connectors, light bulb bases and lamps sockets, lens gaskets, fuse clips, ground connections, electrical contacts and starter-alternator studs.

- Virtually eliminates corrosion, prevents "The green scourge".
- Improves electrical conductivity.
- Provides easy terminal installation and removal when stud mounted.
- Improves and maintains most types of electrical connections.
- Virtually eliminates water, corrosive fluids and damaging gases from entering the connection.
- -50°F to 250°F temperature range.
- Even at 1800°F, Kopr-Shield remains intact for short term.
- Extremely adhesive, stays where it is applied.

PART NUMBER	DESCRIPTION
20131879	1-1/2 oz. container w/brush
201318791	4 oz. container w/brush
CP8	8 oz. container w/brush
CP16	16 oz. container w/brush



POST STYLE BATTERY CABLES

For cars, light trucks and marine use.

- High quality cables have 49 strands of heavy duty copper wire.
- Black PVC insulation*.
- Insulation resists oil, grease, moisture, temperature extremes.



2 Gauge

LENGTH INCHES	PART NUMBER	LENGTH INCHES	PART NUMBER
14	32901	32	32907
20	32903	38	32909
27	32905	43	32910

6 Gauge

LENGTH INCHES	PART NUMBER	LENGTH NUMBER	PART NUMBER
10	32935	27	32906
12	32902	30	32908
15	32936	38	32938
20	32904	42	32911
24	32937	56	32912

ASSORTMENT AVAILABLE
Assortment contains two each of the following sizes: 10", 12", 15", 20", 24", and one each of 30" and 38" cables.

Part No. 32900*

***6 gauge also available with Red PCV insulation. Add "R" suffix to part number.**

BATTERY / CABLE

POST STYLE with REGULATOR WIRE



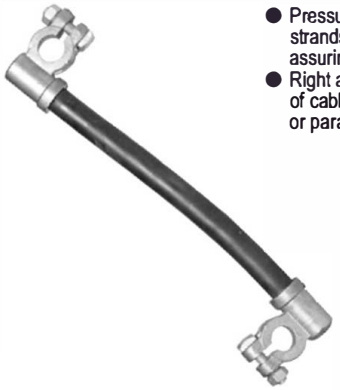
- Black PVC insulation*.

6 Gauge

LENGTH INCHES	PART NUMBER	LENGTH INCHES	PART NUMBER
25	32913	42	32916
32	32914	51	32917
38	32915		

***Also available with Red PCV insulation. Add "R" suffix to part number.**

POST STYLE - CROSSOVER



- Pressure cast construction forms the cable strands and lead terminals into a solid mass, assuring a perfect electrical connection.
- Right angle post style terminal on both ends of cable for ease in joining batteries in series or parallel.

LENGTH INCHES	PART NUMBER	CABLE SIZE
8	322175	2/0
12	322176	2/0

POST STYLE - CHRYSLER POSITIVE

Multi-Lead 6 Gauge



- 1976-on

LENGTH INCHES	PART NUMBER
38	32945
48	32946
56	32947

BATTERY CABLE

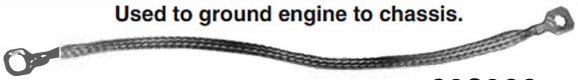


- Stranded copper conductor.
- Polyvinyl insulation.
- 25 ft. per roll.
- Thick jacket is easy to strip, resists moisture, weather, oil, and acids.

GAUGE	PART NUMBER BLACK	PART NUMBER RED	STRANDING	O.D.
6	33112	222161	44 x .023	.375
4	33113	222162	49 x .021	.375
2	33105	222163	84 x .021	.450
1	33107	222164	133 x .022	.500
1/0	33114	222165	133 x .021	.530
2/0	33106	222166	133 x .020	.590
3/0	33117	222167	259 x .022	.650
4/0	33118	222168	418 x .024	.740

ENGINE GROUND STRAP

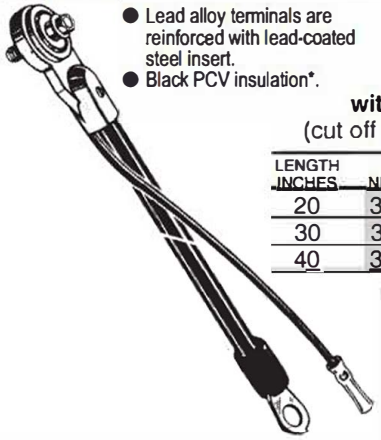
Used to ground engine to chassis.



Part No. 328206 6

- Prevents electrolytic etching of wheel bearings, transmission bearings and linkage bushings.
- 13" length, 100% copper braid.
- Most vehicles require 3 or more.
- GM 6287165.

SIDE TERMINAL BATTERY CABLES



- Lead alloy terminals are reinforced with lead-coated steel insert.
- Black PCV insulation*.
- 6 gauge.
- Serrated for positive, non-slip control.

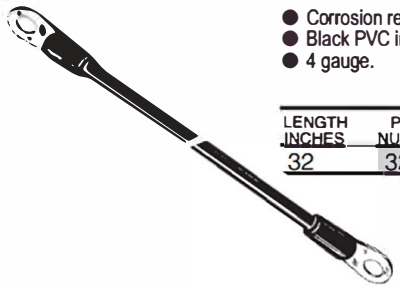
with regulator wire
(cut off or tape if not needed)

LENGTH INCHES	PART NUMBER	LENGTH INCHES	PART NUMBER
20	32925	50	32929
30	32927	65	32931
40	32928		

***Also available with Red PVC insulation. Add "R" suffix to part number.**

ASSORTMENT AVAILABLE
Contains seven cables, in the quantities listed:
(1) 20", (2) 30", (2) 40", (1) 50", (1) 65"
Part No. 32924

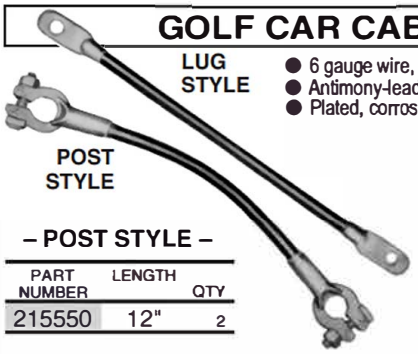
SWITCH TO STARTER CABLES



- Corrosion resistant, plated lugs.
- Black PVC insulation.
- 4 gauge.

LENGTH INCHES	PART NUMBER	LENGTH INCHES	PART NUMBER
32	32941	49	32942

GOLF CAR CABLES



- 6 gauge wire, black PVC insulation.
- Antimony-lead post terminals.
- Plated, corrosion-resistant, lug terminals.

– POST STYLE –

PART NUMBER	LENGTH	QTY
215550	12"	2

– LUG STYLE –

PART NUMBER	LENGTH	QTY
215529	8"	2
215530	12"	2
215531	16"	2
215532	20"	2

CABLE EXTENDERS

Use to replace corroded terminals, internal wire corrosion, or to lengthen existing cables.

- 6" overall length.
- Fits 2, 4 and 6 gauge cable.
- Includes regulator wire.
- Junction cover insulates connection.

Part No. 32933 6
Post terminal batteries

Part No. 32934 6
Side terminal batteries



BATTERY HARNESSES / BATTERY

MULTIPLE BATTERY HARNESSES

Group 31 and most other size batteries.

- Antimony-lead terminals with steel reinforcing ring cast inside clamp. All fasteners included.
- PVC insulated and factory sealed between cable and clamp to reduce corrosion.
- PTO (Power Take Off) stud or post makes retro-fit simple and fast.
- Tinned prior to casting to assure bond between copper and lead.
- 2/0 gauge copper wire, continuous length for maximum power, no splices. Meets or exceeds OEM quality.
- Save time and money by using pre-assembled harnesses.

2 BATTERY HARNESS



TOP POST WITH PTO POST

OVERALL LENGTH CENTER TO CENTER	PART NUMBER	POLARITY	COLOR
6-13/16	222301	Negative	Black
6-13/16	222302	Positive	Red



STUD TYPE WITH PTO POST

OVERALL LENGTH CENTER TO CENTER	PART NUMBER	POLARITY	COLOR
6-13/16	222303	Negative	Black
6-13/16	222304	Positive	Red



STUD TYPE WITH PTO STUD

OVERALL LENGTH CENTER TO CENTER	PART NUMBER	POLARITY	COLOR
6-13/16	222305	Negative	Black
6-13/16	222306	Positive	Red

3 BATTERY HARNESS



TOP POST WITH PTO POST

OVERALL LENGTH CENTER TO CENTER	PART NUMBER	POLARITY	COLOR
13-5/8	222307	Negative	Black
13-5/8	222308	Positive	Red



STUD TYPE WITH PTO POST

OVERALL LENGTH CENTER TO CENTER	PART NUMBER	POLARITY	COLOR
13-5/8	222309	Negative	Black
13-5/8	222310	Positive	Red



STUD TYPE WITH PTO STUD

OVERALL LENGTH CENTER TO CENTER	PART NUMBER	POLARITY	COLOR
14-3/4	222311	Negative	Black
14-3/4	222312	Positive	Red

VINYL COATED UNIVERSAL POST TERMINALS

- Vinyl coating eliminates surface corrosion - seals surface, prevent oxidation.
- Color coded - available in red (positive) or black (negative).
- Keeps terminals neat and clean. Insures safe installation.



Red Vinyl Coating
Part No. 322185 10



Black Vinyl Coating
Part No. 322186 10

TERMINAL PROTECTOR BOOTS



For Post Battery Cables

- Protects against accidental contact with exposed terminals.
- Color coded for positive and negative posts.
- Fits 4 and 6 gauge cables.

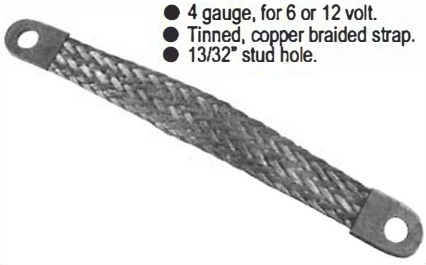
Red Boot
Part No. 322192 5

Black Boot
Part No. 322193 5

BATTERY STRAPS

BONDING STRAPS

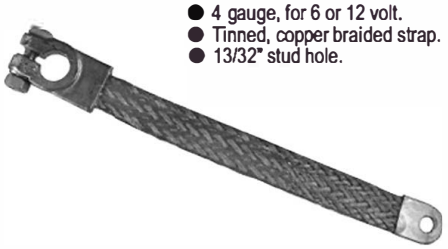
- 4 gauge, for 6 or 12 volt.
- Tinned, copper braided strap.
- 13/32" stud hole.



LENGTH INCHES	PART NUMBER
8	322187
12	322188
25	322189

GROUND STRAPS

- 4 gauge, for 6 or 12 volt.
- Tinned, copper braided strap.
- 13/32" stud hole.



LENGTH INCHES	PART NUMBER
9	32918
14	32919
19	32920
27	32921

E15

BATTERY / BATTERY TERMINALS

STUD TOP BATTERY CABLE



- 2/0 gauge wire.
- Molded tin-plated copper lugs and black PVC outer jacket.

LENGTH INCHES	PART NUMBER
8	322174
12	322179

FLAG to POST TERMINAL ADAPTERS



Converts Group U-1 flag terminal batteries to post terminals.

- Permits use of standard post style battery cables on utility, garden, lawn and landscape tractors and equipment.
- Eliminates corrosion problem that is common on flag connections.
- Post connection permits much higher conductivity to post terminal.

Part No. 222191 10

BATTERY MASTER SWITCH

Anti-Theft Battery Saver

- Available for top post and side post terminals.
- A quarter turn of the knob disconnects battery while cable stays connected.
- Removal of knob prevents theft.
- For 6, 12 or 24 volt batteries.
- Rated 100 amps continuous, 600 amps cranking.
- Not for us on marine and RV applications.

Top Post Terminals
Part No. 222192

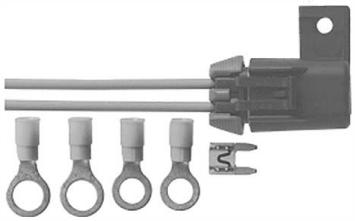


Side Post Terminals
Part No. 222193



OPTIONAL FUSE BYPASS KIT

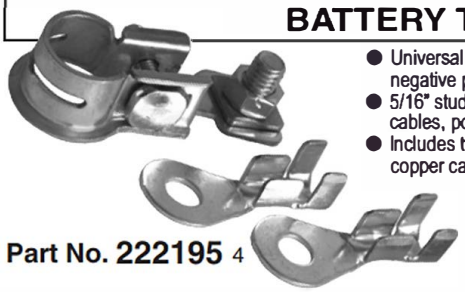
Includes: Fuse holder, 20 amp MINI fuse, ring terminals



- Use with #222192 and #222193 Battery Master Switches.
- Optional fuse bypass mounts between post bolt and cable bolt to allow current flow when switch is disconnected. This provides power to computers, radios, locks, clocks, etc. If an attempt is made to start the vehicle the fuse will blow.

Part No. 222194

UNIVERSAL LEAD-FREE BATTERY TERMINAL



- Universal style fits positive or negative posts
- 5/16" stud mount for lug type cables, popular on many imports.
- Includes two 4-6 ga. plated copper cable lugs.

Part No. 222195 4

UNIVERSAL POST TERMINALS



- 2-bolt clamp for tight, strong connection.
- Solid lead terminals.
- Corrosion-resistant, highest conductivity.
- Fits 6 gauge to 00 gauge cable.
- Available bulk boxed or mounted on display card.

Part No. 33001
25 bulk boxed

Part No. 33002
10 terminals/card

UNIVERSAL SIDE TERMINALS



- 2-bolt clamp for tight, strong connection.
- Repairs damaged side-terminal cables.
- Fits 6 gauge to 00 gauge cable.
- Made of antimony-lead.
- Available bulk boxed or mounted on display card.

Part No. 33008
25 bulk boxed

Part No. 33007
8 terminals/card

E-Z GRIP TERMINALS

- Single set screw for OEM appearance.
- Fits 6 gauge to 00 gauge cable.
- For 6 or 12 volt batteries.
- Made of antimony-lead.



Part No. 222155 25
for Post terminal batteries

Part No. 222156 25
for Side terminal batteries

TOP POST IMPORT CAR TERMINALS



- Sizes cover Asian and European imports.
- Brass construction.
- Crimp style closed barrel end.
- 300% more conductive than lead.
- Stainless steel bolt and nut.
- Sold in sets - terminals plus plastic covers (equal quantities of black and red).

SAE CABLE	PART NUMBER	QTY
6	222149	6
4	222150	6
1	222148	6

Part No. 222151 - Black 3
Part No. 222152 - Red 3
Insulator Cover

BATTERY TERMINALS

CONVERSION BATTERY TERMINALS

- Converts top post batteries to side terminal cables.
- No cutting or stripping - just screw side terminal cables into conversion battery terminals.
- High quality, corrosion resistant alloy cast.



Part No. 33005 6

MARINE BRASS TERMINALS

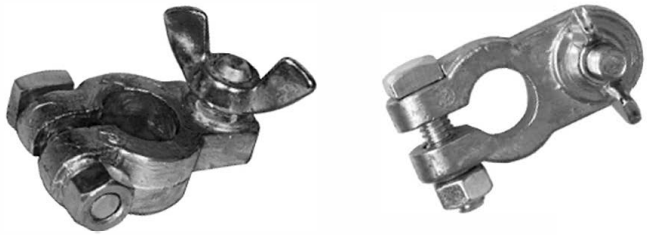
- Quick disconnect for starting circuit.
- Converts post battery to stud cables.
- Meets Coast Guard regulations.
- All fasteners included.



PART NUMBER	FITS POST	STUD SIZE	QTY
222182	Positive	3/8	2
222183	Negative	5/16	2

MARINE TERMINALS

- Solid lead.
- Quick disconnect wing nuts for fast, easy battery removal or storage.
- Terminals marked positive and negative.

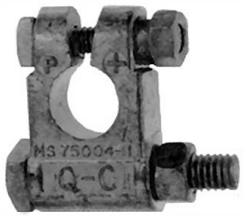


Positive - **Part No. 33003** (12)

Negative - **Part No. 33004** (12)

MILITARY TERMINALS

- Solid lead with steel reinforcing ring cast inside clamp for extra strength.
- Extra long bolt permits multiple connections and only 3/4" high.
- MIL-SPEC No.75004-1 Pos. 75004-2 Neg.



Positive
Part No. 222186 2

Negative
Part No. 222187 2

3-WAY FLEET TERMINAL

- Solid lead construction.
- #4 to 3/0 gauge cable.
- Fits both positive and negative posts.



Universal
Part No. 222184 4

QUICK ACTION TRUCK TERMINALS

- Just 1/2 turn opens or closes both ears.
- Permits quick, time saving attachment for hard to reach installations.
- Eliminates the need for terminal spreaders or pullers.



Straight - **Part No. 222190** 2

90° Elbow - **Part No. 222189** 2

QUICK ACTION TRUCK TERMINAL ADAPTER

Truck, marine, off highway, or industrial.

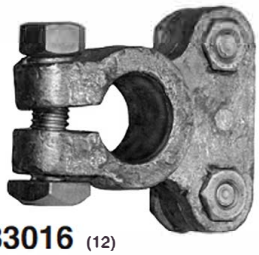
- Permits use of post-type batteries with top stud battery cable assemblies.
- Adapts top stud systems to readily available top post batteries. Eliminates roadside down-time.
- Use wherever an SAE type 3/8-16 stud battery is used.
- Stainless steel stud long enough to allow for multiple battery cables.



Universal **Part No. 222188** 2

HEAVY DUTY TRUCK EMERGENCY BATTERY TERMINAL

- Heavy duty, corrosion resistant clamping bolts and recessed nuts, for stronger, more positive connection. Corrosion resistant clamping plate.
- Beveled edge for easier installation.
- Heavy duty alloy casting.
- Fits all sizes up to and including 2/0 cable. Fits both positive and negative posts.



Universal **Part No. 33016** (12)

BATTERY TERMINAL AND ACCESSORY ASSORTMENT

- Includes popular automotive replacement battery terminals for domestics and imports, post and side terminal styles.
- Wide array of accessory replacements including adapters, bolts, nuts, extenders and covers.





Part No. 501668
74 pieces • 17 items • 12071 steel tray

11210	33008	33022	222152	222156	322190
33001	33011	222150	222154	222158	322191
33006	33016	222151	222155	322184	

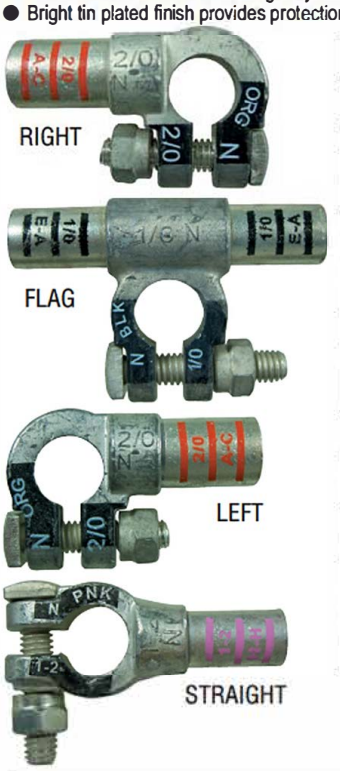
Numbers in assortment

E15

BATTERY TERMINALS

HEAVY DUTY COPPER BATTERY TERMINALS

- Rasied characters to ensure legibility.
- Bright tin plated finish provides protection against corrosion.
- Constructed of 131 contact copper to provide high conductivity.



LEFT ELBOWS

PART NUMBER	CABLE SIZE	POLARITY	T&B COLOR DIE CODE	DIE CODE	QTY
322122	1/0	Negative	Black	EA	5
322123	1/0	Positive	Black	EA	5
322124	2/0	Negative	Orange	AC	5
322125	2/0	Positive	Orange	AC	5
322126	3/0	Negative	Purple	AB	5
322127	3/0	Positive	Purple	AB	5
322094	4/0	Negative	Yellow	AA	5
322095	4/0	Positive	Yellow	AA	5

RIGHT ELBOWS

PART NUMBER	CABLE SIZE	POLARITY	T&B COLOR DIE CODE	DIE CODE	QTY
322116	1/0	Negative	Black	EA	5
322117	1/0	Positive	Black	EA	5
322118	2/0	Negative	Orange	AC	5
322119	2/0	Positive	Orange	AC	5
322120	3/0	Negative	Purple	AB	5
322121	3/0	Positive	Purple	AB	5
322096	4/0	Negative	Yellow	AA	5
322097	4/0	Positive	Yellow	AA	5

STRAIGHTS

PART NUMBER	CABLE SIZE	POLARITY	T&B COLOR DIE CODE	DIE CODE	QTY
322105	4	Universal	Gray	JH	5
322106	1-2	Negative	Pink	HH	5
322107	1-2	Positive	Pink	HH	5
322108	1/0	Negative	Black	EA	5
322109	1/0	Positive	Black	EA	5
322110	2/0	Negative	Orange	AC	5
322111	2/0	Positive	Orange	AC	5
322112	3/0	Negative	Purple	AB	5
322113	3/0	Positive	Purple	AB	5
322114	4/0	Negative	Yellow	AA	5
322115	4/0	Positive	Yellow	AA	5

FLAGS

PART NUMBER	CABLE SIZE	POLARITY	T&B COLOR DIE CODE	DIE CODE	QTY
322132	1/0	Negative	Black	EA	5
322133	1/0	Positive	Black	EA	5
322128	2/0	Negative	Orange	AC	5
322129	2/0	Positive	Orange	AC	5
322130	3/0	Negative	Purple	AB	5
322131	3/0	Positive	Purple	AB	5
322098	4/0	Negative	Yellow	AA	5
322099	4/0	Positive	Yellow	AA	5

E15

TERMINAL LUGS & BUTT CONNECTORS

- Heavy duty.
- Marked with T&B color tool die codes.
- Solid copper.

	8 Gauge		6 Gauge		4 Gauge		1-2 Gauge	
STUD SIZE	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
1/4	210117	25	210131	30	210120	25	210122	15
5/16	210118	25	210132	30	210133	25	210134	15
3/8	210119	25	210145	30	210121	25	210123	15
1/2	---	-	---	-	---	-	210146	15

	1/0 Gauge		2/0 Gauge		3/0 Gauge		4/0 Gauge	
STUD SIZE	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY	PART NUMBER	QTY
3/8	210125	15	210127	10	210147	5	210148	5
1/2	210126	15	210128	10	210129	5	210130	5



BUTT CONNECTORS

WIRE GAUGE	PART NUMBER	QTY
6	210137	25
4	210138	20
1-2	210139	15
1/0	210141	10
2/0	210142	10
3/0	210143	5
4/0	210144	5

INDUSTRIAL MAINTENANCE TERMINALS

Part No. 501314

50 pieces
18 items
Heavy duty
Ring tongues - 4 to 4/0
Butt connectors - 6 to 4/0
Heat shrink tubing



GENERAL PURPOSE BATTERY TERMINALS

Part No. 501011

42 pieces
20 items
E-Z grip, crimpable battery terminals and ring tongues
Wire gauges 1 to 4/0.
Heat shrink tubing

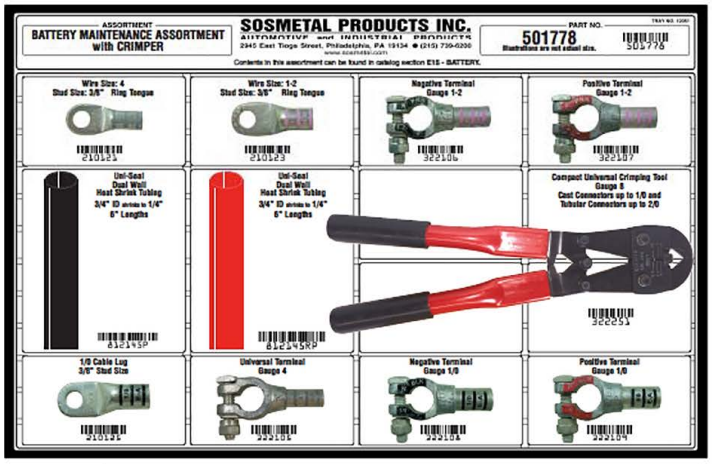


BATTERY TERMINALS

BATTERY MAINTENANCE ASSORTMENT with CRIMPER

- Includes popular automotive replacement battery terminals for domestics and imports.
- Wide array of accessory replacements including starter lugs, heat shrink tubing, terminals & crimper.

PSS100217



Part No. 501778
31 pieces • 11 items • 12051 steel tray

210121	322105	322108	812145P
210123	322106	322109	812145RP
210125	322107	322251*	

Numbers in assortment
***Also may be purchased seperately.**

COMPACT CRIMP-MASTER UNIVERSAL CRIMPING TOOL

Tool features a unique, 21st century designed triangular crimp. Innovative design exerts equal pressure at all contact points, centers the cable and produces a homogeneous mass of copper on any battery terminal or lug.

- 50 different crimp settings
- Setting changes are a simple two finger adjustment
- No flashing
- No dies to replace or misalign
- Compression crimp (not indent)
- Made in U.S.A.
- Unique patented design head

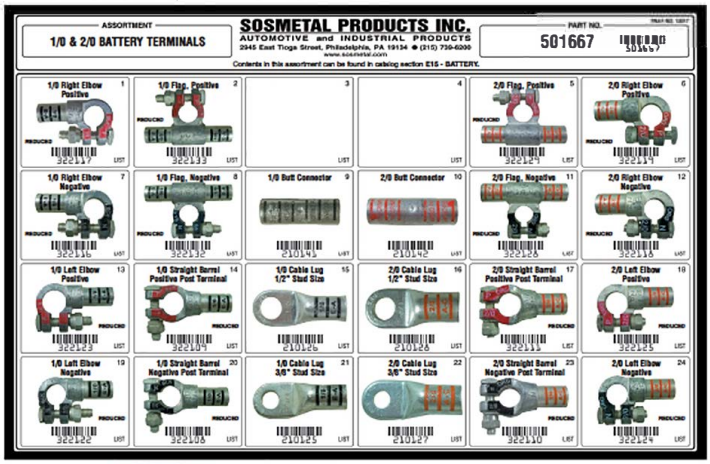
8 GA - 1/0



Part No. 322251
15-1/4" overall length

1/0 & 2/0 FLEET BATTERY TERMINAL ASSORTMENT

- Specially designed for fleet maintenance shops.
- Complete selection of 1/0 and 2/0 post terminals, polarity coded, including straights, flags and elbows.
- Also includes butt splice connectors and lugs.











Part No. 501667
50 pieces • 22 items • 12017 steel tray

210125	210141	322110	322118	322124	322132
210126	210142	322111	322119	322125	322133
210127	322108	322116	322122	322128	
210128	322109	322117	322123	322129	

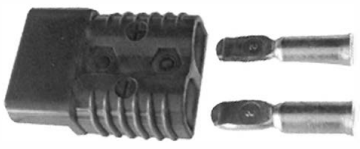
Numbers in assortment

INDUSTRIAL BATTERY CONNECTORS

Heavy duty power connectors for battery powered vehicles and equipment.

- Known as "S Connectors", "Anderson Connectors", and "SB Connectors".
- Self-mating connectors.
- 600 VDC rated.
- Lexan housing.
- Silver plated copper contacts.
- Complete unit with two contacts.

AWG. GAUGE	AMP	PART NUMBER	QTY
6	50	210155	1
1/0	175	210156	1
2/0	350	210157	1

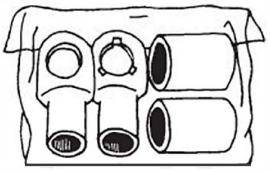


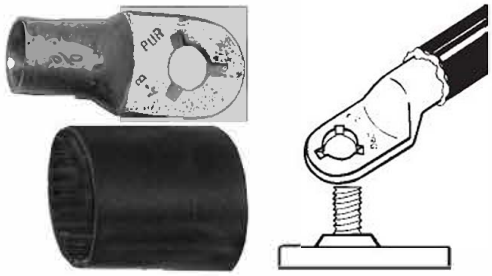
BATTERY TERMINALS

STUD TOP BATTERY TERMINAL KIT

- Lead plating - these highly conductive ETP copper terminals are lead plated to prevent corrosion in hostile battery environments.
- Closed barrel - manufactured with a closed end which prevents toxic fumes or liquids from penetrating cable.
- Crimp style - reliable crimps can be made with existing tools. Terminals are stamped with die code and letter codes to simplify installation.
- Anti-rotational tongue - this special design breaks through oxide film on battery posts assuring a quality electrical connection and resists loosening from vibration.
- Unique packaging - each terminal has a 3/8" size stud hole and comes individually packed with a color coded 1-1/2" length of thick wall heat shrinkable tubing with meltable inner lining for protection against moisture and corrosion.

Each stud top kit comes with two terminals and two 1-1/2" pieces of heat shrink tubing.





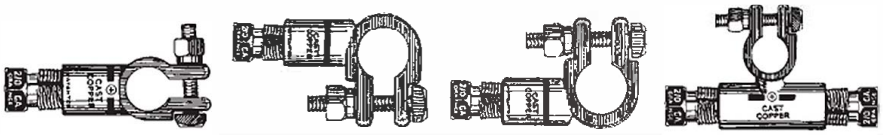
PART NUMBER	CABLE SIZE	POLARITY	H.S. TUBING COLOR	T & B DIE CODE	DIE CODE COLOR	AMP STYLE AND COLOR
322160	2/0	Positive	Red	A - C	Orange	Pos/Red
322161	2/0	Negative	Black	A - C	Orange	Neg/Black
322162	3/0	Positive	Red	A - B	Purple	Pos/Red
322163	3/0	Negative	Black	A - B	Purple	Neg/Black

COMPRESSION BATTERY TERMINALS

Ideal for roadside or field repair for maintenance trucks, construction sites, industrial shops, farms, mines, tow trucks, etc.

- Easy installation with common hand tools, without torches or crimping tools.
- Copper alloy, tin plated to resist corrosion.
- Tin plated twice as thick as industry standards for superior corrosion resistance.
- Make or repair any length and style cable.
- All clamps include battery bolt and shoulder nut.
- Color coded to match color-coded cable for easy identification.

COMPRESSION POST STYLE BATTERY TERMINALS



CABLE GAUGE	STRAIGHT CLAMP PART NUMBER NEG.	STRAIGHT CLAMP PART NUMBER POS.	RIGHT ELBOW PART NUMBER NEG.	RIGHT ELBOW PART NUMBER POS.	LEFT ELBOW PART NUMBER NEG.	LEFT ELBOW PART NUMBER POS.	FLAG CLAMP PART NUMBER NEG.	FLAG CLAMP PART NUMBER POS.	COLOR CODE	QTY
6	208900	208901	---	---	---	---	---	---	Grey	2
4	208902	208903	208914	208915	208924	208925	208934	208935	Grey	2
1-2	208904	208905	208916	208917	208926	208927	208936	208937	Green	2
1/0	208906	208907	208918	208919	208928	208929	208938	208939	Black	2
2/0	208908	208909	208920	208921	208930	208931	208940	208941	Orange	2
3/0	208910	208911	208922	208923	208932	208933	208942	208943	Purple	2
4/0	208912	208913	---	---	---	---	208944	208945	Yellow	2

COMPRESSION BATTERY LUGS & NUTS

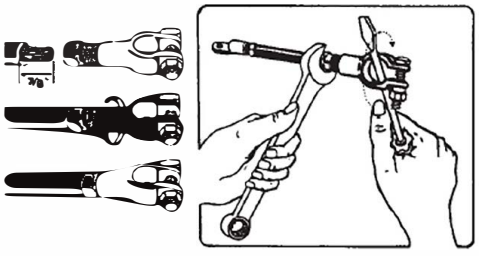


E-Z INSTALLATION - 3 STEPS

1. Strip 7/8" of insulation from the end of the cable.
2. Thread terminal on compression nut.
3. Grip compression nut with wrench and turn the terminal until the compression nut seats. With larger gauges, you may want to hold the terminal in a vise.

Complete step-by-step illustrated instructions, plus other installation and safety tips are included in every box of terminals.

CABLE GAUGE	HEAVY WALL COPPER LUGS PART NUMBER	STUD/SIDE TERMINAL LOCKING PART NUMBER	COMPRESSION NUTS (EXTRA) PART NUMBER	COLOR CODE	QTY
6	208946	208953	208960	Grey	2
4	208947	208954	208961	Grey	2
4 (9/16)	---	---	208962	Grey	2
1-2	208948	208955	208963	Green	2
1/0	208949	208956	208964	Black	2
2/0	208950	208957	208965	Orange	2
3/0	208951	208958	208966	Purple	2
4/0	208952	208959	208967	Yellow	2



BATTERY TERMINALS

HEAVY DUTY STUD TOP/SIDE MOUNT TERMINALS

- Pure copper, tin plated, may be crimped or soldered.
- Cable size, tool die codes stamped on each terminal.
- Available in straight or double (splice).
- Universal polarity.
- Non-stackable.



STRAIGHT



DOUBLE

STRAIGHT PART NUMBER	DOUBLE PART NUMBER	CABLE SIZE	COLOR DIE	LETTER DIE	QTY
322154	---	4	Green	J-H	5
322155	---	1	Pink	H-H	5
322156	322166	1/0	Black	E-A	5

STRAIGHT PART NUMBER	DOUBLE PART NUMBER	CABLE SIZE	COLOR DIE	LETTER DIE	QTY
322157	322167	2/0	Orange	A-C	5
322158	322168	3/0	Purple	A-B	5
322159	322169	4/0	Yellow	A-A	5

STUD TOP/SIDE MOUNT STACKABLE LUGS

- Pure copper, tin plated, may be crimped or soldered.
- Cable size, tool die codes stamped on each lug.
- Available in lug style only.
- Smooth terminal face allows mounting in any position.

Includes Top Stud Nuts and Side Terminal Bolts



PART NUMBER	WIRE SIZE	COLOR DIE	LETTER DIE	QTY
210105*	4	Green	J-H	10
210106*	2	Pink	H-H	10
210107	1	Pink	H-H	10
210108	1/0	Black	E-A	10
210109	2/0	Orange	A-C	10

*Side mount.

Part No. 501345
86 pieces • 8 items • 12050 steel tray

33022	210106	210108	322171
210105	210107	210109	322172

Numbers in assortment



STUD TOP BATTERY NUTS

- Tough synthetic material specially formulated for strength.
- Non-corrosive.
- Lightweight.



PART NUMBER	STYLE	POLARITY	QTY
322171	Black Synthetic	Negative	5
322172	Red Synthetic	Positive	5
322173	Stainless Steel	Universal	5

H-D STUD TOP ANTI-ROTATIONAL STACKABLE TERMINALS

- Pure copper, tin plated, may be crimped or soldered.
- Cable size, tool die codes stamped on each lug.
- Available in straight or double (splice), 2/0 cable size only.
- Anti-rotational indents grip securely when stacking;
- Universal polarity.

STRAIGHT



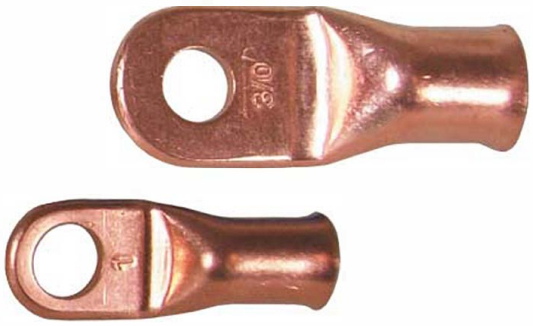
DOUBLE

STRAIGHT PART NUMBER	DOUBLE PART NUMBER	CABLE SIZE	COLOR DIE	LETTER DIE	QTY
322164	322165	2/0	Orange	A-C	5

E15

BATTERY TERMINALS

CORRECTCONNECT™ UN-PLATED SEAMLESS COPPER STARTER LUGS



- Pure un-plated copper 99.9% conductive.
- Seamless pad for added strength and improved conductivity.
- Wire size stamped into the copper not painted on.
- Flared barrel for easy wire insertion.

PART NUMBER	WIRE SIZE	STUD HOLE	QTY
210750	8	#10	20
210751	8	1/4"	20
210752	8	5/16"	20
210753	8	3/8"	20
210754	8	1/2"	20
210755	6	#10	20
210756	6	1/4"	20
210757	6	5/16"	20
210758	6	3/8"	20
210759	6	1/2"	20
210760	4	#10	10
210761	4	1/4"	10
210762	4	5/16"	10
210763	4	3/8"	10
210764	4	1/2"	10
210765	2	1/4"	10
210766	2	5/16"	10
210767	2	3/8"	10
210768	2	1/2"	10

PART NUMBER	WIRE SIZE	STUD HOLE	QTY
210769	1	1/4"	10
210770	1	5/16"	10
210771	1	3/8"	10
210772	1	1/2"	10
210773	1/0	1/4"	10
210774	1/0	5/16"	10
210775	1/0	3/8"	10
210776	1/0	1/2"	10
210777	2/0	1/4"	10
210778	2/0	5/16"	10
210779	2/0	3/8"	10
210780	2/0	1/2"	10
210781	3/0	1/4"	5
210782	3/0	5/16"	5
210783	3/0	3/8"	5
210784	3/0	1/2"	5
210785	4/0	1/4"	5
210786	4/0	5/16"	5
210787	4/0	3/8"	5
210788	4/0	1/2"	5



Part No. 210748
102 pieces • 23 items • 12017 steel tray

210750	210755	210760	210765	210770
210751	210756	210761	210766	210771
210752	210757	210762	210767	210772
210753	210758	210763	210768	
210754	210759	210764	210769	

Numbers in assortment



Part No. 210749
56 pieces • 16 items • 12050 steel tray

210773	210778	210783	210788
210774	210779	210784	
210775	210780	210785	
210776	210781	210786	
210777	210782	210787	

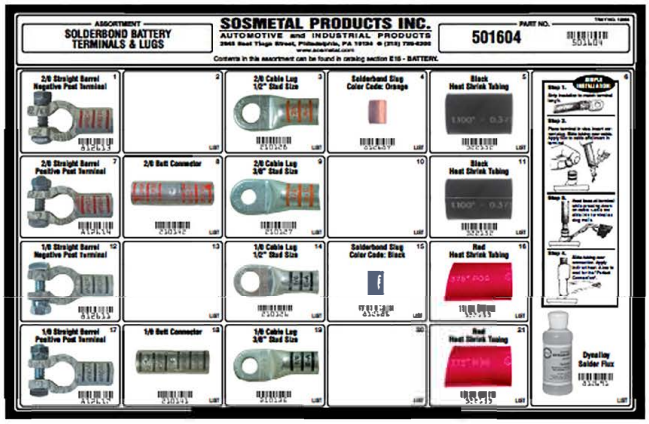
Numbers in assortment

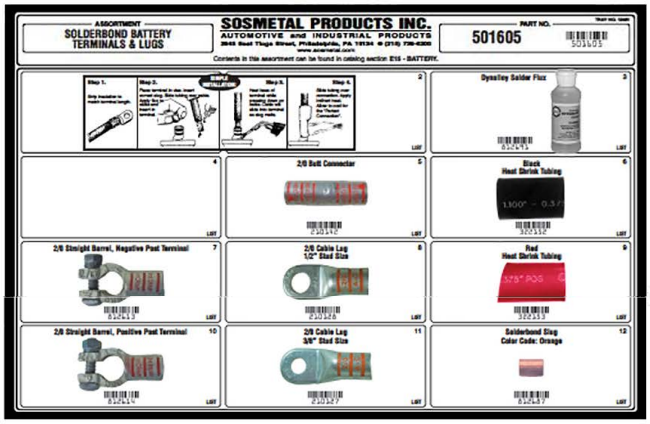
BATTERY TERMINALS

SOLDERBOND BATTERY TERMINAL & LUG ASSORTMENTS

Create professional OEM sealed, soldered battery cable connections in minutes.

- Create permanent, moisture-proof, corrosion-proof, environmentally sealed cable and battery terminal connections.
- Premeasured solder slugs are sized to fit the correct connectors.
- Slugs are color coded to match industry terminal color codes.
- **Shop assortment** includes all necessary components to create 1/0 and 2/0 cable connections - sizes found on small and large vehicles.
- **Fleet assortment** includes components for 2/0 cable connections - the standard gauge for fleet vehicles.





SHOP ASSORTMENT
Part No.
501604
77 pieces • 15 items
12056 steel tray

210125	210142	812613
210126	322152	812614
210127	322153	812686
210128	812611	812687
210141	812612	812691

Numbers in assortment



FLEET ASSORTMENT
Part No.
501605
45 pieces • 9 items
12061 steel tray

210127	322152	812614
210128	322153	812687
210142	812613	812691

Numbers in assortment

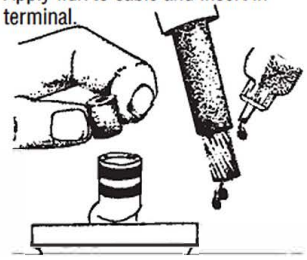


SIMPLE INSTALLATION:

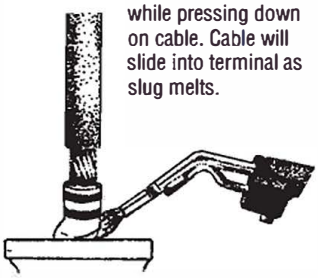
Step 1.
Strip insulation to match terminal length.



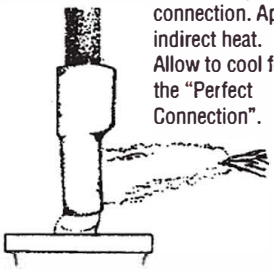
Step 2.
Place terminal in vise. Insert correct slug. Slide tubing over cable. Apply flux to cable and insert in terminal.



Step 3.
Heat base of terminal while pressing down on cable. Cable will slide into terminal as slug melts.



Step 4.
Slide tubing over connection. Apply indirect heat. Allow to cool for the "Perfect Connection".



STRAIGHT SANDCAST COPPER SOLDERBOND BATTERY TERMINALS

PART NUMBER	CABLE SIZE	POLARITY	T & B COLOR DIE CODE	DIE CODE	QTY
812611	1/0	Negative	Black	EA	5
812612	1/0	Positive	Black	EA	5
812613	2/0	Negative	Orange	AC	5
812614	2/0	Positive	Orange	AC	5

PART NUMBER	CABLE SIZE	POLARITY	T & B COLOR DIE CODE	DIE CODE	QTY
812615	3/0	Negative	Purple	AB	5
812616	3/0	Positive	Purple	AB	5
812617	4/0	Negative	Yellow	AA	5
812618	4/0	Positive	Yellow	AA	5



BATTERY ACCESSORIES

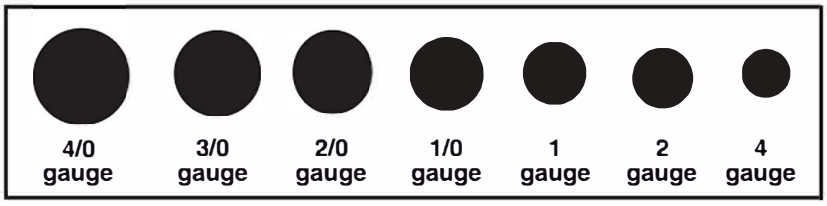
SOLDERBOND BATTERY SLUGS



Create professional OE sealed, soldered battery cable connections in minutes. Solderbond provides fast, easy and environmentally sealed connections without high costs or special tools.



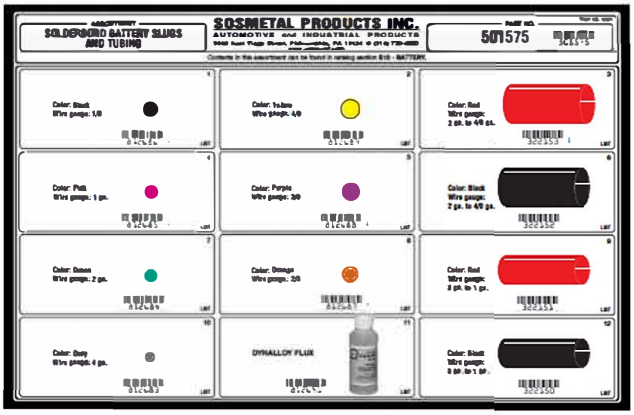
- Premeasured pieces of solder sized to fit the correct cable connectors.
- Each slug is color coded to comply with industry battery terminal coding.
- Available in seven sizes from 4 gauge to 4/0 gauge.
- The only simple and cost efficient way to achieve the perfect termination.
- Use of Heavy Wall Heat Shrink Tubing, shown below, results in moisture-proof, corrosion proof, environmentally sealed connections that meet transportation industry requirements.



RECOMMENDED FOR USE WITH COPPER TERMINALS ONLY.

PART NUMBER	WIRE GAUGE	COLOR CODE	QTY
812683	4	Grey	20
812684	2	Green	20
812685	1	Pink	20
812686	1/0	Black	10
812687	2/0	Orange	10
812688	3/0	Purple	10
812689	4/0	Yellow	10

– ASSORTMENT AVAILABLE –



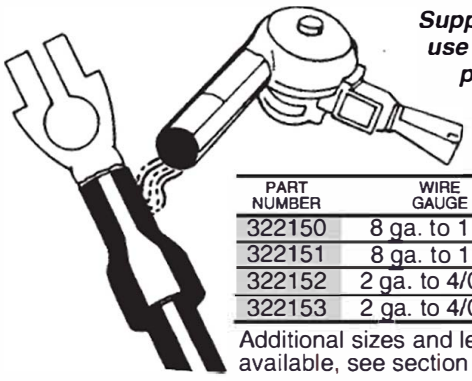
Part No. 501575
125 pieces
12 items
12061 steel tray

Includes All Sizes of Slugs, Tubing & Flux!



Solderbond Dynalloy Flux
Part No. 812691
4 oz. bottle

HEAVY WALL HEAT SHRINK TUBING



Supplied in ready to use 2" lengths, six per package.

PART NUMBER	WIRE GAUGE	COLOR CODE	QTY
322150	8 ga. to 1 ga.	Black	6
322151	8 ga. to 1 ga.	Red	6
322152	2 ga. to 4/0 ga.	Black	6
322153	2 ga. to 4/0 ga.	Red	6

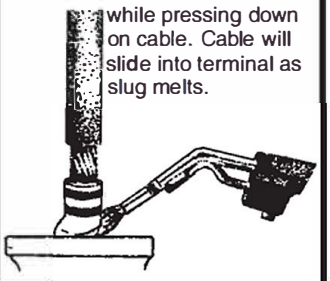
Additional sizes and lengths available, see section E12.

SIMPLE INSTALLATION:

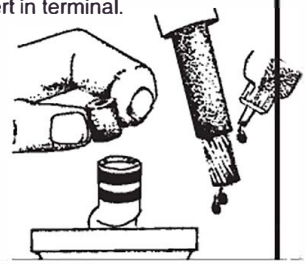
Step 1.
Strip insulation to match terminal length.



Step 3.
Heat base of terminal while pressing down on cable. Cable will slide into terminal as slug melts.



Step 2.
Place terminal in vise. Insert correct slug. Slide tubing over cable. Apply flux to cable and insert in terminal.



Step 4.
Slide tubing over connection. Apply indirect heat. Allow to cool for the "Perfect Connection".



BATTERY ACCESSORIES

BATTERY BOLTS with STANDARD NUTS

- For closing post-type battery terminals.
- Lusterplated to resist rust and corrosion.
- Hex nuts included.

PART NUMBER	QTY	SIZE
33010	50	5/16 x 1-1/4 Universal
33011	50	1/4 x 1-1/4 Ford Type



BATTERY BOLTS with SHOULDER NUTS

- Shoulder nuts are easier to grip.
- Less wrench slippage, saves time and prevents injury.
- Lusterplated to prevent rust and corrosion.

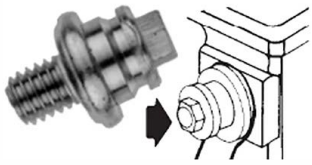
PART NUMBER	QTY	SIZE
222154	50	5/16-18 x 1-1/4
222147	50	5/16-18 x 1-1/2
222153	50	5/16 shoulder nut only
222159	25	1/4-20 x 1-1/2
222160	25	1/4 shoulder nut only



OEM SIDE TERMINAL BOLTS

- Standard 5/16" hex head.
- Extra long head allows use of booster cables without additional attachments.

Part No. 33022 (25)



SIDE TERMINAL LARGE HEX BOLT

- 9/16" oversize hex head.
- Twice the wrench surface of the standard O.E. 5/16" hex head.
- Lusterplated to resist corrosion.

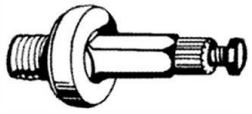
Part No. 322191 10



EXTENDED SIDE TERMINAL BATTERY BOLTS with "POWER-TAP"

- Fits all side terminal batteries.
- Extended stud provides best booster cable clamping area.
- "Power-Tap" allows fast, easy accessory connection.
- Lusterplated to prevent corrosion.

Part No. 33006 10



BATTERY JUMPER CABLE

Make a safe & convenient battery hook up from any location, inside or outside of vehicle.

- Brass stud and nut.
- Mounts in any flat panel.
- Mounting bushing solid brass.
- Grooved to prevent slippage.
- 13/16" dia. x 1-1/8".
- Durable plastic cap.

Part No. 11215



STUD POST CONVERTER

Universal - Fits positive or negative posts.

- Converts 3/8" stud to post type.
- Used as an adapter for group hook-up batteries or to convert stud type for use with post type battery cables.

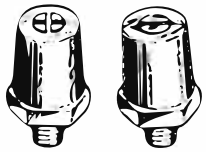
Part No. 322177 5



SIDE TERMINAL CHARGING POST

- Includes 1 positive and 1 negative post.
- No need to remove battery from car - just remove battery cables and screw-in charging posts.
- Converts side terminal battery for use with post-type cables.

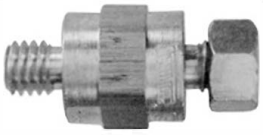
Part No. 11210



SIDE TERMINAL ACCESSORY BOLT

- Solid brass construction.
- Connects power to communication equipment and accessories.

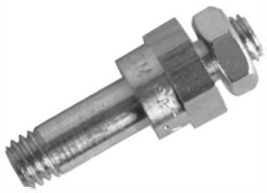
Part No. 222158 2



SIDE TERMINAL LONG BOLT with ACCESSORY TAP

- For GM trucks with dual batteries.
- Solid brass bolt with plated steel nuts.
- Use for direct connection of accessories to battery.
- 3/8" tap size.
- Spacer, Part No. 322184, may be required.

Part No. 322198 2



SIDE TERMINAL LONG BOLT

- For dual battery cable connections.
- 1" stud length from underside of head.
- 5/16" hex size.
- Lusterplated to resist corrosion.

Part No. 322190 5



WARNING: Must be installed using battery cable spacer.

Order spacer separately - 322184 10



E15

BATTERY ACCESSORIES

REPLACEMENT BATTERY TRAY



- Two sizes fit most vehicles.
- Heavy 16 gauge steel-vinyl coated.

PART NUMBER	QTY	SIZE	FITS BATTERY GROUP SIZES				
12725	3	Small	1	17	22FC	24F	55
		7-1/4 wide	2	17HF	22NF	24T	56
		10-3/4 long	2L	17L	23	42	72
			2N	22F	24C	54	74
12726	3	Large	4	27C	29HR	31	60
		7-1/4 wide					
		13 long	27	27F	29NF	53	77

BATTERY HOLDDOWN BOLTS



Type 1 Type 2 Type 3 Type 4

- Nuts included.
- Replacement is quick and easy.

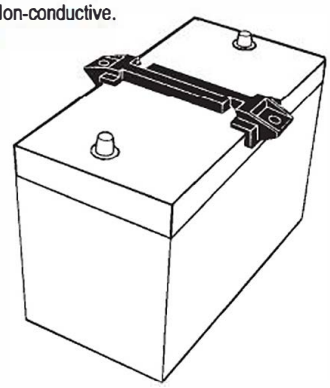
PART NUMBER	TYPE	MAKE/MODEL	DIA. (INCHES)	LENGTH (INCHES)	QTY
12717	3	Chrysler	1/4	5	6
12718	3	Chrysler	1/4	9	12
12714	3	Chrysler Ford • GM	5/16	8	12
12715	4	AMC • Chrysler Ford • GM	5/16	10	6
12711	1	Universal	5/16	11	6
12719	3	Lg. Truck	5/16	12	5
12712	2	AMC • Chrysler Ford • GM	3/8	10	6

BATTERY ACCESSORIES

QUICKHOLD™ BATTERY HOLDDOWNS

For use on cars, trucks, boats, farm, commercial and recreational vehicles

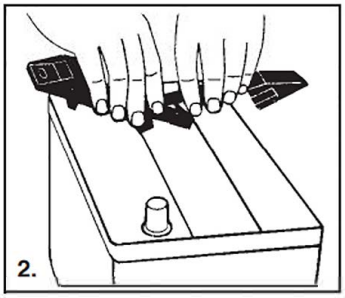
- Easy to adjust - no complicated bolts, nuts or brackets.
- Three sizes fit 99% of all automotive and commercial batteries.
- Made of fiberglass reinforced polypropylene same material used in battery cases.
- Will not rust or corrode. Non-conductive.
- Prevents electrical drain.
- Made in USA.



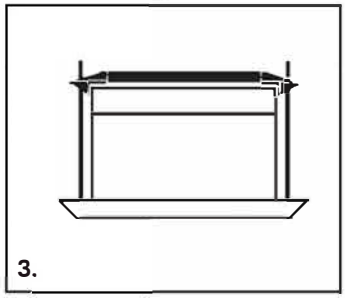
How QuickHold Works



Holddown arms adjust to fit different size batteries.



They lock in 1/8" increments and can be used in end-to-end or side-to-side applications.

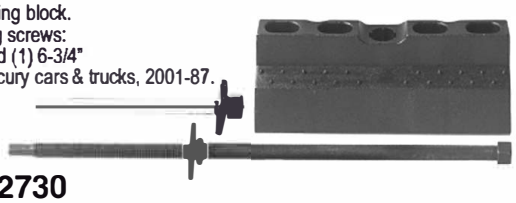


Once installed use conventional J-bolts to secure the battery.

PART NUMBER	QTY	APPLICATION	MIN. LENGTH (INCHES)	MAX. LENGTH (INCHES)	FITS BATTERY TYPE	HOLDDOWN PROFILE
222144	6	Commercial and automotive	4	6-1/2	**Flush top**	
222145	6	Primarily commercial	8-5/8	14-3/4	**Flush top**	
222146	6	Primarily automotive	5-1/2	9	**Raised caps**	

FORD HOLDDOWN KIT

- Plastic mounting block.
- Two mounting screws: (1) 2-1/2" and (1) 6-3/4"
- Fits Ford/Mercury cars & trucks, 2001-87.

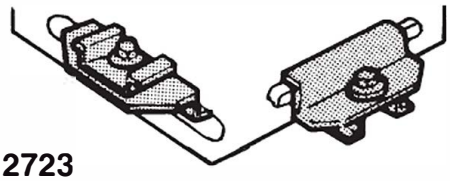


Part No. 12730

3-IN-1 BASE CLAMP

- Fits GM-style base mount battery groups: 22C, 22F, 24.
- Fits side or end.

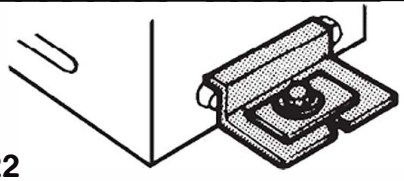
Side mount or End mount



Part No. 12723

DUAL PURPOSE BASE CLAMP

- Fits Ford-style base mount battery groups: 22F, 29NF.



Part No. 12722

GM BASE MOUNT

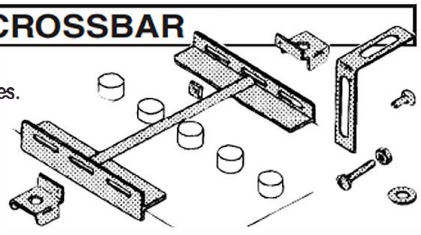
- GM base clamp.
- Fits most GM products.



Part No. 12729 3

UNIVERSAL CROSSBAR

- Replaces 5 OEM designs.
- Fits 22F, 24, 27, 60 batteries.
- No height limitation.



Part No. 12721 4

E15

FLEET MAINTENANCE SPECIALTY ASSORTMENTS

FLEET "1" & "2" MAINTENANCE SPECIALTY ASSORTMENTS

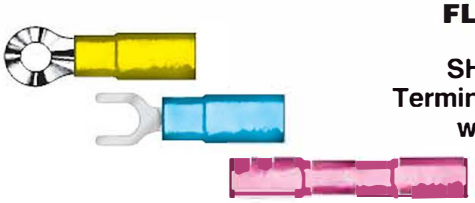
Our most popular fleet maintenance specialty assortments - all in one handy package.

- Products you need are on-hand, in stock & easy to find.
- Customized assortments give you the products you use most so you can focus on maintenance, repair & operation.
- Less down time means higher profitability for your company.
- Gives you complete coverage on electrical problems - the #1 maintenance problem.
- Add to our standard fastener assortments to cover all your shop needs.



FLEET KIT "1" - Part No. 501760
Includes: 4 assortments, slide rack & stand

FLEET KIT "1" CONTAINS:



SHRINK N' SEAL TERMINALS
Terminals with heat shrink tubing, weatherproof seal every time

Part No. 501476



HEAVY WALL HEAT SHRINK TUBING
The best tubing for the transportation industry

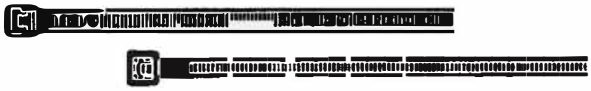
Part No. 501648

FLEET BATTERY TERMINALS
Specially designed for fleet maintenance shops



Part No. 501667

BLACK WIRE TIES
All popular sizes including a heavy duty 14" tie

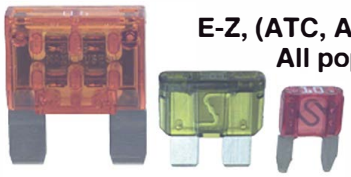


Part No. 501743



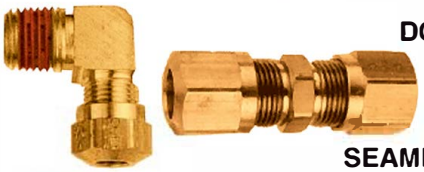
FLEET KIT "2" - Part No. 501761
Includes: 4 assortments, slide rack & stand

FLEET KIT "2" CONTAINS:



E-Z, (ATC, ATO), MINI® & MAXI™ MASTER FUSES
All popular ATC, ATO, Mini® & Maxi™ fuses

Part No. 501679



AIR BRAKE BRASS FITTINGS
DOT approved quick connections

Part No. 508006



SEAMLESS COPPER STARTER LUGS
Popular sizes for 8 ga. thru 1 ga.

Part No. 210748

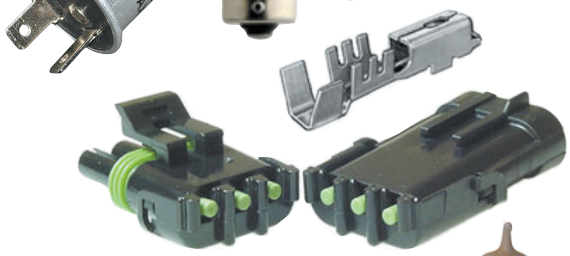


SEAMLESS COPPER STARTER LUGS
Popular sizes for 1/0 through 4/0 cable

Part No. 210749

G - SERVICE ITEMS







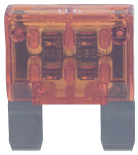


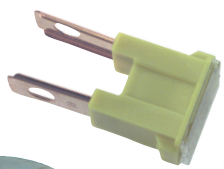












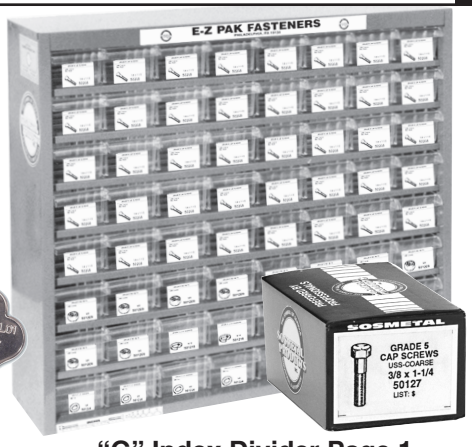












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G-SERVICE ITEMS

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31-Series G10-2
Rainy Day G10-3
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Bracketless G10-1
Direct Connect G10-1
Evolution All Season G10-1
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Trico G10-2
Exact Fit G10-2
Winter G10-2
Tridon G10-2
All Season Plus G10-2
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NOTES

WIPER BLADES

BOSCH® Micro Edge Blades: The Ultimate in Wiping Action, Styling & Fit

– BOSCH BLADES –
THE PREMIUM BLADE FOR THE CUSTOMER WHO WANT THE BEST





- Aerodynamic OE style steel frame.
- Superior wiping performance.
- Original equipment on luxury imports.
- Rack available* – #12146.

– INDIVIDUAL BLADES AVAILABLE –
1 BLADE PER PACKAGE

SIZE (INCHES)	PART NUMBER	QTY	SIZE (INCHES)	PART NUMBER	QTY
11	11911	10	20	11920	10
13	11913	10	21	11921	10
15	11915	10	22	11922	10
16	11916	10	24	11924	10
17	11917	10	26	11926	10
18	11918	10	28*	11928	10
19	11919	10			

* Micro Edge Excel † Application Guide (PB84) available upon request.

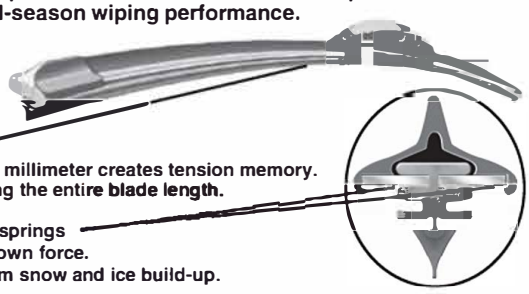
Solves these wiping problems:

- Difficult blade installation and subsequent removal.
- Blade lift-off at high speeds and in stiff head winds.
- Smearing and streaking on both forward and reverse strokes.
- Rubber fatigue caused by abrasion, temperature extremes, UV light, ozone, acid rain and road salt.
- Noisy operation.

BOSCH® Evolution All Season *BRACKETLESS* Wiper Blades

- 10 part numbers, for 89% coverage of most domestic and imported vehicles.
- Latest, patented OE technology for clean, consistent wipe.
- Graphite-treated wiping edge.
- Aerodynamic wind spoiler.

BOSCH Evolution wiper blades are BRACKETLESS wiper blades for all-season wiping performance.



Aerodynamic wind spoiler
- Individual radius along each millimeter creates tension memory.
- Apply uniform pressure along the entire blade length.

Dual precision-tensioned steel springs
- Improves airflow to create down force.
- Protects tension springs from snow and ice build-up.

– INDIVIDUAL BLADES AVAILABLE –
1 BLADE PER PACKAGE

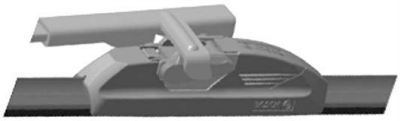
SIZE (INCHES)	PART NUMBER	QTY	SIZE (INCHES)	PART NUMBER	QTY
16	14816	5	21	14821	5
17	14817	5	22	14822	5
18	14818	5	24	14824	5
19	14819	5	26	14826	5
20	14820	5	28	14828	5

† Application Guide (PB11) available upon request.

BOSCH® *NEW* Evolution *"Top Lock Adapter"*

- COMPLETE with NEW "Top Lock Adapter"
- These three numbers will cover most Volvo & GM OE application sets.

PART NUMBER	APPLICATION
14840	2013-10 Audi TT; 2014-08 Buick Enclave; 2011-09 Cadillac STS, 2012-08 Chev. Malibu, 2014-09 Chev. Traverse, 2014-07 GMC Acadia
14841	2014-08 GMC Sierra, 2014-10 Lincoln MKT, 2014-07 Toyota Tundra, 2013-10 Audi TT
14842	2014-08 Buick Enclave, 2008-05 Cadillac STS, 2014-10 Chev. Equinox, 2014-08 Chev. Malibu, 2014-07 GMC Arcadia, 2017-10 Mercedes-Benz Sprinter
14843	2014-07 Toyota Tundra, 2013-10 Volvo C30, 2013-11 Chev. Volt 2017-10 Mercedes-Benz Sprinter



SIZE (INCHES)	PART NUMBER	QTY
21	14840	5
22	14841	5
24	14842	5
26	14843	5

† Application Guide (PB84) available upon request.

BOSCH® DirectConnect: NOW WITH ALL STEEL FRAME

– INDIVIDUAL BLADES AVAILABLE –
1 BLADE PER PACKAGE

SIZE (INCHES)	PART NUMBER	QTY	SIZE (INCHES)	PART NUMBER	QTY
11	14911	10	20	14920	10
13	14913	10	21	14921	10
15	14915	10	22	14922	10
16	14916	10	24	14924	10
17	14917	10	26	14926	10
18	14918	10	28	14928	10
19	14919	10			

† Application Guide (PB84) available upon request.

BOSCH DirectConnect wiper blades are equipped with the exclusive DirectConnect one-step installation system. This system allows easy installation for over 92% of vehicle applications with no adapters required.



WIPER BLADES

TRIDON® *ALL SEASON PLUS*™ WIPER BLADES AND REFILLS

The standard Tridon Original Equipment replacement for over 15 years.



- A unique adapter system makes installation on almost all major windshield arms fast and easy.
- These wiper blades feature a composite frame that will not rust or bend out of shape.
- The newly tapered squeegee is treated with a special baked on coating for smooth, quiet wiping performance and a longer life.
- Up to eight contact points deliver even pressure on today's highly curved windshields.
- Contact points deliver even pressure across the length of the blade, and an even wipe across your windshield.

– INDIVIDUAL BLADES AVAILABLE –

1 BLADE PER PACKAGE

SIZE (INCHES)	PART NUMBER	QTY	SIZE (INCHES)	PART NUMBER	QTY
11	11455	10	19	11461	20
13	11456	10	20	11462	20
15	11457	20	21	11448	20
16	11458	20	22	11467	20
17	11460	20	24	11468	20
18	11459	20	28	11028**	10

*1997-93 Camaro, Firebird
**All Metal - 2001-96 Dodge & Chrysler Minivans

TRIDON® *CUT-TO-FIT ALL SIZE REFILLS*™

Tridon® Cut-To-Fit Refills feature scores every 13mm-1/2" so customers can "snap" at precisely the desired length.

- Cover all your customer's refill requirements with only 3 part numbers.
- All Size Refills eliminate frustration. One pair of refills services vehicles with two different length wiper blades.
- Unique specially baked coating on squeegee provides smooth, quiet wiping performance and longer life.

EASY TO INSTALL:

1. Install refill leaving excess extending out of blade.
2. Snap All Size backing at correct length.
3. Cut squeegee even with the plastic backing.

SIZE (INCHES)	BACKING WIDTH	PART NUMBER	QTY
11-24	8mm-5/16	11400	20
20-24	9mm-3/8	11485	10
15-24	6mm-1/4	11464	10

– BACKING WIDTH –

REGULAR	WIDE	THIN
8mm-5/16"	9mm-3/8"	6.mm-1/4"

TRICO EXACT FIT® BLADES

Guaranteed one-step installation exact fit replacement.



- All steel construction for strength and durability.
- Chosen by World Class Automobile Manufacturers.
- Fast and easy installation.
- Highest quality natural rubber wiping edge available.
- No loose clips or adapters.
- AA & A numbers give 90% coverage on all domestic & import cars & trucks.

– INDIVIDUAL BLADES AVAILABLE –

1 BLADE PER PACKAGE

SIZE (INCHES)	POP CODE	TRICO NUMBER	PART NUMBER	QTY	SIZE (INCHES)	POP CODE	TRICO NUMBER	PART NUMBER	QTY
12	A	12-2	TR1202	10	20	C	20-9	TR2009	10
13	B	13-1	TR1301	10	21	AA	21-1	TR2101	10
16	AA	16-2	TR1602	10	22	A	22-1	TR2201	10
18	AA	18-1	TR1801	10	23	C	23-1	TR2301	10
19	AA	19-1	TR1901	10	24	AA	24-1	TR2401	10
19	A	19-2	TR1902	10	28	C	28-9	TR2809	10
20	AA	20-1	TR2001	10					

* Application Guide (PB16) available upon request.

TRICO® WINTER BLADES



- All Metal Blade provides strength and durability.
- Adapters in each package provide easy installation every time.
- Wipe area coverage meets industry standards.
- New lower connection point provides better contact and superior wipe.
- Most extensive coverage - industry leader since 1953.

– INDIVIDUAL BLADES AVAILABLE –

1 BLADE PER PACKAGE

SIZE (INCHES)	PART NUMBER	QTY	SIZE (INCHES)	PART NUMBER	QTY
16†	37160	10	22	37225	10
18†	37180	10	24	37245	10
20†	37201	10	28	37280	10
22†	37220	10			

† 4 top numbers give 85% coverage.
* Application Guide (PB16) available upon request.

ANCO® 31-SERIES WIPER BLADES

Reliable Wiper Performance



- DuraKlear™ rubber compound provides a consistent, clear wipe.
- Vented bridge and metal flexor for O.E. fit and function.
- KwikConnect System™ installs and removes easily.

– INDIVIDUAL BLADES AVAILABLE –

1 BLADE PER PACKAGE

SIZE (INCHES)	PART NUMBER	QTY	SIZE (INCHES)	PART NUMBER	QTY
15	AN3115	10	21	AN3121	10
16	AN3116	10	22	AN3122	10
17	AN3117	10	24	AN3124	10
18	AN3118	10	26	AN3126	5
19	AN3119	10	28	AN3128	5
20	AN3120	10			

* Application Guide (PB87) available upon request.

WIPER BLADES and FANS

ANCO® RAINY DAY WIPER BLADES

SIZE (INCHES)	PART NUMBER	QTY
15	10015	5
16	10016	10
17	10017	10
18	10018	10
19	10019	10
20	10020	10
21	10021	10
22	10022	10
24	10024	5
26	10026	5
28	10028	10

* Application Guide (PB37) available upon request.

Rainy Day Metal Blades - the perfect alternative to the plastic blade.



- OE style steel frame.
- Up to eight contact points ensure better windshield wrap for superior wiping performance.
- Unique universal clip system for easy installation.

WINTER/SUMMER FANS

Buses, Trucks, Golf Carts, Boats and other DC Applications

- 6-1/2" diameter.
- 820 CFM at 13.8 Volts, 3 Amps.
- Weight: 2.9 lbs.
- Motor: 2 speed.
- Spring lock position.
- Ball joint suspension.
- Counter-clockwise rotation.
- Toggle switch.
- Metal guard.



Part No. 418025
12 Volt Heavy Duty

Part No. 418026
24 Volt Heavy Duty

- Motor: 2 speed.
- Metal fan blade.
- Chrome plated grill, motor & base.
- Swivel base.
- High efficiency permanent magnet motor.
- Toggle switch.



Part No. 418027
12 Volt Medium Duty

WET ARM WIPER HOSE

Replaces hose on wiper arm washer systems.

- .093 I.D. x .156 O.D.
- Thin wall hose fits in wiper arm just like original. Regular wiper hose won't fit.
- Super soft - Super flexible.



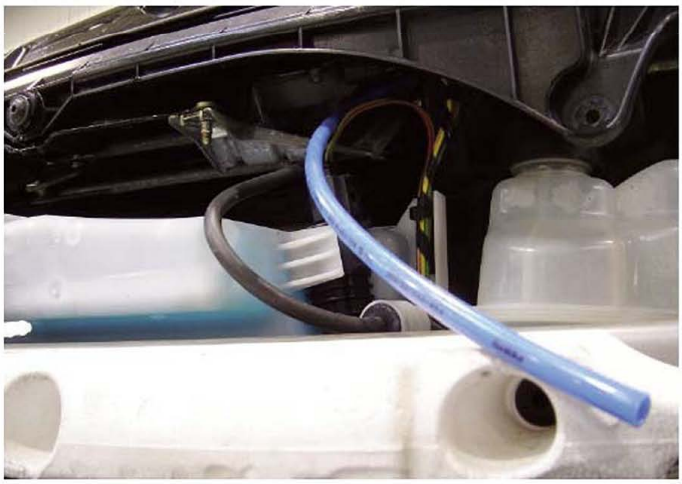
Part No. 11422
100" boxed

G SECTION SERVICE ITEMS













G10-3 PIX PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.

UNIVERSAL/CHRYSLER/FORD LAMP SOCKETS

DOUBLE CONTACT



Includes phenolic disc and spring
(2) 18 ga. wire leads
OEM: Universal
Bulb no.'s 64, 68, 82, 88, 90, 94, 210, 1004, 1034, 1074, 1130, 1154, 1157, 1158, 1176

Part No. 32301 (12)

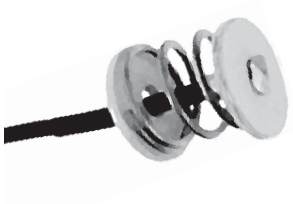
3 PRONG HALOGEN SEALED BEAM



(3) 18 ga. wire leads
OEM: Universal - Most makes and models
Bulb no. - All three prong sealed beams.

Part No. 32334 6

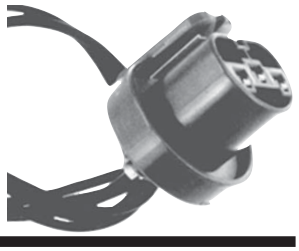
SINGLE CONTACT



Includes phenolic disc, and spring
(1) 18 ga. wire lead
OEM: Universal
Bulb no.'s 63, 67, 81, 89, 93, 209, 1003, 1073, 1129, 1133, 1141, 1156

Part No. 32302 (12)

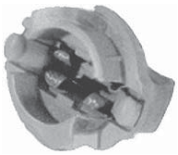
3 PRONG HALOGEN BULB



(3) 18 ga. wire leads
Chrysler, Ford, GM
OEM: Universal
Bulb no. 9004, 9007

Part No. 323600

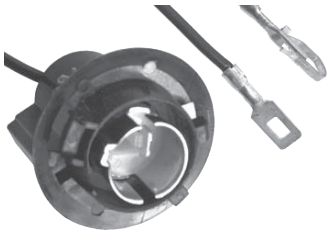
INSTRUMENT



Fits 1/2" hole
1989-76 Chrysler products
OEM: 12004311, 25015169
Bulb no. 194

Part No. 32361 (12)

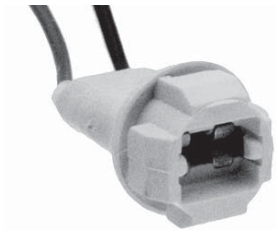
STOP, TAIL, TURN LAMP



(3) 18 ga. (GPT) wire leads
1992-89 Chrysler products & Dodge Truck
OEM: N/A
Bulb no. 1157

Part No. 323816

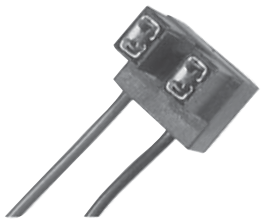
SIDEMARKER



OEM: 3588314
Bulb no.'s 194, 194A

Part No. 323612

HEADLAMP REPAIR HARNESS



(2) 18 ga. 6" leads
Audi, BMW, Hyundai, Kia, Mazda, Mercedes, Mini Cooper, Saab & Subaru
OEM: N/A
Bulb no. H7

Part No. 323850

SIDEMARKER



(2) 18 ga. wire leads
1988-69 Ford products
OEM: D7AZ, D7FZ-13412-A, D4OZ-13410-E, DODZ-15A434-B
Bulb no.'s 194, 194A

Part No. 32314 (6)

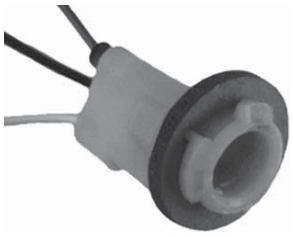
STOP, TURN, TAIL, PARK LAMP



(3) 18 ga. wire leads, double contact
OEM: N/A
Bulb no. 1157

Part No. 323712

STOP, TURN, TAIL, PARK LAMP



(3) 18 ga. wire leads, double contact
OEM: D1FZ-13234-A
Bulb no. 1157

Part No. 32367 (4)

TAIL LAMP



1996/on Chrysler Mini Vans, Dodge Trucks & Jeep Gr. Cherokee
OEM: 4676589, 88860570, LS170
Bulb no. 3157

Part No. 323856

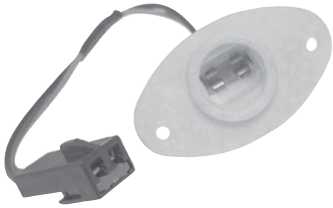
STOP, TAIL, TURN, PARKING & MARKER LAMP



2003-90 Chrysler "LH", Neon & Mini Vans
Dodge Dakota, Durango & Vans
OEM: 4399900, 88860571, LS171
Bulb no. 3157

Part No. 323864

LICENSE PLATE HARNESS ASSEMBLY LAMP



2004-84 Chrysler Cars, Mini Vans & Dodge Dakota
OEM: 4414184, 88860460, LS150
Molded lamp socket accepts 168 & 194 wedge based bulbs.
Connector mates with body harness.

Part No. 323859

FORD/CHRYSLER LIGHTING & ELECTRICAL REPAIR HARNESS and SOCKET BASES

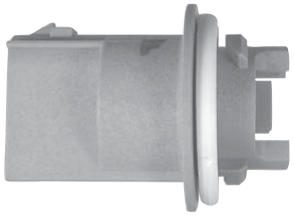
STOP, PARK & TURN SIGNAL STANDARD LOCKING EARS



Use with harness no. 323713
1991/on Ford Cars & Trucks
OEM: F1TZ-13411-F, 88860591, LS184
Bulb no. 3157

Part No. 323821

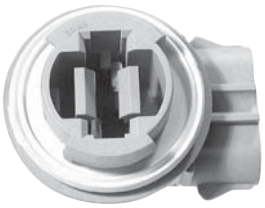
BACK-UP LAMP



Green straight housing
Use with harness no. 323837
2000/on Ford Cars & Trucks
OEM: 2U5Z-13411-RA
Bulb no. 3156

Part No. 323835

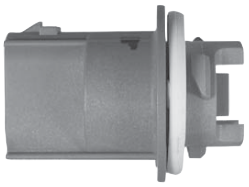
BACK-UP, PARK & STOP SIGNAL STANDARD LOCKING EARS



Use with harness no. 323714
1991/on Ford Cars & Trucks
OEM: F1TZ-13411-B, 88861079, LS214
Bulb no. 3156

Part No. 323825

PARK, TURN SIGNAL & TAIL & SIDE MARKER LAMP



Brown straight housing
Use with harness no. 323838
1998/on Ford Cars & Trucks
OEM: 2U5Z-13411-SA
Bulb no. 3157

Part No. 323836

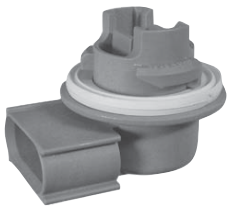
BACK-UP, PARK & STOP SIGNAL STANDARD LOCKING EARS



Use with harness no. 323714
1990/on Ford Cars & Trucks
OEM: F1TZ-13411-G, 88861080, LS215
Bulb no. 3156

Part No. 323826

SIGNAL LAMP



Green 90° housing
Use with harness no. 323837
2003/on Ford Escape
OEM: 2U5Z-13411-HA
Bulb no. 3156

Part No. 323843

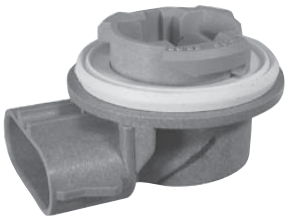
PARK & TURN SIGNAL 40/60 LOCKING EARS



1993/on Ford Cars & Trucks
OEM: F3LY-13411-A, 88861081, LS216
Bulb no. 3157

Part No. 323827

STOP/TAIL SIGNAL 40/60 LOCKING EARS



Brown 90° housing
1996/on Ford Cars & Trucks
OEM: F6DZ-13411-A
Bulb no. 3157

Part No. 323846

STOP, TAIL & TURN SIGNAL 40/60 LOCKING EARS



1994/on Ford Cars & Trucks
OEM: F47Z-13411-A, 88861082, LS217
Bulb no. 3157

Part No. 323828

STRAIGHT LAMP



Brown hardshell
(3) 18 ga. TXL 8" leads
1998/on Ford Focus, Escape, Ranger, Explorer, Mountaineer, F150 & F-Super Duty
OEM: 88988117, PT1774
Wedge bulb

Part No. 323838

90° LAMP



Black hardshell
(3) 18 ga. TXL 8" leads
1995/on Ford Focus, Escape, Expedition, Navigator, Explorer, Mountaineer, Ranger, Free Star, Monterey, F150, F-Super Duty & Excursion
OEM: 3U2Z-14S411-CKAA, WPT-671, 88988139, PT1783
Wedge bulb

Part No. 323840

90° LAMP



Grey hardshell
(2) 18 ga. TXL 8" leads
1998/on Ford Focus, Escape, Explorer, Mountaineer, Expedition, Navigator, F150 & F-Super Duty
OEM: 3U2Z-14S411-DMAA, WPT-702, 88988109, PT1786
Wedge bulb

Part No. 323839

PARK, TURN SIGNAL, TAIL & CORNERING LAMP



(3) 18 ga. TXL 8" leads
2004-92 GM
OEM: 15306194, 12141302, LS96, LS40
Bulb no.'s 1157, 2057
Part No. 323852

BACK-UP & TURN SIGNAL



Body: Cream, Insert: Grey
(2) 18 ga. TXL 8" leads
1999/on GM Cars & Lt. Duty Trucks
OEM: 15306312, LS97
Bulb no.'s 3156, 4156
Part No. 323861

BACK-UP, PARK, TURN SIGNAL, STOP & TAIL LAMP



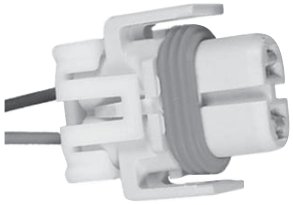
(3) 18 ga. TXL 8" leads
2005-93 GM
OEM: 12141493, LS49
Bulb no.'s 1157, 2057
Part No. 323853

DAYTIME RUNNING & TURN SIGNAL



Body: White, Insert: Natural
(2) 18 ga. TXL 8" leads
1999/on GM Cars & Lt. Duty Trucks
OEM: 15306157, LS94
Bulb no.'s 3156, 4156
Part No. 323862

HEADLAMP BULB



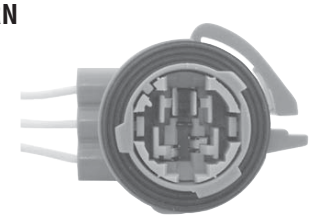
(2) 18 ga. TXL 8" leads
1998/on GM, Audi, Porsche, Mini, VW, Volvo & Mazda
OEM: 88987187, PT1634
Bulb no. H9
Part No. 323858

BLOWER MOTOR RESISTOR & VARIOUS RELAYS, SWITCHES & ACTUATORS



(7) 12 ga. TXL 8" leads
1990/ON GM Lt. & Med. Duty Trucks & Cars
OEM: 15862656, 88953358, PT1650, PT2195
Blower motor resistor no.'s 89019088, 89019089, 89019100
Part No. 323866

PARK/TURN, STOP/TAIL & TURN SIGNAL



Body: Brown, Insert: Tan
(3) 18 ga. TXL 8" leads
1999/on GM Lt. Duty Trucks
OEM: 15306147, LS92
Bulb no.'s 3057, 3157, 3357, 4157, 4114K
Part No. 323860

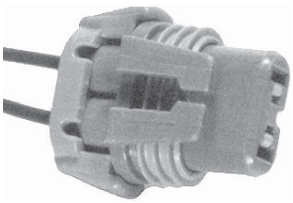
GM LAMP SOCKETS

SIDEMARKER



(2) 18 ga. wire leads
1988-69 Ford & GM products
OEM: 6294015, 6298935, 8901283, 8918527
Bulb no.'s 194, 194A
Part No. 32314 (6)

HALOGEN BULB



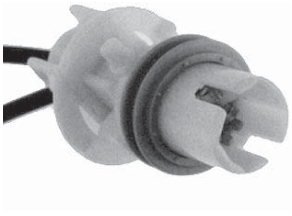
(2) 18 ga. wire leads
OEM: N/A
Bulb no. 9006
Part No. 323601

STOP, TURN, PARK, TAIL LAMP



(3) 18 ga. wire leads,
double contact
OEM: 8903202, 8214822
Bulb no. 1157
Part No. 32315 (4)

SIDEMARKER



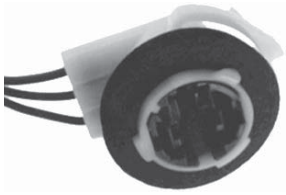
(2) 18 ga. wire leads
1988/on GM products, most models
OEM: 12083007,
Delco LS-13
Bulb no. 24
Part No. 323661

SIDEMARKER, LICENSE, TAIL LAMP



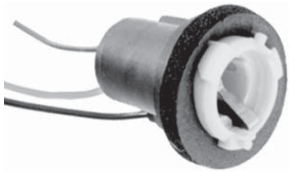
(2) 18 ga. wire leads
1971/on GM products
OEM: 12001470
Bulb no.'s 194, 194A
Part No. 32363 (4)

STOP, TURN, PARK, TAIL LAMP



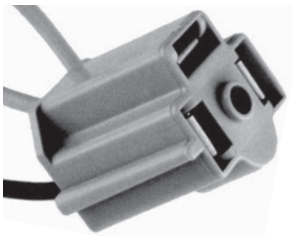
(3) 18 ga. wire leads
Color: White
1990/on Lumina (car) Regal, Cutlass 4 Dr.
OEM: 12083689,
Delco LS-15
Bulb no.'s 3057, 3157, wedge base
Part No. 323669

STOP, TURN, TAIL LAMP



(3) 18 ga. wire leads,
double contact
OEM: 12013813, 8919916
Bulb no. 1157
Part No. 32365 2

SEALED BEAM W/FIBER OPTICS



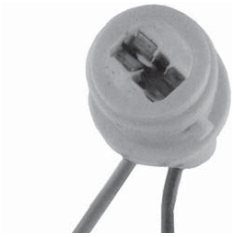
(3) 16 ga. wire leads
OEM: N/A
Part No. 323700

STOP, TURN, PARK, TAIL LAMP



(3) 18 ga. wire leads,
double contacts
1977/on GM cars and light trucks
OEM: 12003759, 812893
Bulb no.'s 1034, 1154, 1157
Part No. 32374 2

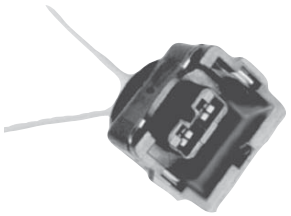
REAR SIDEMARKER



(2) 18 ga. wire leads
1982/on GM products
OEM: 12083460,
Delco LS-32
Bulb no. 194
Part No. 323715

MISCELLANEOUS/FORD INTERIOR/DASH/HEATING/COOLING and ENGINE MANAGEMENT SOCKETS

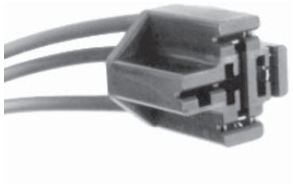
FUEL INJECTOR



Fits imports and domestics
Center index slot, Lucas & Bosch
(2) 18 ga. wire leads and one spring retainer
OEM: N/A

Part No. 316117

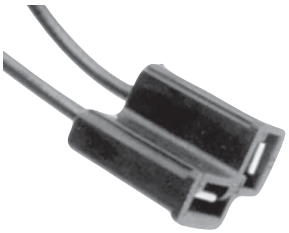
FLASHER



Fits all 3 prong flashers
(3) 18 ga. wire leads
OEM: Universal

Part No. 323622 2

FLASHER



Fits all 2 prong flashers
(2) 18 ga. wire leads
OEM: Universal

Part No. 323621 2

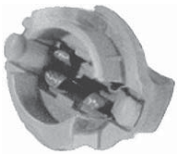
OIL SENDER



Fits .160 round male stud
on oil sender
(1) 16 ga. wire lead
Right angle molded socket
Universal
OEM: N/A

Part No. 323639 3

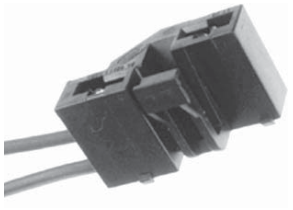
INSTRUMENT



Fits 1/2" hole
1989-68 Ford products
OEM: C8OZ-13711-A,
E7GZ-13711-A
Bulb no. 194

Part No. 32361 (12)

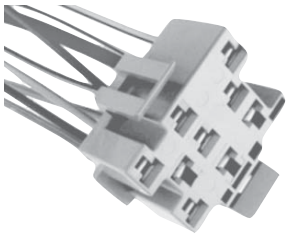
POWER BRAKE SWITCH



Fits pedal mounted switches
(2) 16 ga. wire leads
OEM: N/A

Part No. 323709 2

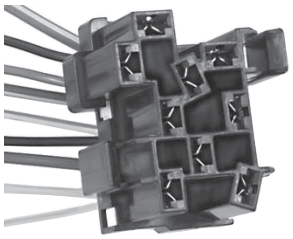
HEADLAMP SWITCH



(3) 20 ga. wire leads, (4) 18 ga. wire leads
(1) 16 ga. wire lead, (1) 12 ga. wire lead
Fits Ford headlamp
switch no. E7TZ-1654-C
1987/on F-series trucks
OEM: N/A

Part No. 323673

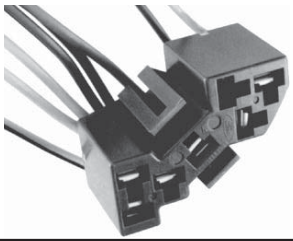
HEADLAMP SWITCH SOCKET



(1) 12 ga. wire lead, (2) 14 ga. wire leads
(6) 18 ga. wire leads
Fits switch #56007043 using 9 or 8 leads.
Dodge Dakota, "B" Vans,
full size pick-up 90/on
OEM: 4728204

Part No. 323785

TURN SIGNAL SWITCH



(6) 16 ga. wire leads
(2) 18 ga. wire leads
Fits switch no. E7FZ-13341-A
1985/on Ford products
OEM: N/A

Part No. 323707

RADIATOR COOLING FAN



(2) 12 ga. wire leads, (1) 10 ga. wire lead
Fits fan shroud assemblies
F5CZ-8C607-A and F4DZ-8C607-B
1996-90 Ford Taurus, Sable,
Continental, Escort
OEM: N/A

Part No. 323796

All socket assemblies sold with 9" leads.

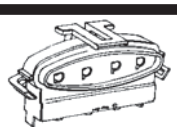
OIL PRESSURE SENDER

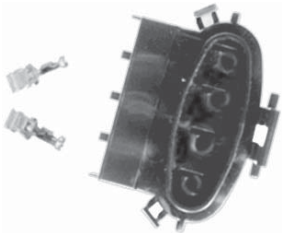


Fits .160 round male stud
on sender
(1) 16 ga. wire lead
Right angle molded socket
Universal
OEM: N/A

Part No. 323639

FUEL PUMP
SENDING UNIT



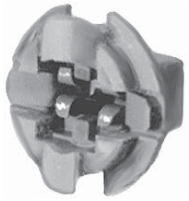


Includes 6 replacement terminals
Ford products
OEM: N/A

Part No. 323653

GM INTERIOR/DASH/ALTERNATOR/REGULATOR and IGNITION SOCKETS

INSTRUMENT



Fits 5/8" hole
1961/on GM, Ford, Chrysler
OEM: 2496279, 2973932, 5655006
Bulb no. 194

Part No. 32360 (12)

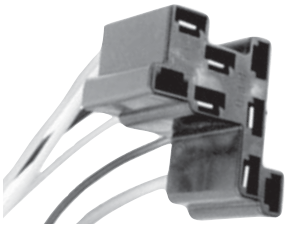
INSTRUMENT



Fits 1/2" hole
1989-55 GM products
OEM: 3744750
Bulb no. 194

Part No. 32361 (12)

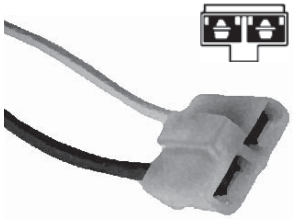
HEADLAMP SWITCH



(1) 12 ga. wire lead
(5) 18 ga. wire leads
Fits GM switch no. 1995217
1968/on GM products
OEM: N/A

Part No. 323671

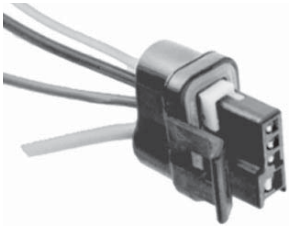
ALTERNATOR



(1) 12 ga. wire lead, (1) 16 ga. wire lead
Fits Delcotron Models
10-SI, 12-SI, 15-SI and 27-SI
with internal regulators
1971/on GM products
OEM: 12101909, Delco PT-181

Part No. 32320 (6)

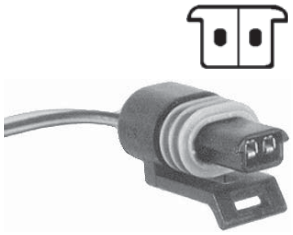
INTERNAL REGULATOR



1116411 and 1116408
(1) 12 ga. wire lead, (3) 18 ga. wire leads
1986/on GM products
OEM:N/A

Part No. 323677

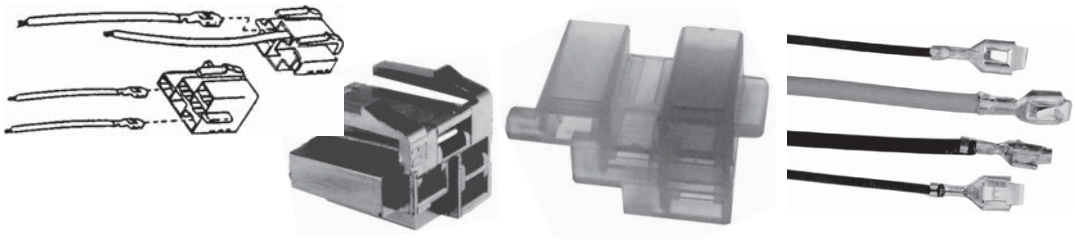
MODULE



(2) 18 ga. wire leads
Fits modules OEM 1987465, 66, 1103634,
1989747, 1894308, 1894485, 10496541
Use with pigtail 323646
1985/on GM products
OEM: 12101899, Delco PT169

Part No. 323627

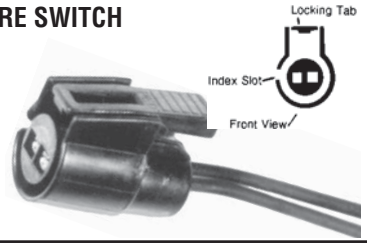
IGNITION SWITCH



(1) 10 ga. wire lead
(2) 12 ga. wire leads
(2) 20 ga. wire leads
One 4 position socket shell
One 5 position socket shell
OEM: N/A

Part No. 323698

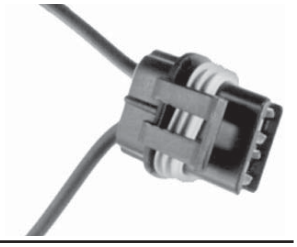
A/C CLUTCH, A/C PRESSURE SWITCH



(2) 18 ga. wire leads
Fits low pressure sensors on V5 compressors found on front wheel drive models.
Visual inspection necessary to match index slot.
OEM: N/A

Part No. 32347

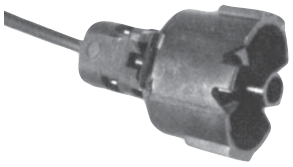
FAN MOTOR



(2) 12 ga. wire leads
Fits cooling fan #22074968, 22074969, 22067446, 22048271
1982/on, GM products
Fits AC/heater blower motor
1985/on GM products
OEM: 12101906

Part No. 323647

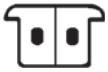
FAN TEMPERATURE SENSOR ON ENGINE OR RADIATOR

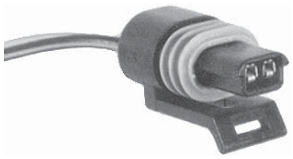


(1) 18 ga. wire lead
1980/on GM products
OEM: 12102621, 12051234, Delco PT-308

Part No. 32348

COOLANT TEMPERATURE SENSOR





(2) 18 ga. wire leads
1985/On GM products
Also fits 6-pin ignition module and crankshaft sensor on 2.8L engine. Also fits fluid level sensors.
OEM: 12101899, Delco PT-169

Part No. 323627

A/C CLUTCH

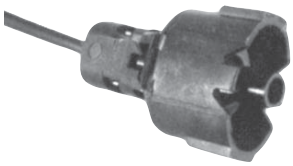
Diode enclosed in shroud.



(2) 18 ga. wires
8mm pin type
connector with diode
Fits A/C compressor coil
1989/on, some GM models
OEM: N/A

Part No. 323782

KNOCK SENSOR

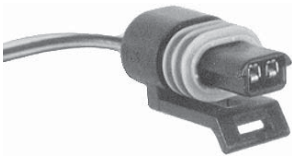


(1) 18 ga. wire lead
Also fits fan temperature switch
1980/on GM products
OEM: 12102621, 12051234, Delco PT-308

Part No. 32348

CRANKSHAFT SENSOR, 2.8L





Also fits coolant temperature sensor, fluid sensors on various engine sizes
(2) 18 ga. wire leads
1985/on GM products
OEM: 12101899, PT169

Part No. 323627

IDLE SPEED CONTROL



Fits ICS actuator
Connector only.
Use four Part No.
209871 male wire leads.
Order leads separately.
GM products
OEM: N/A

Part No. 209870 2

MANIFOLD ABSOLUTE TEMPERATURE SENSOR (M.A.T.)

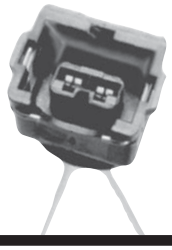




Fits sensor no. 25036751
(2) 18 ga. wire leads
1985/on GM products
OEM: N/A

Part No. 323630

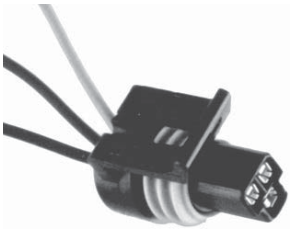
FUEL INJECTOR, CENTER INDEX SLOT



Fits imports and domestics
Lucas & Bosch
(2) 18 ga. wire leads and one spring retainer
OEM: N/A

Part No. 316117

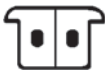
THROTTLE POSITION SENSOR

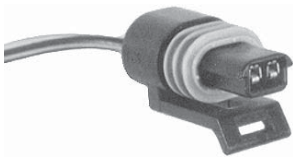


(3) 20 ga. wire leads
Fits sensor no. 17112679
1990/on GM products
OEM: 12102748, PT375

Part No. 323701

WASHER FLUID SENSOR, BRAKE FLUID SENSOR, RADIATOR COOLANT TEMP. SENSOR, IGNITION MODULE

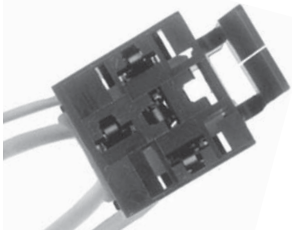




(2) 18 ga. wire leads
1985/on GM products
OEM: 12101899, Delco PT169

Part No. 323627

RELAY CONNECTOR



(1) connector & lock, (1) 10 ga. wire lead
(1) 12 ga. wire lead, (2) 18 ga. wire leads
Fits various GM relays
1982/on GM products
OEM: 12101885, 12101939, 12126460, Delco PT156, PT211, PT730

Part No. 323793

OPEN BARREL TERMINALS

These illustrations are enlarged to show detail

SPLICE CLIPS



Accepts: 2-18 ga. or 2-16 ga. leads
OE: GM 5297428

Part No.
210350 50



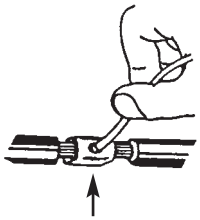
Accepts: 2-14 ga. leads
OE: GM 00821240

Part No.
210349 50



Accepts: 2-12 ga. or 2-10 ga. leads
OE: GM 01839906

Part No.
210351 50



Crimp splice and solder.

GM METRI-PACK 150 SERIES



Female Terminal

20-18 ga. wire
(pull to seat)
1.5mm width
Tin plated
OE: 12034149, 12047680

Part No.
209820 25



Female Terminal

24 ga. wire
Tin plated
OE: 12052466

Part No.
209862 25



Male Terminal

20-18 ga. wire
Tin plated
Use w/cable seal
OE: 12045773

Part No.
210194 25



Female Terminal

20-18 ga. wire
Tin plated
Use w/cable seal
OE: 12048074

Part No.
210195 25

GM METRI-PACK 280 SERIES



Female Terminal

18-14 ga. wire
2.8mm width
Tin plated
Mates with 209822
OE: 12015857

Part No.
209821 25



Male Terminal

18-14 ga. wire
2.8mm width
Tin plated
Mates with 209821
OE: 12020116

Part No.
209822 25



Male Terminal

20-18 ga. wire
2.8mm width
Tin plated
Mates with 209896
OE: 12034047

Part No.
209895 25



Female Terminal

20-18 ga. wire
2.8mm width
Tin plated
Mates with 209895
OE: 12034046

Part No.
209896 25



Female Terminal

16-14 ga. wire
Tin plated
Use w/cable seal
OE: 12077412, 12129493

Part No.
210197 25

GM METRI-PACK 280 SERIES FUEL INJECTOR



Female Terminal

22-20 ga. wire
Tin plated
OE: 12103360

Part No.
209265 15

These illustrations are enlarged to show detail

OPEN BARREL TERMINALS

GM WEATHER-PACK SERIES



Female Terminal

20-18 ga. wire

Tin plated
Mates with 209852
OE: 12034051, 12089188

Part No.
209851 25



Male Terminal

20-18 ga. wire

Tin plated
Mates with 209851
OE: 12033674, 12089040

Part No.
209852 25



Female Terminal

16-14 ga. wire

Tin plated
Mates with 209854
OE: 12010182, 12124580

Part No.
209853 25



Male Terminal

16-14 ga. wire

Tin plated
Mates with 209853
OE: 12010085, 12089305

Part No.
209854 25



Female Terminal

12 ga. wire

Tin plated
Mates with 210176
OE: 12015917, 12124581

Part No.
210175 25



Male Terminal

12 ga. wire

Tin plated
Mates with 210175
OE: 12089306, 12124587

Part No.
210176 25

CABLE SEALS

CABLE DIA. MM	GPT WIRE GAUGE	SXL WIRE GAUGE	PART NUMBER	SEAL COLOR	QTY
1.70-1.29	--	--	**209228**	Red	25
2.80-2.03	18-16	20-18	**209850**	Green	25
3.49-2.81	14	16	**209875**	Gray	25
4.30-3.45	--	14	**209229**	Blue	25





Cavity Plug

Use to plug empty cavities in connector shells
OE: 12010300

Part No.
209891 25

NOTE: Cable seals also used with Metri-Pack 150, 280 and 480 Series Terminals, where required.



Repair Lead

Male
10" of 18 ga. wire with installed 209852 Terminal and 209850 seal.

Part No.
209871 5

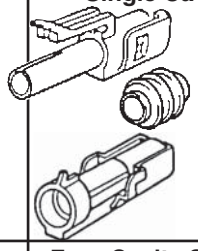


Repair Lead

Female
10" of 18 ga. wire with installed 209851 Terminal and 209850 seal.

Part No.
209872 5

Single Cavity Shell



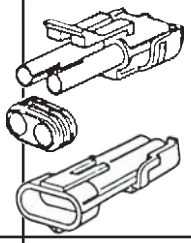
Male OE: 12015791

Part No.
209855 5

Female OE: 12010996

Part No.
209856 20

Double Cavity Shell



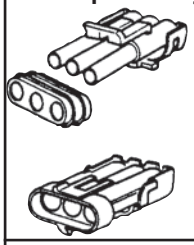
Male OE: 12015792

Part No.
209857 5

Female OE: 12010973

Part No.
209858 10

Triple Cavity Shell



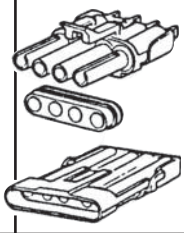
Male OE: 12015793

Part No.
209859 5

Female OE: 12010717

Part No.
209860 5

Four Cavity Shell



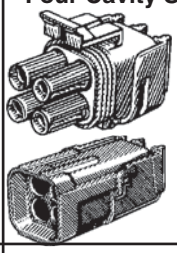
Male OE: 12015797

Part No.
323640 3

Female OE: 12010974

Part No.
323641 3

Four Cavity Square Shell



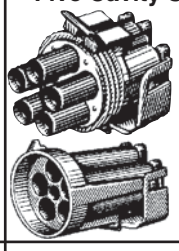
Male OE: 12015798

Part No.
323642 3

Female OE: 12015024

Part No.
323643 3

Five Cavity Square Shell



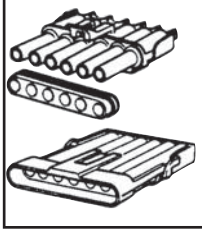
Male OE: 12034342

Part No.
323783 2

Female OE: 12065158

Part No.
323784 2

Six Cavity Shell



Male OE: 12015799

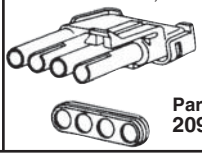
Part No.
323644 2

Female OE: 12010975

Part No.
323645 2

Four Cavity Male Shell

with silicone seal. Connects wiring harness to idle control solenoid on GM vehicles, 1985-on.



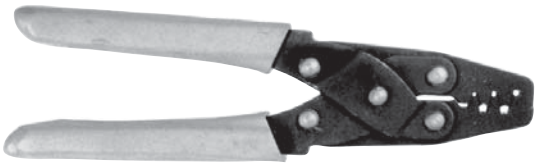
Uses male terminals.
OE: 12015387

Part No.
209870 2

OPEN BARREL TERMINALS

These illustrations are enlarged to show detail

OPEN BARREL TERMINAL CRIMPING TOOL



Part No. **113300**

Duplicates factory crimps on open barrel terminals used in automotive, computer and control applications.

- **Five machined and hardened crimp stations for 14 to 24 gauge wire terminations.**
- **Parallel jaws eliminate faulty crimps due to accidental jaw cocking during crimp cycle.**
- **Made by same company that makes Packard Crimp Tools.**
- **Includes complete instructions.**

TERMINAL EXTRACTOR PICKS



Part No. 113747
Narrow Blade (.050)
OE: 12012000

Part No. 113748
Wide Blade (.090)
OE: 8913369

- **Used to release locking tang on automotive terminals. Allows removal from insulated housing or terminal block.**
- **113747 used with Pac-Con, small Metri-Pack, ECM terminals & others.**
- **113748 used with 56 series, large Metri-Pack terminals & others.**

GM WEATHER PACK TERMINAL EXTRACTOR TOOL



Part No. 113746
OE: 12014012

- **Ultra-thin, hollow center.**
- **Releases Weather-Pack automotive terminals from connector housing by depressing both retention barbs.**

MATE-N-LOK™ TERMINALS

Commonly used in cellular phone and communication equipment installations, office machines and machine controls.



Male Terminal
20-14 ga. wire
.084 dia. pin
Single barb mates with 210171
Part No. 210170 25



Female Terminal
20-14 ga. wire
.084 dia. pin
Single barb mates with 210170
Part No. 210171 25



Male Terminal
20-14 ga. wire
.084 dia. pin
Dual barb mates with 210173
Part No. 210172 25

TOGGLE SWITCHES

TOGGLE SWITCHES

- Two position, "ON-ON", SPDT
- Heavy duty.
- 3 brass screw terminals.
- Mounting stem 15/32" long, 15/32" diameter.
- Rating: 25 amps. 12 Volts DC

Part No. 622300



- Three position, "ON-OFF-ON" SPDT
- Extra heavy duty*, silver contacts.
- 11/16" nickel plated brass handle.
- Mounting stem 15/32" long, 15/32" diameter.
- 3 brass screw terminals.
- Rating: 25 amps. 12 Volts DC
  15 amps. 125 Volts AC

Part No. 622308



- Two position, "OFF-MOM. ON", SPST
- Heavy duty.
- 2 brass screw terminals.
- Mounting stem 15/32" long, 15/32" diameter.
- Rating: 25 amps. 12 Volts DC

Part No. 622301



- Two position, "ON-OFF", SPST
- Nickel plated brass handle.
- Mounting stem 15/32" long, 15/32" diameter.
- 2 brass screw terminals.
- Rating: 10 amps. 12 Volts DC

Part No. 622309



- Two position, "ON-OFF", SPST
- Heavy duty.
- 2 brass screw terminals, with blades attached.
- Mounting stem 15/32" long, 15/32" diameter.
- Rating: 25 amps. 12 Volts DC

Part No. 622302



- Three position, "ON-OFF-ON", DPDT
- Extra heavy duty*, silver contacts.
- 11/16" nickel plated brass handle.
- Mounting stem 15/32" long, 15/32" diameter.
- 6 brass screw terminals.
- Rating: 25 amps. 12 Volts DC
  15 amps. 125 Volts AC

Part No. 622313



- Rating: 25 amps. 12 Volts DC
- Mounting stem 15/32".

Part No. 622304
- 2 position, "ON-ON"
- 6 brass screw terminals.

Part No. 622303
- 3 position, "MOM. ON-OFF-MOM. ON"
- 6 brass screw terminals.



- Two position, "ON-OFF" DPST
- Extra heavy duty*, silver contacts.
- 11/16" chrome plated brass handle.
- Mounting stem 15/32" long, 15/32" diameter.
- 4 brass screw terminals.
- Rating: 25 amps. 12 Volts DC
  15 amps. 125 Volts AC

Part No. 622314



- Two position, "ON-OFF", SPST
- Two 6" wire leads.
- Nickel plated "ON-OFF" indicator plate assembled.
- Mounting stem 15/32" long, 15/32" diameter.
- Rating: 3 amps. 250 Volts AC
  6 amps. 125 Volts AC

Part No. 622305 (6)



- Three position, "Mom. ON-OFF-Mom. ON" SPDT
- Extra heavy duty*, silver contacts.
- 11/16" chrome plated brass handle.
- Mounting stem 15/32" long, 15/32" diameter.
- 3 brass screw terminals.
- Rating: 25 amps. 12 Volts DC
  15 amps. 125 Volts AC

Part No. 622315



- Two position, "ON-OFF", SPST
- 2 brass screw terminals.
- 1-1/16" chrome bat handle.
- Mounting stem 1/4" long, 15/32" diameter.
- Rating: 20 amps. 12 Volts DC

Part No. 622306



- Two position, "ON-OFF", SPST
- Extra heavy duty*, silver contacts.
- 2 brass screw terminals.
- 1-5/8" extra long bat handle.
- Mounting stem 1/2" long, 15/32" diameter.
- Rating: 50 amps. 6 to 24 Volts DC

Part No. 622319



- Two position, "ON-OFF", SPST
- Extra heavy duty*, silver contacts.
- 11/16" nickel plated brass handle.
- Mounting stem 15/32" long, 15/32" diameter.
- Rating: 25 amps. 12 Volts DC
  15 amps. 125 Volts AC

Part No. 622307
- 2 brass screw terminals.

Part No. 622299
- 2 brass blade terminals.



- PVC coated housing
- Two 8" (203.2mm) leads.
- O-ring seal.
- SPST On-Off
- Mounting stem 11/32" long.
- Rating: 25 amps. 12 Volts DC
  10 amps. 250 Volts DC

Part No. 622320



* Extra heavy duty switches have silver contacts which are good for 36 volt applications.

SWITCHES, ACCESSORIES & INDICATOR LIGHTS

RUBBER BOOT

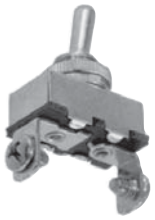


GRAY

- Durable rubber boot bonded to brass mounting nut for positive seal.
- Fits standard toggle switches with 15/32-32 threaded mounting stems.
- Protects against moisture, dirt, ice and other climactic conditions.
- Completely covers toggle handles up to 11/16" long.

Part No. 622328 10

MARINE SWITCH



- Two position, "ON-OFF", SPST
- All brass construction.
- All brass construction.
- 2 brass screw terminals.
- Mounting stem 3/8" long, 7/16" diameter.
- Rating: 35 amps. 6 Volts DC
  20 amps. 12 Volts DC

Part No. 622338 2

ROCKER SWITCHES



- Two position, "OFF-ON", SPST
- Black actuator, black nickel plated bezel.
- 2 male blade terminals.
- Fits 3/4" x 1-1/2" hole.
- Rating: 25 amps. 12 Volts DC

Part No. 622317



- 12 V pilot light, red lens.
- Two position, "OFF-ON", SPST
- Black actuator, bright nickel plated bezel.
- 3 male blade terminals.
- Fits 3/4" x 1-1/2" hole.
- Rating: 25 amps. 12 Volts DC

Part No. 622318



- Two position, "MOM. ON-OFF", SPST
- Black actuator, black nickel plated bezel.
- 2 male blade terminals.
- Fits 3/4" x 1-1/2" hole.
- Rating: 25 amps. 12 Volts DC

Part No. 622399



- Three position, MOM ON-OFF-MOM ON, SPST
- 3 male blade terminals.
- Fits 3/4" x 1-1/2" hole.
- Rating: 25 amps. 12 Volts DC

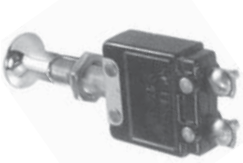
Part No. 622400

PUSH-PULL SWITCHES



- Two position, "ON-OFF", SPST
- Illuminated knob in "ON" position.
- 2 brass screw terminals.
- Mounting stem 3/8" long, 7/16" diameter, two terminal.
- Rating: 15 amps. 12 Volts

Part No. 622333



- Two position, "ON-OFF", SPST
- EXTREME SERVICE, HEAVY DUTY.
- Mounting stem 5/8" long, 15/32" diameter.
- Bakelite body, chrome plated knob.
- 2 brass screw terminals.
- A must for police cars, ambulances, and emergency vehicles.
- Rating: 75 amps. 6 to 28 Volts

Part No. 622337

MOMENTARY PUSH-BUTTON SWITCHES



- Extra heavy duty.
- 2 screw terminals w/lock washers.
- Silver contacts for 36 Volt apps.
- Mounting stem 21/32" long, 5/8" diameter.
- Metal button.

Part No. 622364

Part No. 622365
Same as 622364 with extra heavy duty protective rubber cap



- Horn button.
- Black plastic button.
- Mounts on panel or dash.
- Rating: 5 amps. 12 Volts DC

Part No. 622358

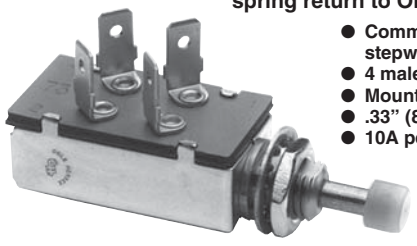


- 2 screw terminals.
- Mounting stem 5/8"-32, 21/32" (16.66mm) long.
- Plastic button with protective cap and mounting nut assembly.

Part No. 622389

MOMENTARY SWITCH

On-Off, normally On. Off with plunger depressed, spring return to On.



- Commonly used in school bus stepwell and door control.
- 4 male blade terminals.
- Mounting stem 7/16'-20 thread.
- .33" (8.4mm) diameter button.
- 10A per circuit at 12 Volts DC

Part No. 622398

INDICATOR LIGHTS



- Wire leads for easy installation.
- Mounts on 1/2" hole.
- 12 Volt applications.
- Bulb included.

PART NUMBER	LENS COLOR
622352	Red
622353	Green
622355	Blue

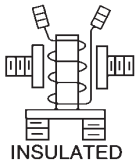
SOLENOIDS, SWITCHES, SPRINGS & BUZZERS

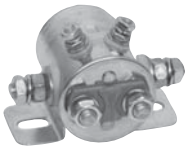
CONTINUOUS DUTY SOLENOID - SPDT

For forward and reverse systems in golf carts, garden tractors, fork lift trucks, winch operation, etc.

- Insulated - steel housing.
- Continuous duty.
- Normally opened and closed contacts.
  Normally closed: 35 amps.
  Normally open: 85 amps.

PART NUMBER	VOLTS
622142	12

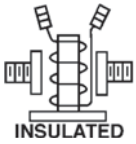




CONTINUOUS DUTY SOLENOIDS - SPST

- Normally open contacts.
- 85 amps.
- One circuit: "OFF-ON".
- Contacts: copper.
- Housings: plated steel.
- Ignition and ground terminals: copper, 10-32 thread, hex nuts and lock washers included.
- Bracket mounting holes: 5/16" x 19/32", 2-13/64" on centers.

PART NUMBER	VOLTS	DESCRIPTION
622390	12	Insulated
622392	12	Grounded
622391	24	Insulated









MASTER DISCONNECTS & SELECTOR SWITCHES

- Auto, truck, fleet applications.
- Silver laminated contacts.
- 2 positions: "OFF-ON", SPST
- Disconnects battery circuit only.
- Two 3/8" brass stud terminals.
- For 6, 12, 24, & 36 Volts.
- Mounting stem 25/32" long, 3/4" diameter.



Part No. **622366** Face plates included.

- Marine applications.
- Silver laminated contacts.
- All brass case, chrome plated die cast lever.
- Two 3/8" brass stud terminals.
- Brass mounting stem 1-13/32" long, 3/4" diameter.
- 2 positions: "OFF-ON", SPST
- Disconnects battery circuit only.
- For 6, 12, 24, & 36 Volts.



Part No. **622367** Face plates included.

Continuous rating 175A 6-12-24-36 volt dc intermittent rating 300 a 6-12-24-36 volt dc 15 sec. on, 5 min. off ignition protected

UNIVERSAL BUZZER

For bus "door open" warning, bus operator signal, low air pressure warning, etc.

- Electrical contacts designed for instant response and uninterrupted signal.
- Case: impact resistant ABS resin.
- Insulator: moisture repellant.
- Terminals: two screw with lock washers.
- Size: 1-7/32" L x 2-1/2" W x 2-17/32" H.
- Replaces:
  Ford: FDM-2938-A
  GMC: 1116882
  Superior Coach: 76032
  Divco-Wayne: E-11811-A



Part No. **622393**

FOOT OPERATED FLOOR SWITCH

"OFF-ON", normally "OFF"
"ON" with plunger depressed, spring return to "OFF"

- Terminals: two stud, 5/16"-24 thread with hex nuts and lock washers.
- Mounting: two 9/32" (7.14mm) dia. holes, 1-3/4" (44.45mm) on center.
- Plunger: 1" (25.40mm) long.
- Replaces: Autolite: SW-4012 (15-49)
  Delco: 1996478

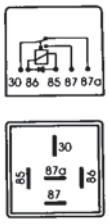


Part No. **622395**

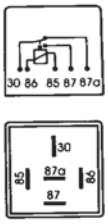
RELAYS & HORNS

RELAYS

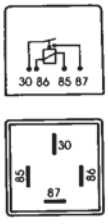
Part No. 923755



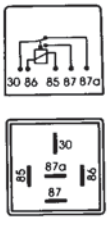
Part No. 923753, 754



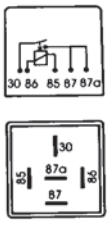
Part No. 923752



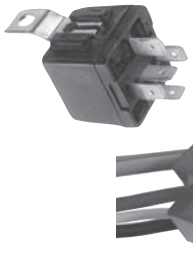
Part No. 923748



Part No. 923749

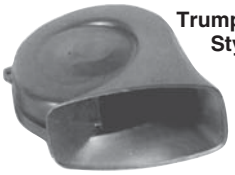


Relays fit Blowers, AC modules, AC selector switches, AC compressors, power antennas, electric chokes, speed-up solenoids, power relays, ignition, window & seat regulator controls, sunroof controls, fog lamps, trailer lights, anti-theft systems, rear window defroster, electric tailgates.



PART NUMBER	DESCRIPTION	VOLTAGE	AMP RATING	TERMINALS	MOUNTING TAB	QTY
923752	Relay: Used to run up to 30 amps continuously	12	40	4	Yes	1
923753	Relay, Universal	12	40	5	Yes	1
923754	Relay, Universal	12	40	5	No	1
923755	Relay, with Diode: Eliminates voltage spikes	12	40	5	Yes	1
923748	Relay, Universal	24	20	5	Yes	1
923749	Relay, Dual: Controls two 20 amp circuits, or can be used as a single 40 amp relay. Popular for European & German cars.	12	40	5	Yes	1
923746	Relay Kit: Includes one universal 923753 relay and one 323818 relay pigtail.					1
323818	Relay Pigtail: Prewired, 14 gauge leads, fits all 5 prong relays.					2

UNIVERSAL HORNS - OE Replacements



Trumpet Style



Vibrator Style

For Single & Dual Terminal Installations

For cars, trucks, vans, RV's, buses, boats and motorcycles.

- **Trumpet style fits a wide range of domestic applications.**
- **High frequency vibration style used on most imports and many newer domestic models.**
- **Fits 12 Volt applications, single or dual terminals.**
- **Universal mounting kit includes straight and right angle brackets.**
- **Steel housing, plastic protector and copper wire coil motor, black acrylic finish.**
- **Exceeds S.A.E. and OEM specifications.**
- **Designed, engineered and manufactured in USA.**

PART NUMBER	STYLE	DIMENSIONS	FREQUENCY (H2/Pitch)		MIN.DB RATING @ 4"	CURRENT DRAW	POWER
618375	Trumpet	3-7/8"L x3-3/4"Wx3-1/4"D	500	Hi	125	5	12 V
618376	Trumpet	3-7/8"Lx3-3/4"Wx3-1/4"D	420	Low	125	5	12 V
618391	Vibrator	3-5/8"Dia.x2-5/8"D	335	Low	130	4	12 V

FLASHERS and HALOGEN CAPSULES

ELECTRONIC FLASHERS

Originally designed for large, heavy duty commercial vehicles. Ideal for towing. Will replace all thermal flashers. Fits many late model automotive applications. (Many newer vehicles use an electronic system which is not compatible with thermal flashers.) NOTE: With electronic flashers, if one bulb burns out, the flasher will continue to operate.

- **Flashes up to 10 lamps.**
- **Meets all DOT 108 requirements.**
- **Outperforms all other types of flashers.**

EXTENDED LIFE - HEAVY DUTY ELECTRONIC FLASHERS

PART NUMBER	INDUSTRY NUMBER	TERMINALS	VOLTS	OPERATES NO. OF LAMPS	APPLICATIONS
615540	EL12	2	12	2-4 Turn 1-10 Hazard	Replaces all 536, 552 applications plus late model Ford, Mercury, Nissan (various models)
615541	EL13	3	12	2-4 Turn 1-10 Hazard	Replaces all 550 applications plus certain automotive applications.

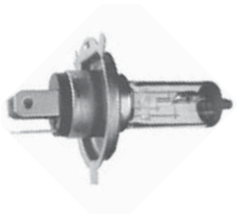


OEM ELECTRONIC FLASHERS

PART NUMBER	INDUSTRY NUMBER	TERMINALS	VOLTS	OPERATES NO. OF LAMPS	LATE MODEL OEM APPLICATIONS
615548	EP36	3	12	2 - 6 Turn Signal* 2 - 6 Hazard Warning	Chevrolet, GMC C/K pick up
615543	EG23	3	24	2 - 6 Turn Signal* 2 - 6 Hazard Warning	Motor coaches, buses, trucks with 24V electrical system.

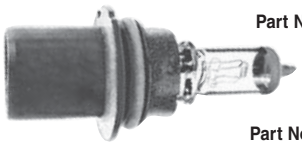
*** Flasher will indicate when signal light is burnt out.**

HIGH AND LOW BEAM CAPSULES



DOMESTIC
Part No. **615303** 10
IND. #9003

IMPORT
Part No. **CE9003** 10
IND. #9003



DOMESTIC
Part No. **615304** 10
IND. #9004

IMPORT
Part No. **CE9004** 10
IND. #9004



DOMESTIC
Part No. **615307** 10
IND. #9007

IMPORT
Part No. **CE9007** 10
IND. #9007



IMPORT
Part No. **CE1155/H11**
IND. #1155/H11



DOMESTIC
Part No. **615817** 10
IND. #9008/H13

IMPORT
Part No. **CE9008/H13**
IND. #9008/H13



DOMESTIC
Part No. **615804**
IND. #1255/H11B

DODGE INTREPID



HIGH BEAM
Part No. **615308**
IND. #9005XS
2001-98



LOW BEAM
Part No. **615309**
IND. #9006XS
2001-98

INDIVIDUAL BEAM CAPSULES

HIGH BEAM



DOMESTIC
Part No.
615305 10
IND. #9005

IMPORT
Part No.
CE9005 10
IND. #9005

HIGH/LOW BEAM



DOMESTIC
Part No.
615816 10
IND. #9005L

Brass terminals & high temperature plastic to avoid overheating with quartz glass

LOW BEAM



DOMESTIC
Part No.
615306 10
IND. #9006

IMPORT
Part No.
CE9006 10
IND. #9006

"CE" = Competitive Edge or Eiko Brand

HALOGEN CAPSULES, HEADLAMPS and SEALED BEAMS

WAGNER BRITELITE



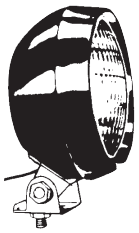
Brighten your profits with BriteLite!

- **80% more light on the road.**
- **High power 55 watt low beam filament (compare to standard 35 watt).**
- **30% wider beam pattern.**
- **Less glare.**
- **Smoother beam pattern.**
- **Cooler running Xenon filled bulb.**
- **Meets or exceeds all OE quality standards.**
- **DOT approved.**

Our Numbers 90% Coverage		
9007BL	**H4656BL**	**H6054BL**

SPECIALTY SEALED BEAMS

12 VOLT TRACTOR / UTILITY SEALED BEAM



(sealed beam only)

PART NUMBER	INDUSTRY NUMBER	DESCRIPTION
615311	4411	Replaces sealed beam in tractor/utility lamp. (Grote No. 64931)

12 VOLT SPOTLIGHT SEALED BEAMS



PART NUMBER	INDUSTRY NUMBER	CANDLE POWER	LIFE HOURS	SIZE	BASE TYPE
615310	4636	90,000	200	5-3/4	MP

12 VOLT TRACTOR / FLOOD SEALED BEAM



PART NUMBER	INDUSTRY NUMBER	CANDLE POWER	LIFE HOURS	SIZE	BASE TYPE
615313	4466	1,000	300	4-1/2	Screw

HEADLAMPS and SEALED BEAMS

- **Available in OEM regular & halogen.**
- **5 most popular sealed beams give top coverage. (marked with *)**
- **Replace regular with halogen–for improved night vision.**



PART NUMBER	INDUSTRY NUMBER	CONFIGURATION	DIMENSIONS	DESCRIPTION
615056	H4656*	LOW BEAM	100 x 165mm	Rectangular, low beam in the four lamp system.
615051	H4651*	 HIGH BEAM	100 x 165mm	Rectangular, high beam in the four lamp system.
615066	H6545 H4666/*	 HIGH/LOW BEAM	100 x 165mm	Fits most Honda motor cars. Also replaces H6545 late model Chrysler products.
615024	H6024*	 HIGH/LOW BEAM	7" dia.	Large round lamp.
615054	H6054*	 HIGH/LOW BEAM	142 x 200mm	Large rectangle. Fits passenger cars, trucks and vans.

MINIATURE BULBS / LIGHTING PROGRAM

TRUEVIEW® PLUS - LED MINI LAMPS

- 10+ years of performance.
- Enhanced visibility with white crisp light over 4,000K that shines whiter, and brighter, and farther than standard incandescent miniature bulbs.
- Vibration resistant to eliminate damage caused by road shock.
- Certification by Federal-Mogul Engineers.
- Truly DIY with "plug-in play" built in technology.

PART NUMBER	APPLICATIONS
615860	Replaces - 6411, 6451, 12866, DE7576, 17314, DE3425, DE3423, DE3175
615861	Replaces - 194, 168, 12961, 17177, 2825, W5W
615862	Replaces - 6461, 12854, 12844, 6418, 11005, C5W



Part No. **615860**



Part No. **615861**



Part No. **615862**

MINIATURE BULB ASSORTMENTS

- Includes halogen mini bulbs.
- Both assortments contain 14 most popular bulbs.
- Both assortments include E-Z identification lid chart or labeling system.
- Both have room for expansion.
- Each assortment contains these popular bulbs.

PARTS BOOKLET PB108 SHIPPED WITH THIS ASSORTMENT



Part No. **615011**
151 pieces • 14 items
12071 steel tray

615161	615181	615321	615344
615168	615186	615322	615385
615169	615194	615325	
615180	615203	615329	

Numbers in assortment

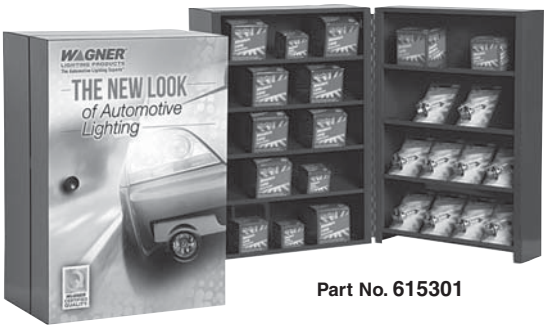
WAGNER MINI-LAMP CABINET and ASSORTMENT

This new lighting assortment includes Wagner's most popular mini-lamps and a completely redesigned mini-lamp merchandiser. The cabinet has fresh new graphics and an interior that makes it easier than ever to stock and select product quickly.

Cabinet features:

- New size to maximize your inventory.
- 9 shelves (5 in the main body and 4 in the door) for easy product stocking.
- Magnetic clasp closure.
- Magnetic identification labels to customize cabinet assortment.
- 24 gauge metal.
- Powder coated finish.
- Key holes for easy wall mount or simply place on your workbench.

PARTS BOOKLET PB108 SHIPPED WITH THIS ASSORTMENT



Part No. **615301**

Wagner's assortment includes these part numbers

IND. NO.	PART NO.	QTY	IND. NO.	PART NO.	QTY	IND. NO.	PART NO.	QTY	IND. NO.	PART NO.	QTY
168	**615187**	10	921	**615322**	10	3057	**615329**	10	4157LL	**615784**	10
194	**615168**	10	1156	**615180**	10	3156	**615331**	10	7443	**615767**	10
194NA	**615169**	10	1157	**615181**	10	3157	**615325**	10	BP1255H7	**615760**	3
912	**615321**	10	2057	**615203**	10	3157NA	**615326**	10	BP1255H11	**615797**	3

***All bulbs are from domestic manufacturer - manufacturers may vary.**

WAGNER'S BULB STORAGE BIN MERCHANDISER

- New cabinet design!
- Clear heavy-duty tip-out drawers for easily viewing product.
- Heavy-duty cabinet with latched extra storage compartment.
- Heavy-duty cabinet with latched extra storage compartment.
- See through bins...easy product selection and inventory at-a-glance.
- Convenient installation...wall-mount or place on your countertop.

PARTS BOOKLET PB108 SHIPPED WITH THIS ASSORTMENT

Order **Part No. 615320**



Wagner's assortment includes these part numbers

IND. NO.	PART NO.	QTY	IND. NO.	PART NO.	QTY	IND. NO.	PART NO.	QTY	IND. NO.	PART NO.	QTY
168	**615187**	10	921	**615322**	10	3057	**615329**	10	4157LL	**615784**	10
194	**615168**	10	1156	**615180**	10	3156	**615331**	10	7443	**615767**	10
194NA	**615169**	10	1157	**615181**	10	3157	**615325**	10	BP1255H7	**615760**	3
912	**615321**	10	2057	**615203**	10	3157NA	**615326**	10	BP1255H11	**615797**	3

***All bulbs are from domestic manufacturer - manufacturers may vary.**

MINIATURE BULBS

"CE" = Competitive Edge or Eiko Brand

ILLUSTRATIONS ON THIS PAGE ARE NOT ACTUAL SIZE.


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11


Fig. 12


Fig. 13


Fig. 14


Fig. 15


Fig. 16


Fig. 17


Fig. 18


Fig. 19


Fig. 20


Fig. 21


Fig. 22


Fig. 23


Fig. 24

DOMESTIC PART NUMBER	IMPORT PART NUMBER	BULB NUMBER	APPLICATION	BASE	FIG.
615155	**--**	PR-2	2D cell flashlight	S.C.	1
615332	**--**	L24	Sidemarker	Wedge	19
615393	**--**	37	Automotive	Wedge	33
615157	**--**	53	Instrument	S.C.	10
615159	**--**	57	Instrument	S.C.	3
615161	**CE67**	67	License Plate	S.C.	4
615788	**--**	68	Automotive/Marine	D.C. Bayonet	5
615759	**--**	73	Indicator	Wedge	33
615195	**--**	74	Instrument	Sub-Min. Wedge	6
615162	**--**	89	Interior/Trunk	S.C.	4
615163	**--**	90	Courtesy	D.C.	5
615164	**--**	97	Sidemarker	S.C.	4
615167	**--**	161	Sidemarker	Wedge	6
615187	**CE168**	168	Tail/License/Instrument	Wedge	6
615168	**CE194**	194	Instrument/Sidemarker	Wedge	6
615169	**--**	194NA	Sidemarker (amber)	Wedge	6
---	**CE194A**	194A	Sidemarker (amber)	Wedge	6
615794	**--**	PC194	Indicator/Instrument/Automotive	Printed Circuit	24
615198	**--**	198	Stop/Turn - H.D. Truck	D.C.	10
615199	**--**	199	Back-Up/Turn/Stop - H.D. Truck	S.C.	11
615170	**--**	211-2	Dome/Courtesy	Cap	7
615188	**--**	212-2	Courtesy	Cap	13
615189	**--**	561	Courtesy	Clip	14
615808	**--**	757	Indicator (24V)	Bayonet	15
615778	**--**	795	Auxiliary, Halogen	S.C. Bayonet	20
615779	**--**	862	Automotive, Signal, Halogen	Right Angle (plastic)	21
615377	**CE880**	880	Halogen Fog	Axial (plastic)	22
615378	**--**	881	Halogen Fog	Right Angle Axial (plastic)	21
615762	**--**	886	Automotive Halogen Fog	Right Angle (plastic)	21
---	**CE889**	889	Automotive, Halogen Signal	Right Angle (plastic)	32
---	**CE890**	890	Halogen Signal	Axial (plastic)	22
615344	**CE891**	891	3rd Brake Light	G-4 Two Pin	27
615381	**--**	893	Halogen Fog	Axial (plastic)	29

DOMESTIC PART NUMBER	IMPORT PART NUMBER	BULB NUMBER	APPLICATION	BASE	FIG.
---	**CE898**	898	Auto., Fog, Shielded, Halogen	Right Angle (plastic) Prefocus	
615790	**--**	904	Automotive	Wedge	31
615197	**CE906**	906	Interior - High Mount Stop	Wedge	6
615321	**CE912**	912	Interior - High Mount Stop	Wedge	6
615383	**CE916**	916	Marker/Park	Wedge	31
---	**CE916NA**	916NA	Marker/Park	Wedge	31
615322	**CE921**	921	High Mount Stop	Wedge	6
615385	**CE922**	922	3rd Brake	Wedge	31
615171	**--**	1003	Dome/Courtesy	S.C.	8
615172	**--**	1004	Dome/Courtesy	D.C.	9
615175	**--**	1073	Back-Up	S.C.	11
615391	**--**	1076	Stop/Turn/Park	D.C.	30
615177	**--**	1141	Back-Up	S.C.	11
615774	**--**	1142	Automotive	D.C. Bayonet	12
615180	**CE1156**	1156	Back-Up	S.C.	11
615392	**--**	1156DC	School Bus	D.C.	30
615345	**--**	1156NA	Turn/Park	S.C.	11
615181	**CE1157**	1157	Stop/Turn Signal	D.C.	10
615191	**CE1157NA**	1157NA	Park/Turn (natural amber)	D.C.	10
615795	**--**	1210/H3	Auxiliary, Off Road, Halogen	PKY22	25
615807	**--**	1235/H8	Fog, Automotive, Halogen	Right Angle (plastic)	40
615796	**--**	1251	Instrument (24V)	S.C. Bayonet	4
615761	**CE1255/H1**	1255/H1	Auxiliary, Various Audi & Volvo Halogen Headlamps	1 Blade	35
615346	**CE1255/H2**	1255/H2	Fog Lamp/55W	X511	26
615343	**CE1255/H3**	1255/H3	Fog Lamp/55W	PK22s	25
615760	**CE1255/H7**	1255/H7	Automotive, Various Audi & Volvo Halogen Headlight	2 Blade	34
615797	**--**	1255/H11	Automotive, Halogen	1 Blade	40
615781	**CE1260/H4**	1260/H4	Auxiliary, Off-Road, Motorcycle, Halogen	3 Blade	34
615798	**--**	1265/H9	Automotive, Halogen	1 Blade	35
615775	**--**	1662	Aircraft/Automotive (24V)	D.C. Index	12
615339	**--**	1683	Automotive/Truck (24V)	S.C.	11

S.C. - Single Contact **D.C. - Double Contact** **D.F. - Double Filament**

24 VOLT

ILLUSTRATIONS ON THIS PAGE ARE NOT ACTUAL SIZE.

"CE" = Competitive Edge or Eiko Brand

MINIATURE BULBS


Fig. 25


Fig. 26


Fig. 27


Fig. 28


Fig. 29


Fig. 30


Fig. 31


Fig. 32


Fig. 33


Fig. 34


Fig. 35


Fig. 36


Fig. 37


Fig. 38


Fig. 39


Fig. 40


Fig. 41


Fig. 42


Fig. 43

DOMESTIC PART NUMBER	IMPORT PART NUMBER	BULB NUMBER	APPLICATION	BASE	FIG.
615192	**--**	1816	Instrument	S.C.	15
615194	**--**	1893	Courtesy	S.C.	15
615186	**CE1895**	1895	Instrument	S.C.	3
615203	**CE2057**	2057	Stop/Turn/Tail/Park	D.C.	10
615204	**CE2057NA**	2057NA	Stop/Turn/Tail/Park (natural amber)	D.C.	10
615323	**--**	2357	Stop/Turn/Tail/Park	D.C.	10
615324	**--**	2357NA	Turn/Parking (natural amber)	D.C.	10
615806	--	2470/H3	Automotive, Fog, Auxiliary (24V)	PK22s	25
615809	--	2475/H7	Automotive, Halogen (24V)	2 Blade	34
615329	**CE3057**	3057	Stop/Turn/Tail/Park	D.C. Wedge	18
615330	**CE3057NA**	3057NA	Stop/Turn/Tail/Park (natural amber)	D.C. Wedge	18
615387	**--**	3155	3rd Brake	S.C. Wedge	18
615331	**CE3156**	3156	Stop/Turn/Tail/Park	S.C. Wedge	18
615782	**--**	3156NA	Automotive, Signal	S.C. Wedge	36
615325	**CE3157**	3157	Stop/Turn/Tail/Park	D.F. Wedge	16
615799	**--**	3157KX	Brake, Turn Signal	Wedge	36
615326	**CE3157NA**	3157NA	Turn/Parking (natural amber)	D.F. Wedge	16
615328	**--**	DE3175	Dome Lamp for Japan Vehicles	Cone Shaped	17
615347	**CE3357**	3357	Signal/Stop	D.C. Wedge	16
615348	**CE3357NA**	3357NA	Signal	D.C. Wedge	16
615394	**CE3457**	3457	Signal, Stop	D.C. Wedge	16
615783	**CE3457NA**	3457NA	Park, Signal, Automotive	D.C. Wedge	16
615389	**--**	3497	3rd Brake/Turn	S.C.	8
615810	**--**	3757NALL	Daytime Running Light, Automotive (natural amber)	D.C. Wedge	16

DOMESTIC PART NUMBER	IMPORT PART NUMBER	BULB NUMBER	APPLICATION	BASE	FIG.
615811	**--**	4057LL	Signal & Marking, Automotive	D.C. Wedge	16
615805	--	4114LL	Automotive, Signal, Marking	D.C. Wedge	16
615784	**--**	4157LL	Auto., Signal, Stop, Krypton	D.C. Wedge	16
---	**CE4157K**	4157K	(same as 4157K) (same as 4157LL)	D.C. Wedge	16
615785	**--**	4157NALL	Auto., Park, Signal, Krypton	D.C. Wedge	16
615766	**CE7440**	7440	Automotive Signal	S.C.Wedge	37
615800	**--**	7440NA	Signal, Automotive	S.C. Wedge	37
615767	**CE7443**	7443	Automotive Signal/Stop	D.C.Wedge	38
615812	**--**	7443NA	Signal, Automotive (natural amber)	D.C. Wedge	38
615813	**--**	9012LL	Automotive - H.I.R. (Halogen Infrared)	Right Angle Plastic	41
---	**CE9145/H10**	9145/H10	Fog, Automotive, Shielded, Halogen	Right Angle Plastic	40
615768	**--**	11005	Courtesy/Dome (12V 5W)	SV 8.5mm	17
615769	**--**	12100	Courtesy/Dome (12V 10W)	SV 8.5mm	24
615770	**--**	17171	Interior/Signal	BA15s	39
615786	**--**	17314	Auto., Interior, License Plate	SV 8.5mm	17
615814	**--**	17638NA	Signal, Automotive (natural amber)	BAU15s	42
615815	**--**	17881	Signal, Stop, Automotive	BAZ15d	43
615801	**--**	17916	Signal, Stop, Automotive	BAY15d	30

S.C. - Single Contact D.C. - Double Contact D.F. - Double Filament 24 VOLT

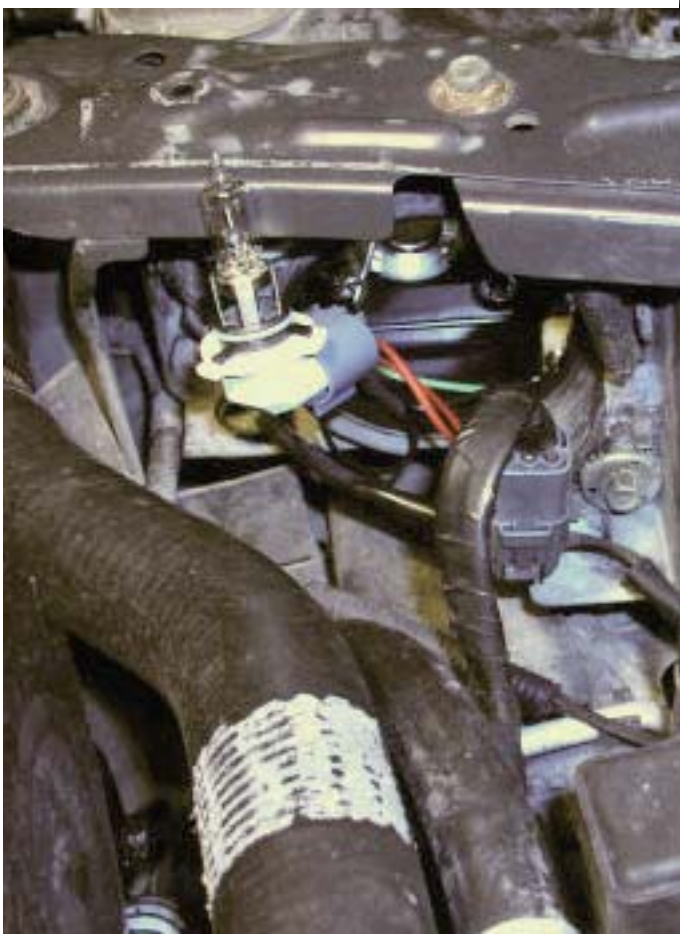
G SECTION SERVICE ITEMS













G13-5 PIX **PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.**

FUSES

MINI® FUSE

- Mini-Fuses® provide the sophisticated circuit protection needed by today's automobiles.
- These are standard equipment on all Chrysler vehicles and is being phased into all new cars & trucks.
- Permits more fuses to be placed in smaller spaces, allowing more circuits to be individually fused, essential in today's vehicles.
- Made of more heat resistant plastic to withstand high temperature environments, such as engine compartments.

SHOP ASSORTMENT

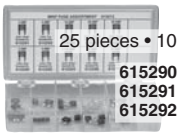


Part No. 615012
100 pieces • 10 items • 12038 plastic tray

615290 615293 615296 615299
615291 615294 615297
615292 615295 615298

Numbers in assortment

MINI "MINI®" ASSORTMENT



Part No. 615013
25 pieces • 10 items • 12030 plastic tray

615290 615293 615296 615299
615291 615294 615297
615292 615295 615298

Numbers in assortment



Mini-Fuse™ Refills

PART NUMBER	AMPS	IND. NO.	COLOR CODE	QTY
615290	2	MIN2	Gray	25
615291	3	MIN3	Violet	25
615292	4	MIN4	Pink	25
615293	5	MIN5	Tan	25
615294	7.5	MIN7.5	Brown	25
615295	10	MIN10	Red	25
615296	15	MIN15	Blue	25
615297	20	MIN20	Yellow	25
615298	25	MIN25	Clear	25
615299	30	MIN30	Green	25

MAXI™ FUSE

MAXI FUSE® is designed to protect high amperage circuits. **MAXI FUSE®** is being phased in OEM's as a state of the art replacement for the older style fusible-link.

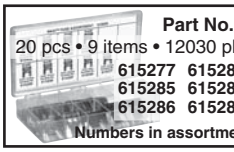
A reliable device for protection of automotive wiring harnesses.

- Contains a completely enclosed fuse link (similar to ATC®) it providing superior protection to the fusible link or the fusible wire which it will replace.
- A universally interchangeable product (again like the ATC®) making replacement easy.
- Color coded for simple identification.

Maxi-Fuse™ Refills

PART NUMBER	AMPS	IND. NO.	COLOR CODE	QTY
615285	20	MAX20	Yellow	5
615420	25	MAX25	Gray	5
615286	30	MAX30	Green	5
615421	35	MAX35	Brown	5
615287	40	MAX40	Orange	5
615288	50	MAX50	Red	5
615289	60	MAX60	Blue	5
615422	70	MAX70	Tan	5
615277	80	MAX80	Natural	5





Part No. 615006
20 pcs • 9 items • 12030 plastic tray

615277 615287 615420
615285 615288 615421
615286 615289 615422

Numbers in assortment

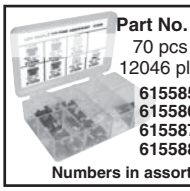
LOW PROFILE MINI® FUSE

- Similar performance characteristics as standard Mini® fuse.
- Uses the same rating and universal color-coding as Mini® (ATM) and Maxi (ATC) style fuses.
- Most commonly found in newer models both Import & Domestic brands.
- Low overall height allows for space and weight savings.

Low Profile Mini-Fuse™ Refills

PART NUMBER	AMPS	COLOR CODE	QTY
615585	5	Tan	25
615586	7-1/2	Brown	25
615587	10	Red	25
615588	15	Blue	25
615589	20	Yellow	25
615590	25	Clear	25
615591	30	Green	25





Part No. 615592
70 pcs • 7 items
12046 plastic tray

615585 615589
615586 615590
615587 615591
615588

Numbers in assortment

E-Z FUSE

- All our E-Z fuses feature open test ports, allowing continuity or voltage tests without removing fuse.
- Replaces ATC (Buss) and ATO (Littlefuse) fuses

E-Z Fuse Refills (ATO, ATC)

PART NUMBER	AMPS	COLOR CODE	QTY
615223	1	Black	25
615224	2	Gray	25
615214	3	Violet	25
615222	4	Pink	25
615215	5	Tan	50
615216	7-1/2	Brown	25

PART NUMBER	AMPS	COLOR CODE	QTY
615217	10	Red	25
615221	15	Lt. Blue	25
615218	20	Yellow	25
615219	25	Clear	25
615220	30	Green	25
615232	40	Orange	25

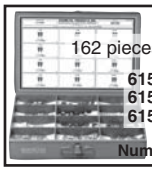


(Actual size)

All these fuses are contained in the assortments shown below.

SHOP ASSORTMENT

- Sturdy steel tray fits Part slide rack system.
- Complete coverage, 1 thru 40 amp, **ATO & ATC.**
- Color coded for easy identification.



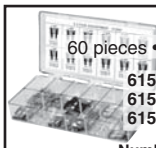
Part No. 501342
162 pieces • 12 items • 12061 steel tray

615214 615217 615220 615223
615215 615218 615221 615224
615216 615219 615222 615232

Numbers in assortment

MECHANICS ASSORTMENT

- Handy tray is perfect size for road service.
- Complete coverage, 1 thru 40 amp, **ATO & ATC.**
- Color coded for easy identification.



Part No. 615007
60 pieces • 12 items • 12030 plastic tray

615214 615217 615220 615223
615215 615218 615221 615224
615216 615219 615222 615232

Numbers in assortment

LED INDICATOR GLOW FUSES







MINI GLOW FUSE REFILLS	AMPS	COLOR CODE	QTY	E-Z GLOW FUSE REFILLS	QTY
615725	3	Violet	10	615736	10
615726	5	Tan	10	615737	10
615727	7.5	Brown	10	615738	10
615728	10	Red	10	615739	10
615729	15	Blue	10	615740	10
615730	20	Yellow	10	615741	10
615731	25	Clear	10	615742	10
615732	30	Green	10	615743	10

- LED lights immediately when fuse blows for fast and easy identification.
- All fuses are color coded for amperage.
- Manufactured to exact OEM specifications.

MINI GLOW FUSE ASST.



Part No. 615734
40 pieces • 8 items • 12046 plastic tray

615725 615727 615729 615731
615726 615728 615730 615732

Numbers in assortment

E-Z GLOW FUSE ASST.



Part No. 615745
40 pieces • 8 items • 12046 plastic tray

615736 615738 615740 615742
615737 615739 615741 615743

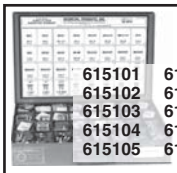
Numbers in assortment

G14

FUSES

GLASS & E-Z MASTER FUSE ASSORTMENT

- Contains all popular domestic and import glass fuses, and late model E-Z fuses from 1 through 30 amp rating.
- Metal tray fits our slide rack system.



Part No. 501074
301 pieces • 32 items • 12062 steel tray

615101	615106	615122	615131	615138	615217	615222
615102	615107	615123	615132	615139	615218	615280
615103	615112	615126	615135	615214	615219	
615104	615113	615128	615136	615215	615220	
615105	615120	615130	615137	615216	615221	

Numbers in assortment

E-Z, (ATC, ATO), MINI® & MAXI™ MASTER FUSE ASSORTMENT

- Contains all popular sizes of E-Z fuses, 1 thru 40 amp, Mini fuses, 2 thru 30 amp & Maxi fuses 20 thru 80 amp.
- Color coded for easy identification.
- All fuses are organized, in one convenient location whenever needed.



Part No. 501679*
128 pieces • 31 items • 12062 steel tray

615214	615219	615224	615287	615292	615297	615422
615215	615220	615232	615288	615293	615298	
615216	615221	615277	615289	615294	615299	
615217	615222	615285	615290	615295	615420	
615218	615223	615286	615291	615296	615421	

Numbers in assortment

***Complete Assortment Refills** for Top "20" Assortment are available and are shipped in a corrugated tray (just add RF to Part No.)

DOMESTIC GLASS FUSE ASSORTMENT



- Supplies most used fuses with minimum stock.
- Perfect size for road service kit.
- Contains 100 fuses.
- BUSS No. 100.

Part No. 615005

G14

GLASS FUSES FOR AUTOMOTIVE, RADIO & INSTRUMENT PROTECTION

1/4" Diameter

NO.	FULL SIZE ILLUSTRATION	LENGTH
1		5/8"
2		3/4"
3		21/32"
4*		31/32"
5		7/8"
6		1-1/16"
7		1-1/4"
8		1-7/16"
9		1"
10		31/32"

Packed in Tins of 5 Fuses

PART NUMBER	INDUSTRY NUMBER	ILL NO.	PART NUMBER	INDUSTRY NUMBER	ILL NO.
615101 D	SFE–4	1	615126 D	AGC–1	7
615102 D	SFE–6	2	615127	AGC–1-1/2	7
615103 D	SFE–7-1/2	5	615128 D	AGC–2	7
615104 D	SFE–9	5	615129	AGC–2-1/2	7
615105 D	SFE–14	6	615130 D	AGC–3	7
615106 D	SFE–20	7	615131 D	AGC–4	7
615107 D	SFE–30	8	615132 D J	AGC–5	7
615110	AGA–2	1	615134	AGC–7-1/2	7
615112 D	AGA–3	1	615135	AGC–10	7
615113 D	AGA–5	1	615136 D J	AGC–15	7
615118	AGA–20	1	615137 D	AGC–20	7
615119	AGA–30	1	615138 J	AGC–25	7
615120 G	GBC–8*	4	615139 D	AGC–30	7
615120C G	GBC–8 white ceramic	10	615280 D J	AGC–35	7
615121	GBC–15*	4	615144	AGW–6	5
615122 G	GBC–16*	4	615148	AGX–20	9
615122C G	GBC–16 red ceramic	10	D = TOP SELLING DOMESTIC SIZES		
615123 G	GBC–25*	4	J = TOP SELLING JAPANESE SIZES		
615123C G	GBC–25 blue ceramic	10	G = TOP SELLING GERMAN SIZES		

615106-100 SPECIAL VALUE PACK FOR VOLUME BUYERS

* Unlike imported ceramic fuses, BUSS® type GBC is totally encapsulated for safety in the presence of gasoline fumes. However, fit and service are the same as original equipment.

SHOULD CUSTOMER DESIRE OE CERAMIC, OPEN-FACE FUSE, THEY ARE AVAILABLE IN 8, 16 AND 25 AMP. ORDER SAME PART NUMBER WITH "C" SUFFIX.

MICRO2 FUSE



- New standard for vehicle circuit protection.
- Sub-miniature design.
- Space saving - allows more fuses to fit in smaller spaces.
- Used as a replacement fuse in new vehicles.
- Color coded for easy identification.

MICRO2 Fuse Refills

PART NUMBER	AMPS	COLOR CODE	QTY
615601	5	Tan	25
615602	7.5	Brown	25
615603	10	Red	25
615604	15	Blue	25
615605	20	Yellow	25
615606	25	Clear	25
615607	30	Green	25

MICRO3 FUSE



- 3 terminals an 2 fuse elements with a common central terminal.
- Space saving with sub-miniature design.
- High temperature tolerance in adverse environments.
- Meets the need for more circuits to be protected while utilizing less space.

MICRO3 Fuse Refills

PART NUMBER	AMPS	COLOR CODE	QTY
615621	5	Tan	25
615622	7.5	Brown	25
615623	10	Red	25
615624	15	Blue	25

MICRO 2 & MICRO 3 FUSE ASST.

Part No. 615598
110 pcs • 11 items • 12030 plastic tray

615601	615604	615607	615623
615602	615605	615621	615624
615603	615606	615622	

Numbers in assortment

FUSES

PAL™ FUSES

Commonly found on many automotive built vehicles.

- **Available in female connector, male connector and bent connector.**
- **Color indicates amp rating.**
- **Designed to withstand high current levels and high temperatures.**

20 AMP LT. BLUE	30 AMP PINK	40 AMP GREEN	50 AMP RED	60 AMP YELLOW	70 AMP BROWN	80 AMP BLACK	100 AMP BLUE	120 AMP GRAY	140 AMP MAROON*	Exception shown below.

FLF SERIES
FEMALE TERMINAL



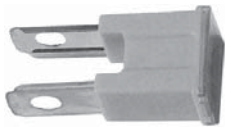
PART NUMBER	AMPS	IND. NO.	COLOR CODE
615366	20	PAL20	Lt. Blue
615351	30	PAL30	Pink
615352	40	PAL40	Green
615360	50	PAL50	Red
615353	60	PAL60	Yellow

FLS SERIES
MINI FEMALE TERMINAL



PART NUMBER	AMPS	IND. NO.	COLOR CODE
615372	30	PAL330	Pink
615373	40	PAL340	Green

FLM SERIES
MALE TERMINAL



PART NUMBER	AMPS	IND. NO.	COLOR CODE
615354	30	PAL130	Pink
615355	60	PAL160	Yellow
615356	80	PAL180	Black
615361	100	PAL1100	Blue
615365	120	PAL1120	Gray

FLB SERIES
13/16" BENT MALE TERMINAL



PART NUMBER	AMPS	IND. NO.	COLOR CODE
615357	30	PAL230	Pink
615358	40	PAL240	Green
615362	50	PAL250	Red
615363	60	PAL260	Yellow
615359	70	PAL270	Brown
615364	80	PAL280	Black
615258	100	PAL2100	Blue
615259	120	PAL2120	Gray
615399	140	PAL2140	Maroon

FLD SERIES
9/16" BENT MALE TERMINAL



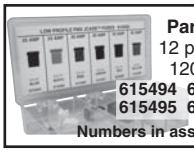
PART NUMBER	AMPS	IND. NO.	COLOR CODE
615367	30	PAL430	Pink
615368	40	PAL440	Green
615369	50	PAL450	Red
615370	80	PAL480	Black
615371	100	PAL4100	Blue

LOW PROFILE FMX SERIES JCASE™ FUSE

- **Many late model Domestic & Import applications.**
- **Offers high AMP protection in a compact package.**
- **Each AMP rating is color coded and marked.**
- **Lower overall height allows for space and weight savings.**



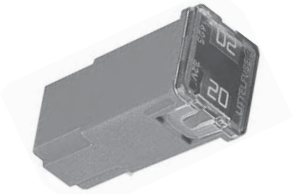
PART NUMBER	AMPS	IND. NO.	COLOR CODE
615494	20	FMX20LP	Blue
615495	25	FMX25LP	White
615496	30	FMX30LP	Pink
615497	40	FMX40LP	Green
615498	50	FMX50LP	Red
615499	60	FMX60LP	Yellow



Part No. 615500
12 pieces • 6 items
12032 plastic tray
615494 615496 615498
615495 615497 615499
Numbers in assortment

FMX SERIES JCASE™ HIGH AMP FUSE

- **High current fuse used on some 97 & newer Japanese cars.**
- **Currently being designed into more new models.**
- **Special time delay & low voltage drop.**



FMX Series JCASE™ High Amp Fuse Refills

PART NUMBER	AMPS	IND. NO.	COLOR CODE
615424	20	JCAS20	Blue
615433	30	JCAS30	Pink
615434	40	JCAS40	Green
615444	50	JCAS50	Red
615445	60	JCAS60	Yellow



Part No. 615019
10 pieces • 5 items
12034 plastic tray
615424 615434 615445
615433 615444
Numbers in assortment

MCASE FUSE

- **A cartridge style fuse with female terminals for 2.8mm male terminals.**
- **Miniaturized footprint for optimal usage of space.**
- **Time delayed fuse.**



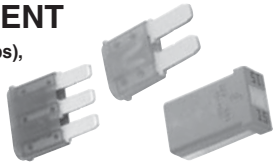
MCASE Fuse Refills

PART NUMBER	AMPS	IND. NO.	COLOR CODE
615641	15	FMM-15	Gray
615642	20	FMM-20	Blue
615643	25	FMM-25	White
615644	30	FMM-30	Pink
615645	40	FMM-40	Green

Part No. 615597
25 pcs • 5 items • 12028 plastic tray
615641 615643 615645
615642 615644
Numbers in assortment

MICRO2, MICRO3 & MCASE FUSE ASSORTMENT

- **Contains all sizes MICRO2 (5 thru 30 amps), MICRO3 (5 thru 15 amps) and MCASE (15 thru 40 amps).**
- **Handy tray is perfect for shop or road.**
- **Color coded for easy identification .**



Part No. 615600
160 pcs • 16 items • 12026 plastic tray
615601 615604 615607 615623 615642 615645
615602 615605 615621 615624 615643
615603 615606 615622 615641 615644
Numbers in assortment

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FUSES, MISC. FUSES (Cartridge, High Amp & 3AG) & FUSE HOLDERS

3 AG (AGC) FAST-ACTING FUSE

- Fast-acting protection of electronic equipment and appliances.
- The circuit protection standard for cost effective reliability and performance.
- Voltage rating: 250 volt (1/4 - 10A), 32 volt (10A - 35A).
- Approvals: UL listed and CSA Certified.



PART NUMBER	VOLTAGE RATING	AMPS	QTY
615462	250V	1/2	5
615463	250V	3/4	5
615467	250V	2	5
615470	250V	4	5

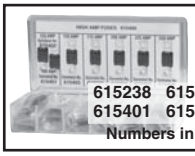
PART NUMBER	VOLTAGE RATING	AMPS	QTY
615471	250V	5	5
615472	250V	6	5
615473	250V	7	5

HIGH AMP BOLT-ON FUSES

Ideal for battery and alternator cables or other heavy gauge cables requiring ultra-high current protection.



- **Interchange with Bussman "AMG" & Littlefuse "MEGA".**
- Mounting holes .34 dia.
- Holes space 2.0" apart.



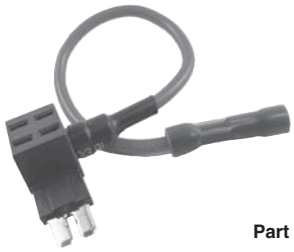
Part No. 615400
7 pieces • 7 items
12032 plastic tray
615238 615402 615404 615406
615401 615403 625405
Numbers in assortment

***NOTE: 615238 Fits:**
1995-up Jeep Grand Cherokee (on starter)
1995-up Ford Explorer (under dash)

PART NUMBER	AMPS
615401	100
615402	125
615403	150
615238*	175

PART NUMBER	AMPS
615404	200
615405	225
615406	250

MICRO2 FUSE CIRCUIT TAP



- Allows easy installation of additional circuits without cutting or splicing.
- Maximum installation rating up to 20A.
- 5" - 16 gauge wire - UL1015.
- Insulated butt connector.

Part No. 615560

MICRO2 INLINE FUSE HOLDER



- Waterproof.
- 15 amp.
- 5" - 16 gauge red wire leads.
- Black PVC cover.

Part No. 615561

IN-LINE FUSE HOLDERS

For ATC, ATO & E-Z fuse.

- Made of heat resistant PVC.
- Supplied with two 4" leads. Fuse not included.
- For all automotive, truck & marine applications.



PART NUMBER	TYPE	LEADS	RATED TO	QTY
32327	Std.	16 ga.	20 amps	12
32345	H.D.	12 ga.	30 amps	12

HEAVY DUTY FUSE HOLDER ASSEMBLY



Part No. 32333 (12)

- A universal fuse holder of molded bakelite for high voltage applications.
- Made with heavier wire 12 gauge 8" wire loop with staked and soldered terminals.
- Bayonet type knob makes fuse replacement easy.
- Complete with 30 amp fuse but will accept and AGC or SFE fuse.

UNIVERSAL FUSE HOLDER

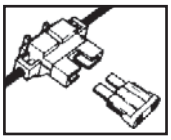


- Fuse included-ready to install.
- No soldering necessary.
- 16 ga. wire.

PART NUMBER	AMPS	QTY
32329	14	6

SELF-STRIPPING E-Z FUSE HOLDER

Part E-Z fuse • Littlefuse ATO fuse • Bussman ATC fuse

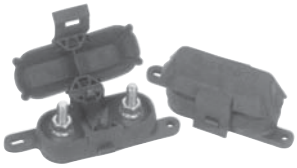




- Cuts time and cost of installing in line E-Z fuses.
- Fits 18 thru 14 ga. wire.
- Simplifies hook-up.
- Patented self-stripping design requires no wire stripping.
- Install with pliers. No special tools are necessary.

Part No. 615245 (24)

HIGH AMP FUSE HOLDER



High amp mountable fuse holder. Comes with black rubber cover for protection. Cables can be attached from the front, side or the back, 5/16" thread size, nuts included. 1/4" mounting hole. Use with 2 ga. through 8 ga. wire.

Part No. 615408

FUSE TAPS

For Blade Fuses

Tab width: .250 (1/4)



Part No. 210283 (100)

For MINI Fuses

Tab width: .187 (3/16)



Part No. 615233 (50)

ATO®/MINI® TESTER & PULLER



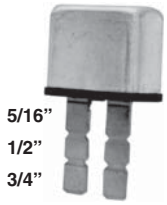
- Test and replace ATO/ATC/ E-Z and Mini fuses.
- Indicator glows bright green when fuse is good.

Part No. 615153

CIRCUIT BREAKERS

UNIVERSAL BLADE STYLE CIRCUIT BREAKERS

Heavy duty replacements for ATC/ATO/E-Z fuses. Snap-off blades guarantee 100% fit in all applications.



Snap off tabs at desired length.

- Fits all cars, light and heavy duty trucks.
- Can be used in fuse blocks requiring offset blades.
- For 12 volt DC electrical systems.
- **Continuously self-resetting;** designed for maximum efficiency and dependability.
- Features universal male blade terminals to fit OEM fuse blocks; assures greater mounting adaptability and helps to minimize inventory.
- Terminals are grooved for easy size adjustment: simply snap-off tabs at desired position with pliers (one terminal at a time.)

PART NUMBER	AMPS	QTY
615251	10	6
615252	15	6
615253	20	6
615255	25	6
615254	30	6



Part No. 615010
8 pieces • 5 items
12032 plastic tray

615251 615252 615253 615254 615255

Numbers in assortment

MINI® CIRCUIT BREAKERS

Standard footprint MINI® circuit breakers, Type II.

- Designed to fit in a MINI fuse block or panel.
- Type II non-cycling, used primarily as a harness protector in 12 volt DC automotive systems.
- **Buss CB212 Series.**





Part No. 615023
7 pieces • 5 items
12034 plastic tray

615515 615516 615517 615518 615519

Numbers in assortment

PART NUMBER	AMPS
615515	10
615516	15
615517	20
615518	25
615519	30

HI-AMP CIRCUIT BREAKERS

Thermal type circuit breakers offer an economical means for limiting over load currents. Since the breaker resets, unlike a fuse, no replacements are required. Various sizes, configurations and styles meet many application requirements.

- Three styles are available with 50 to 150 amp ratings: automatic reset, manual reset, and manual reset with a manual trip feature.
- The manual resets feature a unique reset mechanism for visual indication of a tripped condition.
- Plastic housing approved for engine compartment or marine bilge area applications.
- Typically used for auxiliary and accessory circuits on trucks, buses, recreational vehicles, marine and construction equipment.
- Single pole thermal type breakers are rated up to 30 volts DC maximum.
- Operating temperature of -25°F to 180°F. 1/4-28 studs and surface mount style have rubber boots for insulating the ends.

Surface Mount Automatic Reset



Surface Mount Manual Reset



Surface Mount Manual Reset with Manual Push to Trip Button (SEE NOTE)



HI-AMP BREAKERS SURFACE MOUNT			
AMPS	AUTOMATIC RESET STOCK NO.	MANUAL RESET STOCK NO.	MANUAL TRIP PUSH BUTTON STOCK NO.
50	618450	---	618462
60	618451	---	618463
80	618452	---	---
100	618453	618459	618465
120	618454	---	---
150	---	618461	618467

NOTE: Push to trip functions are similar to manual reset, but push to trip has the additional feature of being manually tripped if circuit interruption is required.

LOW PROFILE ATC CIRCUIT BREAKERS

- Single pole thermal overload type circuit protection devise.
- Used in many automotive, marine, and industrial applications.
- Ideal when space is limited and for replacing fuses on critical accessories.
- Color coded for easy identification.

Low Profile ATC Circuit Breakers Refills

PART NUMBER	AMPS	COLOR CODE	QTY
615661	5	Tan	3
615662	6	Green	3
615663	7.5	Brown	3
615664	10	Red	3
615665	15	Blue	3
615666	20	Yellow	3
615667	25	White	3
615668	30	Lt. Green	3

Manual Reset Type III



Part No. 615596
8 pcs • 8 items • 12030 plastic tray

615661 615664 615667
615662 615665 615668
615663 615666

Numbers in assortment

CIRCUIT BREAKERS

CIRCUIT BREAKER SAE TYPE DEFINITIONS

TYPE I - Automatic Reset
Cycles or continuously resets until the fault is corrected. Type I circuit breakers are typically used to protect circuits which occasionally experience momentary overloads such as wiper motor and headlamp circuits where a self resetting device is preferred.

TYPE II - Modified Reset
Non-cycling, remains in open position while there is power to the circuit. Resets when ignition is turned off. Type II circuit breakers are typically used in applications where fuse replacement is objectionable, such as power window, seat and sunroof circuits.

TYPE III - Manual Reset
Manually resettable circuit breakers remain in the open position until a button, lever or other external reset device is manually depressed. Type III circuit breakers are typically used in applications where a manual reset is desired for safe diagnosis of a circuit fault.

IN-LINE LUG MOUNT CIRCUIT BREAKERS

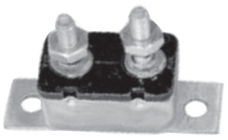
Type I, continuously self-resetting for 6, 12, 24* Volt applications.

SNAPS INTO STANDARD OE BRACKET



PART NUMBER	AMPS	PART NUMBER	AMPS
618355	20	**618368**	35
618362	25	**618357**	40
618353	30	**618354**	50

SUPPLIED WITH BRACKET



PART NUMBER	AMPS	PART NUMBER	AMPS
618365	10	**618359**	30
618366	15	**618369**	35
618356	20	**618358**	40
618367	25	**618360**	50

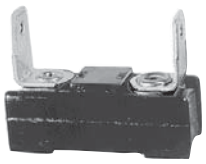
**** 24 volt applications limited to resistive loads, lamp loads and a few inductive loads.***

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TRUCK CIRCUIT BREAKERS – Non-Cycling

- **Type II – conforms to SAE J553C.**
- **OEM replacement – plug-in type for breaker blocks.**
- **Does not cycle, remains open as long as overload exists. Resets when situation is corrected, or when ignition is turned off.**

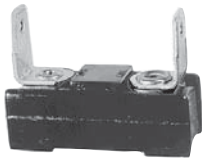
MACK



MALE BLADE TERMINALS ON 1.00" CENTERS

PART NUMBER	AMPS
615260	15
615261	20
615262	25
615263	30

NAVISTAR / IHC



MALE BLADE TERMINALS ON 1.08" CENTERS

PART NUMBER	AMPS
615264	10
615266	20
615267	30

MAXI CIRCUIT BREAKERS

- **These are interchangeable with Maxi automotive fuses.**
- **Rated to 24 volt DC maximum.**
- **Maxi size case.**
- **Conforms to SAE spec J553 Type I or III.**



Automatic Reset Type I

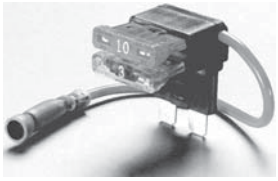
TYPE I AMPS	AUTOMATIC RESET TYPE III STOCK NO.
20	**615525**
30	**615526**
40	**615527**
50	**615528**

CIRCUIT PROTECTION ACCESSORIES

ADD-A-CIRCUIT™

A fuse tap and fuse holder that adds additional circuits without cutting or splicing.

- Fast and easy - plugs right into fuse block providing and extra circuit and protection in one step - no cutting or splicing.
- Maintains new car warranties.
- Add any accessory up to 10 amps such as car phone, fax machine, radar detector, CD player, beverage cooler/warmer.
- Saves time and money.



Fuses not included

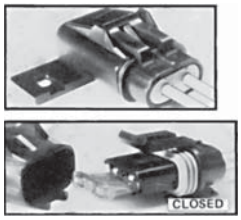
TWO SIZES AVAILABLE TO FIT ATC/ATO/E-Z and Mini®

ATC/ATO/E-Z - Part No. 615279
Mini® - Part No. 615278

SEALED, HD, AUTOFUSE HOLDER

For ATC/ATO & E-Z fuses, 3 to 30 amp.

- Moisture proof.
- 12 ga. wire tolerates high engine compartment temperatures & most solvents.
- Used by GM since 1985 for auxiliary cooling fan motor harness, and since 1989 to fuse electric fuel pumps.
- For most severe applications.
- Nylon cap and silicone rubber seals - resists moisture, salt spray, oils & fuels.
- For use in recreational vehicles, van conversions, motor homes, police cars, emergency vehicles, buses, trucks, race cars, street rods, boats and industrial equipment.
- Fuse not included.



Part No. 32346 6

SEALED, HD, MINIFUSE HOLDER

For "MINI" fuses, 2 to 30 amp.

- Designed for engine compartment use.
- Heat stabilized nylon body.
- Silicone rubber seals.
- Locking cap with mounting bracket.
- Extra long 12 ga. 10" XL (Cross Linked Polyethylene) insulated wire leads will not melt under extreme heat.
- Not affected by most automotive fluids.
- Fuse not included.



Part No. 32332 (12)

MAXI™ FUSE FUSE HOLDER WITH PROTECTIVE CAP

Ideal for high amperage Maxi™ Fuse applications where protective cover is required for harsh environments under the hood.

APPLICATIONS

- Fusible wire retrofit, eliminates fusible links.
- High power accessory lighting.
- Stereo and public address systems.bars).
- High amperage alternators.
- Service vehicles accessories (motors, winches, generators and light bars).

- Two 6" 6 gauge wire leads.
- Rated to 60 amperes at 32 volts.
- Protective cover permits use in harsh environments.
- Mounting hole for firewall installation.
- Alcryn body and cover, and cross link wire for high temperature application.
- Cap secured with removable safety strap.
- Interlock body design for multiple fuse applications.



Part No. 615236

MINI® FUSE HOLDERS

Universal in-line fuse holders designed for use with the soon to be standard Mini® Fuse. Ideal for add-on accessory protection, including under the hood applications.

- Two 4" wire leads.
- Available with 14 gauge black wire, rated up to 20 amps or 12 gauge orange wire, rated up to 30 amps.
- Heavy duty 30 amp fuse holder includes orange insulated wire for easier identification.
- Protective cover permits use in harsh environments.
- Alcryn body and cover for high temperature applications.
- Cap secured with removable strap.



Part No. 615234 2



Part No. 615235 2 **Heavy Duty**

FUSE HOLDERS WITH PROTECTIVE CAP

For ATO/ATC & E-Z fuses.

- Heavy duty.
- Weather resistant.
- Black TPE body & cap.
- Fuse not included.

Part No. 32385 (12)
Orange 2 x 4" 12 gauge leads
For fuses through 30 amps.

Part No. 32380 (12)
Black 2 x 4" 16 gauge leads
For fuses through 20 amps.



ATC/ATO/E-Z BLADE-TYPE FUSE PANELS

- Compact, lightweight and rugged enough to use in recreational vehicles, trucks, buses and boats.
- The panels will accept -® blade type fuses or blade type automatic or manual reset circuit breakers.
- 30A maximum rating per branch circuit.
- Panels range from 6 to 12 branch protected circuits.
- 160A maximum rating for all branches.
- Easy wiring with 1/4" quick connect branch circuit terminal and stud common ground or 1/4" quick connect, if preferred.
- No top cover is needed, recessed trifurcate fuse contacts.
- Molded of high grade thermoplastic.
- Rated to 105°C with a 94V-0 flame retardant.
- Recessed mounting holes.

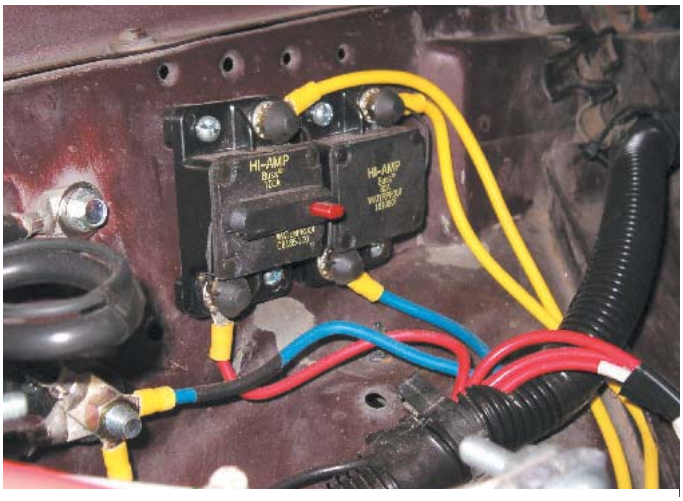
PART NO. NO GROUND TERMINALS	PART NO. W/GROUND TERMINALS	NO. OF CIRCUITS
615506	---	6
---	615511	8

NO GROUND

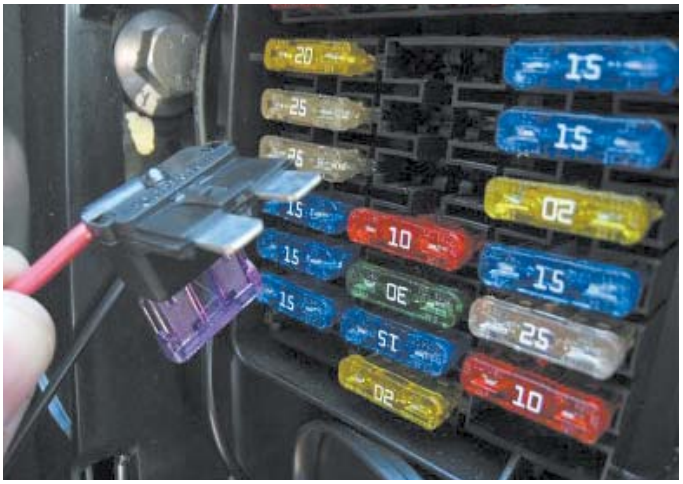


WITH GROUND

G SECTION SERVICE ITEMS

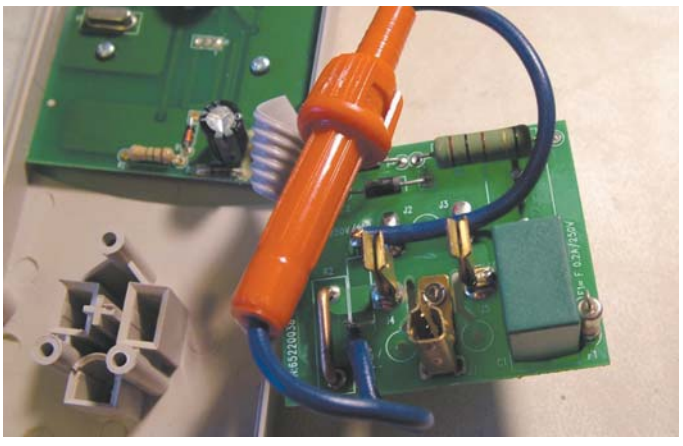












G14-7 PIX **PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.**

ARROW & KD LIGHTING

2-1/2" DIAMETER-SINGLE BULB

DIMENSIONS: Series AR054: 2-1/2" dia. x 15/16" H. Two 13/64" mtg. Holes on 1-5/16" centers.
MATERIAL: Acrylic lens, ABS housing, phos. bronze contacts AR054-02: black vinyl grommet.
FEATURES: All plastic design, heavy-duty shock protected bulb, side or rear wire exit, completely non-ferrous throughout, "Flow-thru" design... moisture can't be trapped behind lamp. Twist Off Lens, Wedge Base Bulb, Shock Mounted, Corrosion Proof, Positive Moisture Seal.



PART NUMBER	DESCRIPTION	REPLACEMENT PARTS LENS	12V BULB
628004	**AMBER**, White Finish,		168
AR05400712	Marker Only With Pigtail		
628005	**RED**, White Finish,		168
AR05400722	Marker Only With Pigtail		

ARMORED TYPE

DIMENSIONS: Series AR055: 2" x 4-1/2" x 1-1/2" H. Two 1/4" mtg. holes on 4" centers.
MATERIAL: Steel housing, non-ferrous electric system, sponge rubber lens gasket, polycarbonate lens, molded rubber wire grommet.
FINISH: Gray
FEATURES: Lens guaranteed against breakage for 3 years, Mounts without disassembly, PC rated, Side or rear exit, surface mtg.



PART NUMBER	DESCRIPTION	REPLACEMENT PARTS LENS
628006	**AMBER**, Steel, One 12V Bulb,	**628018 (Amber)**
AR05500512	4 C.P. PC #67	AR96200791
628007	**RED**, Steel, One 12V Bulb,	**628019 (Red)**
AR05500522	4 C.P. PC #67	AR96200792

THINLINE MARKER

DIMENSIONS: Series AR057: 5" L. x 25/32" W. x 1-1/8" H. Two 1/4" mtg. holes on 4" centers.
MATERIAL: White ABS plastic base, acrylic lens; zinc plated phos. bronze contacts.
FINISH: White
FEATURES: All plastic - completely non-ferrous, 25/32" thin! Fits anywhere, shock mounted wedge bulb, snap on lens and branches ski-jump over lens.



PART NUMBER	DESCRIPTION	REPLACEMENT PARTS 12V BULB (168)
628008	**AMBER**, PC Rated, 3 C.P.	**628020 (Amber)**
AR05700712	Bulb Marker	AR96200871
628009	**RED**, PC Rated, 3 C.P.	**628021 (Red)**
AR05700722	Bulb Marker	AR96200872

ALUMINUM DIE CAST ARMORED TYPE

DIMENSIONS: Series AR050: 2-1/16" W. x 5-7/8" L. x 1-1/2" H. Two 1/4" holes on 4-3/8" centers or four 13/64" holes on 3-7/8" x 13/16" centers.
MATERIAL: Aluminum die cast housing, aluminum base, acrylic lens, volara mtg. and felt lens gasket.
FINISH: Plain aluminum.
FEATURES: Mounts without disassembly, stainless steel socket.



PART NUMBER	DESCRIPTION
628027	**AMBER**, Flush Armored,
AR05004512	4 C.P. PC #67
628028	**RED**, Flush Armored,
AR05004522	4 C.P. PC #67

SEALED LAMP MARKER

DIMENSIONS: Series AR052: 11/16" W. x 4-1/2" L. x 1-1/16" H. Two 1/4" diameters mounting holes on 4" centers.
MATERIAL: White ABS plastic base, acrylic lens; brass contacts, grommet molded to wire assembly.
FINISH: White
FEATURES: Quickdisconnect wire assembly, corrosion proof. Sonically selaed throw away light.



PART NUMBER	DESCRIPTION
628029	**AMBER**, Sealed Marker,
AR05200712	PC Rated, 2 C.P.
628030	**RED**, Sealed Marker,
AR05200722	PC Rated, 2 C.P.

STEP LIGHT

Step light or courtesy light suitable for transit, school bus and all vehicles requiring additional lighting. Lens top covered with hood.

BODY: Brass.
SIZE: 3-11/16" long x 2-7/8" wide x 2-1/8" high.
MOUNTING: Two holes for #10 screws. 7/8" diameter clearance hole required for mounting.
FEATURES: Brass body and polycarbonate lens resistant to rust and corrosion.
BULB: #1141.



PART NUMBER		DESCRIPTION
628164	KD3360	**CLEAR**, Chrome-Plated Finish

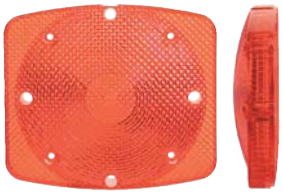
G15

WELDON LIGHTING

STOP, TURN and TAIL LENS

Surface Mount Series

Commonly used on school buses, ambulances and fire trucks where high visibility signaling is desired.



- Our 7" x 8" lamp series is available in both double and single function for stop, turn and tail lamps.

— REPLACEMENT PARTS —

PART NUMBER		DESCRIPTION
628523	WT2011R	**RED**, Lens
628522	WT2011A	**AMBER**, Lens

CLEARANCE MARKER LAMPS

Surface Mount Series

Common in the school & commercial bus markets.

- The WT5000 series features a rugged steel base.
- Mounts on 1.5" centers, grounds through the base and has a single lead wire.
- 3 candlepower.



— REPLACEMENT PARTS —

PART NUMBER		DESCRIPTION
628537	WT5002R	**RED**, Lens
628536	WT5002A	**AMBER**, Lens

PART NUMBER		DESCRIPTION	MOUNT	COLOR	BULB	AMP
628535	WT5000R	Marker	Surface	**RED**	168	.35
628534	WT5000A	Marker	Surface	**AMBER**	168	.35

CLEARANCE MARKER LAMPS

Surface Mount Series

- Our armored clearance marker lamp series features two bulbs for redundant light sources.
- The WT5100 series has a bright, chrome-plated shield for years of beautiful service.
- Mounts on 4.5" centers, grounds thru the mounting base and has two-lead wires.
- 2 candlepower per bulb.



— REPLACEMENT PARTS —

PART NUMBER		DESCRIPTION
628537	WT5002R	**RED**, Lens
628536	WT5002A	**AMBER**, Lens

PART NUMBER		DESCRIPTION	MOUNT	COLOR	BULB	AMP
628545	WT5100R	Marker	Surface	**RED**	1895	.54
628542	WT5100A	Marker	Surface	**AMBER**	1895	.54
628549*	WT5100R3W	Marker	Surface	**RED**	1895	.54
628544*	WT5100A3W	Marker	Surface	**AMBER**	1895	.54

*3 wire

CLEARANCE MARKER LAMPS

Surface Mount Series

Used as an identification & clearance marker lamp.

- The WT5050 series is designed with a rugged steel base.
- Features pass-through lens mounting screws.
- Mounts on 1.5" centers and grounds through the base.



— REPLACEMENT PARTS —

PART NUMBER		DESCRIPTION
628539	WT5020R	**RED**, Lens
628538	WT5020A	**AMBER**, Lens

PART NUMBER		DESCRIPTION	MOUNT	COLOR	BULB	AMP
628541	WT5050R	Marker	Surface	**RED**	904	.69
628540	WT5050A	Marker	Surface	**AMBER**	904	.69

EIGHT-WAY FLASHER

Surface Mount Series

Meets every conceivable school bus application.



- All internal components and electronics are potted to provide protection from humidity, moisture, road shock and vibration.
- Sealed unit contains eleven fast-on blade terminals, including ground to reduce installation time and confusion.
- 16 amp terminal load with overload protection and installation and connection instructions printed on the flasher s surface.
- The flasher can be mounted with two #10 screws.
- The WT7000 can be easily adapted for a four-way lamp application.

PART NUMBER		DESCRIPTION	MOUNT
628546	WT7000	Universal	Surface

MODEL SBF90 EIGHT-LAMP FLASHER

Designed primarily for the parts replacement market, this flasher is a "drop in" replacement for the Weldon 7000 and Transpec 6500 flashers in that it has the same mounting hole centers, terminal types, pin assignments and functionality.



Part No. 628590

- Eleven (11) 0.250 inch Faston terminals for wiring connections.
- Industry standard functions, including Sequential and Non-Sequential operation.
- Six inch mounting hole centers.
- Small size - one inch high, less than one inch wide & 6.5 inches long.
- Rugged anodized aluminum case.
- Sealed electronics - no potting compound.
- High efficiency electronic switching circuit design - low heat loss.
- Design safeguards for over current, over temperature, short circuit and loss of ground.
- Sixteen amp lamp outputs.
- Three amp stop arm output.

EIGHT-LAMP SCHOOL BUS ELECTRONIC FLASHER/CONTROLLER



Part No. 628294

- Ultra compact size - 2.30" x 1.25" footprint and Amp Multilock connector makes it ideal for OEM applications, as well as a replacement for Amp Multilock based flashers currently on the market.
- Connector based wiring terminations - saves manufacturing time and reduces errors.
- Industry standard functions - compatible with existing bus designs.
- High efficient power switching design - very low heat loss.
- Standard functionality provides for both sequential & nonsequential operation, and will accommodate 4-lamp & 8-lamp warning light configurations.
- Each of the lamp outputs (two red and two amber) are rated at 16 amps. The output for the stop arm is rated at 3 amps.
- Provides safeguards for over current, over temperature, short circuit, and losss of ground. Advanced electronic circuity employs surface mount technology (SMT). It's metal case is made of rugged anodized aluminum.
- Utilizes the Tyco/Amp Multilock Series 070 connector system. The 12-pin header (containing male pins) is integral to the flasher case. The 12-pin connector plug (not supplied with the flasher) uses female pins.

MIRRORS

DOUBLE NICKEL® MIRROR REPLACEMENT PARTS

7" x 10" FLAT



PART NUMBER	GLASS DESCRIPTION
628206	Unheated Flat
ML5671	

— REPLACEMENT PARTS —

PART NUMBER		GLASS DESCRIPTION
628204	ML5617	Flat (glass only)

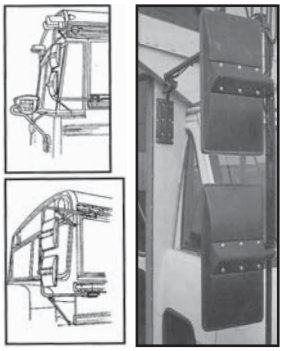
7" x 10" CONVEX



PART NUMBER	GLASS DESCRIPTION
628207	Unheated Convex
ML5672	

— REPLACEMENT PARTS —

PART NUMBER		GLASS DESCRIPTION
628205	ML5618	Convex (glass only)



WEST COAST MIRROR HEADS - 7" x 16"

- **Reflective surface 90 sq. inches.**
- **First surface chrome.**
- **With 5/16" mounted studs.**



PART NUMBER	FINISH
628110	Bright Stainless Steel
DBHR64	

- **Reflective surface 90 sq. inches.**
- **First surface chrome.**
- **With 3/8" mounted studs.**



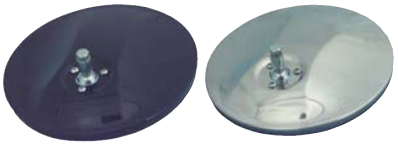
PART NUMBER	FINISH
628104	Hi-Gloss Black Enamel
DBHR42	
628105	Stainless Steel
DBHR44	

PART NUMBER	FINISH
628112	Black Heated
DBHRH42	

ROUND CONVEX MIRROR HEADS

7-1/2" Diameter

- **With 1/4" bolt.**
- **Off set mounted.**



PART NUMBER		FINISH
628100	DBHR13	Hi-Gloss Black Enamel
628102	DBHR15	Bright Stainless Steel

CONVEX MIRRORS

8" Diameter

- **With 3/8" mounting bolt.**

CENTER MOUNT



OFF CENTER MOUNT



PART NUMBER	MOUNT DESCRIPTION	FINISH
628202	ML5485 Center	Black Enamel
628203	ML5486 Off Center	w/Brushed Aluminum Trim

WEST COAST MIRROR HEADS

6-1/2" x 16"

- **1/8" silvered glass.**
- **5/16" plated hardware.**



PART NUMBER	FINISH
638336	Black Painted Steel

- **Ribbed, flat back design.**
- **Over 86 sq. in. of flat viewing area.**

6" x 16"

- **Anodized aluminum back.**
- **1/4-20 stud size.**



Part No. 638316

MISC. CONVEX MIRRORS

- **With 1/4" mounting bolt.**

CENTER MOUNT





OFF CENTER MOUNT

PART NUMBER		SIZE	MOUNT DESCRIPTION	FINISH
628602	97872	5	Center	Stainless Steel
628108	DBHR5	6	Center	Stainless Steel
628115	DBHR1115	8	Center	Stainless Steel

7-1/2" x 10-1/2"

- **PVC rim.**
- **Color: Black**



PART NUMBER	DESCRIPTION
638325	Flat Mirror Head
638326	Convex Mirror Head

G15

MIRRORS MISCELLANEOUS

BUS BOY® MIRROR HEAD

- Replacement for most all school bus & fleet applications.



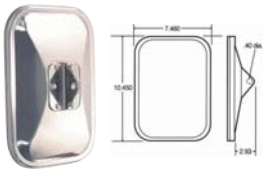
— Replacement Parts —

PART NUMBER	DESCRIPTION
628200	Rubber Gasket and Lens

PART NUMBER	DESCRIPTION
628201	Mirror Head Only

LARGE RECTANGULAR MIRROR HEADS for Tripod Assemblies

7-1/2" x 10-1/2"



- Glass is mounted in vinyl gasket.
- Features bright stainless steel finish.
- 7-1/2" x 10-1/2" mirror head uses center mount to attach to assembly.
- Silvered glass resists pitting, peeling & corrosion.

PART NUMBER	DESCRIPTION
628600	Large Rectangular Mirror

WIDE ANGLE FLAT & CONVEX MIRRORS



6-1/2" x 6" and 6-1/2" x 10" Side Mount Mirrors

— Replacement Parts —

PART NUMBER	DESCRIPTION
628146	Glass only
628145	Glass only

PART NUMBER		DESCRIPTION
628147	6-1/2 x 10	Flat mirror
628148	6-1/2 x 6	Convex mirror

- Replaceable 1/8" glass on all mirrors.
- Outer gasket for edge shock protection.
- 5/16"-18 mounting port.
- White painted steel.
- Viewing area on flat glass mirrors: Over 32 sq. in. on 6-1/2" x 6" models, over 55 sq. in. on 6-1/2" x 10 models.

MINI HAWK-EYE® CROSSVIEW MIRROR



- Complete field of view coverage for FMVSS-111 compliance.
- Full oval shape provides larger viewing area for driver.
- Universally adjustable ball stud allows for easy adjustment.
- Lower overall height minimizes obstruction.
- Aerodynamic system profile provides smoother airflow which reduces vibration.
- Contoured housing provides stability.
- Shallow mirror lens reduces image distortion.
- Small profile for reduced blindspot in small bus applications.
- Full oval gives driver perspective of vehicle within viewing area.

PART NUMBER		DESCRIPTION	SIZE
638367	3365H	Mirror head, with ball stud mount. (Heated)	12.5 x 9.8 Oval
638365	3365	Mirror head, with ball stud mount.	12.5 x 9.8 Oval
638362	2365	Mirror head, with ball stud mount.	12.5 x 10.8 Oval

G15

ARM & MOUNTING ONLY

For use with 1/4" sphere nut.



Picture for display purposes only.

PART NUMBER		FINISH
628106	DBHR465	Stainless

MISC. MIRROR BRACKET

- For use with 1/4" sphere nut.



PART NUMBER		FINISH
628113	475-12C	Stainless Steel

RETRAC MIRROR HEADS

6" x 16"

- With yellow chevrons.
- Finest quality non-glare glass.
- Lightweight for vibration-free performance.
- Head mounting hardware included.
- Corrosion-free.
- Universally fits all assemblies.



PART NUMBER	MOUNT DESCRIPTION		FINISH
628251	RT1158	Flange	Bright Anodized Alum. w/Yellow Chevrons

7" x 16"



- Navistar style mirror head.
- Head mounting hardware included.
- Finest quality non-glare glass.
- Universally fits all assemblies.

PART NUMBER	MOUNT DESCRIPTION		FINISH
628250	RT1156	Flange	White

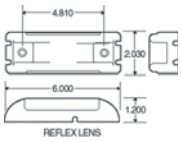
CLEARANCE & MARKER LIGHTING

21® SERIES - LED SEALED PC RATED - 1-8 Diode Pattern

- **Available with standard or reflectorized lens.**
- **P2 lamps has 3 diode pattern.**
- **PC rated lamps have 8 diode pattern.**
- **Reflex lamps have 1 diode (red) & 2 diode (yellow) pattern.**

MATERIAL:
- Polycarbonate or acrylic lens & housing.
- 16 gauge wire.

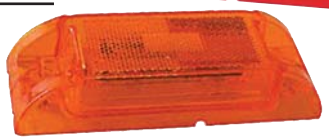
LIGHT SOURCE:
- Light emitting diodes (LEDs).
- 12v designed at 14v, 0.10 amp.



— LED P2 LAMPS W/REFLEX —

PART NUMBER		DESCRIPTION
628605	TL21251R	RED
628606	TL21251Y	YELLOW



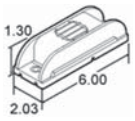






— LED PC RATED LAMPS —

PART NUMBER		DESCRIPTION
628607	TL21275R	RED
628608	TL21275Y	YELLOW

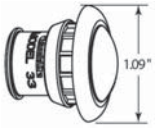


33® SERIES - LED 3/4" SEALED - 1 Diode Pattern

- **US patent #6612728**
- **World's smallest LED marker lamp for the transportation industry.**
- **Standard lamp exceeds P2 legal requirements, clearance/marker applications.**
- **Hardwired lamp with .180 male bullet design is easily retrofitted.**
- **LED's draw less current, allowing more power for other vehicle requirements.**
- **Electronic's completely sealed in epoxy to resist corrosion & moisture.**
- **Offers trailer new trailer & rear door structure design flexibility.**
- **Reduces lighting cost due to physical damage & heat entrapment.**

MATERIAL:
- Polycarbonate lens & housing.
- EPDM grommet.
- Nylon flange.
- 18 gauge wire.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- P2 designed at 14v, 0.05 amp.







— P2 RATED GROMMET KITS —

PART NUMBER		DESCRIPTION
628609	TL33050R	RED
628610	TL33050Y	YELLOW

15® SERIES - LED IDENTIFICATION BAR

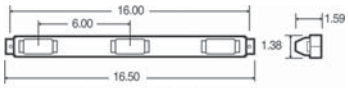
- **Designed to fit applications requiring minimal space.**
- **Electronics completely sealed in epoxy to resist corrosion & moisture.**
- **Less susceptible to shock & vibration.**
- **Direct pin-to-circuit board solders assure vibration resistant contacts.**
- **Features stainless steel bar with three LED Model 15 lamps on 6" centers.**
- **Sonically sealed lens & housing.**
- **Draws less current, allowing more power for other vehicle requirements.**

MATERIAL:
- Polycarbonate lens & housing.
- Stainless steel bar.
- 14 gauge wire.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- Designed at 14v, 0.05 amp.

FMVSS:
- P2





.218 screw hole diameter

PART NUMBER		DESCRIPTION
628615	TL15050R	RED

35® SERIES - LED IDENTIFICATION BAR

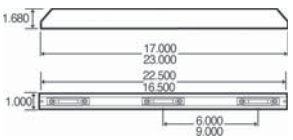
- **Designed to fit applications requiring minimal space.**
- **Draws less current, allowing more power for other vehicle requirements.**
- **Slim 1" width is perfect for upper rail mounting.**
- **Features extruded aluminum bar with three LED Model 35 lamps on 6" centers.**

MATERIAL:
- Polycarbonate lens & housing.
- Extruded aluminum bar.
- 16 gauge wire.

LIGHT SOURCE:
- Light emitting diodes (LEDs).

FMVSS:
- P2, P3





PART NUMBER		DESCRIPTION
628616	TL35740R	RED

G SECTION SERVICE ITEMS













G15-4A PIX **PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.**

CLEARANCE & MARKER LIGHTING

MODEL 30 PRODUCTS - LED 2" SEALED

- **Highest quality LED lighting products on the market from a brand you can trust.**
- **Standard lamp has 2 diode pattern.**
- **Less current draw, resulting in increased battery & alternator life while allowing more power for other vehicle requirements.**



MATERIAL:
- Polycarbonate lens, housing & flange.
- PVC grommet.
- 16 gauge wire.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- Designed at 14v, .03 amp (red), 2 cp. and .08 amp (yellow).

PART NUMBER		DESCRIPTION
628506	TL30250R	RED
628507	TL30250Y	YELLOW

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628357	TL30700	Grommet
628470	TL93745	Adapter Plug

MODEL 30 PRODUCTS - LED 2" SEALED PC RATED

- **Highest quality LED lighting products on the market from a brand you can trust.**
- **6 diode pattern.**
- **Most advanced & cost effective 2" clearance & marker lamp.**
- **SAE PC rated for combination clearance/marker applications.**
- **Less current draw, resulting in increased battery & alternator life while allowing more power for other vehicle requirements.**



MATERIAL:
- Polycarbonate lens, housing & flange.
- PVC grommet.
- 16 gauge wire.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- Designed at 14v, 1 amp.

PART NUMBER		DESCRIPTION
628508	TL30285R	RED
628509	TL30285Y	YELLOW

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628357	TL30700	Grommet
628470	TL93745	Adapter Plug

MODEL 30 LED 2" - REFLECTORIZED MARKER & CLEARANCE, 10 DIODE PATTERN

PART NUMBER		DESCRIPTION
628596	TL3050	RED
628597	TL3050A	YELLOW

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628357	TL30700	Grommet
628410	TL94902	Adapter Plug



MATERIAL:
- Polycarbonate lens, housing.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- Designed at 13.5v, .05 amp.

MODEL 10 PRODUCTS - MARKER & CLEARANCE 2-1/2" ROUND, 13 DIODE PATTERN

- **Popular on owner/operator & show trucks.**
- **Unique 13 diode starburst light output.**
- **Standard PL-10 connection.**
- **Encapsulated electronics prevent damage from moisture & corrosion.**



MATERIAL:
- Polycarbonate lens & housing.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- Designed at 13.5v, .110 amp.

FMVSS:
- P2, Reflectorized - A, P2

PART NUMBER		DESCRIPTION
628611	TL1050	RED
628612	TL1050A	YELLOW

MODEL 10 PRODUCTS - LED 2-1/2" SEALED

- **Highest quality LED lighting products on the market from a brand you can trust.**
- **Standard lamp has 2 diode pattern.**
- **Less current draw, resulting in increased battery & alternator life while allowing more power for other vehicle requirements.**



MATERIAL:
- Polycarbonate lens, housing & flange.
- PVC grommet.
- 16 gauge wire.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- Designed at 14v, .03 amp (red), 2 cp. and .08 amp (yellow).

PART NUMBER		DESCRIPTION
628437	TL10250R	RED
628438	TL10250Y	YELLOW

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628313	TL10700	Grommet
628470	TL93745	Adapter

MODEL 10 PRODUCTS - LED 2-1/2" SEALED PC RATED

- **Highest quality LED lighting products on the market from a brand you can trust.**
- **Standard lamp has 8 diode pattern.**
- **Most advanced & cost effective 2-1/2" clearance & marker lamp.**
- **SAE PC rated for combination clearance/marker applications.**
- **Electronics completely sealed in epoxy to resist corrosion & moisture.**



MATERIAL:
- Polycarbonate lens, housing & flange.
- PVC grommet.
- 16 gauge wire.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- Designed at 14v, 1 amp.

PART NUMBER		DESCRIPTION
628450	TL10275R	RED
628451	TL10275Y	YELLOW

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628313	TL10700	Grommet
628410	TL94902	Plug

MODEL 10 PRODUCTS - LED 2-1/2" SEALED PC RATED

- **Highest quality LED lighting products on the market from a brand you can trust.**
- **8 diode pattern.**
- **Most advanced & cost effective 2-1/2" clearance & marker lamp.**
- **SAE PC rated for combination clearance/marker applications.**
- **Less current draw, resulting in increased battery & alternator life while allowing more power for other vehicle requirements.**

MATERIAL:
- Polycarbonate lens, housing & flange.
- PVC grommet.
- 16 gauge wire.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- Designed at 14v, 1 amp.

PART NUMBER		DESCRIPTION
628452	TL10286R	RED
628453	TL10286Y	YELLOW

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628313	TL10700	Grommet
628410	TL94902	Plug



G15

THE SYMBOL OF SERVICE
SOSMETAL PRODUCTS INC.
AUTOMOTIVE & INDUSTRIAL

MODEL 35 PRODUCTS - LED SEALED



- **Slim 3/4" wide design makes lamp perfect solution for narrow rail designs.**
- **2 diode pattern.**
- **Must be mounted horizontally.**
- **Not suitable for PC requirements.**

— LED KITS —

PART NUMBER		DESCRIPTION
628445	TL35001R	**RED**, 12v
628446	TL35001Y	**YELLOW**, 12v

PART NUMBER		DESCRIPTION (LED LAMPS)
628460	TL35200R	**RED**, 12v
628461	TL35200Y	**YELLOW**, 12v

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628475	TL94862	Plug

MATERIAL:
- Polycarbonate lens & housing.
- 16 gauge wire.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- Designed at .05 amp.
- PC rated lamp designed at .12 amp.

MODEL 35 PRODUCTS - LED SEALED



- **Slim 3/4" wide design makes lamp perfect solution for narrow rail designs.**
- **5 diode pattern.**
- **Must be mounted horizontally.**
- **SAE PC rated for combination clearance/marker applications.**

MATERIAL:
- Polycarbonate lens & housing.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- Designed at 13.5v, .12 amp.

PART NUMBER		DESCRIPTION
628443	TL35375R	**RED**
628444	TL35375Y	**YELLOW**

MODEL 44 ROUND LED S/T/T T/T



- **24 diode pattern.**
- **Uses standard right angle plug.**
- **Unique LED array displays a fuil pattern light output design.**
- **Less current draw, resulting in increased battery & alternator life while allowing more power for other vehicle requirements.**

MATERIAL:
- Polycarbonate lens & housing.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- 12v lamp.
- Designed at 13.5v, .030/.380 amp.

PART NUMBER		DESCRIPTION
628503	TL4050	**RED**
628504	TL4050A	**YELLOW**

SUPER 44 PRODUCTS - STOP/TURN/TAIL LED 4" SEALED



- **Faster illumination offers significant safety benefit for allowing driver to react quicker, resulting in an average distance of 3' for every 10 m.p.h.**
- **6 diode pattern.**
- **Less current draw, resulting in increased battery & alternator life while allowing more power for other vehicle requirements.**
- **LEDs have no filament, therefore are extremely resistant to shock & vibration.**

PART NUMBER		DESCRIPTION
628463	TL44302R	**RED**, Lamp only
628465	TL44326R	**RED** & Black Flange

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628376		Grommet
628472	TL94706	Adapter

MATERIAL:
- Polycarbonate or acrylic lens, housing & flange.
- PVC grommet.
- 16 gauge wire.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- Designed at 14v, .03 amp

MODEL 60 PRODUCTS - STOP/TURN/TAIL or FRONT/PARK/TURN LED OVAL SEALED



- **Highest quality LED lighting products on the market from a brand you can trust.**
- **LEDs have no filament, therefore are not susceptible to shock & vibration, a major cause of failure for lamps with incandescent bulbs.**
- **Less current draw, resulting in increased battery & alternator life while allowing more power for other vehicle requirements.**
- **Faster illumination offers significant safety benefit for allowing driver to react quicker, resulting in an average distance of 3' for every 10 m.p.h.**
- **Meet stringent front, park and turn requirements.**

PART NUMBER		DESCRIPTION
628468	TL60250R	**RED**

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628397	TL60700	Grommet
628472	TL94706	Adapter

MATERIAL:
- Polycarbonate or acrylic lens & housing.
- ABS flange.
- PVC grommet.
- 16 gauge wire.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- Designed at 14v, .3 amp (stop), .1 amp (tail), .5 amp (turn).

MODEL 60 PRODUCTS - LED OVAL SEALED AUXILIARY/TURN



- **Auxiliary turn is a two function lamp & complies with SAE 592e & 2042 on both functions.**
- **Sequential arrow is to be used as an auxiliary lamp only.**
- **Not suitable for "stand alone" front or rear turn applications.**
- **Electronics completely sealed in epoxy to resist corrosion & moisture.**

PART NUMBER		DESCRIPTION
628467	TL60275Y	**YELLOW**

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628397	TL60700	Grommet
628472	TL94706	Adapter

MATERIAL:
- Polycarbonate lens & housing.
- ABS flange.
- PVC grommet.
- 16 gauge wire.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- 26 diode, 12v lamp designed at 14v, .42 amps (major), .10 amps (minor).
- 25 diode, 12v sequential arrow designed at 14v, .12 amps (major), .08 amps (minor).

S/T/T & REAR TURN LED - RECTANGULAR



- 24 diode pattern per side.
- Uses standard right angle PL-3 connection.
- Unique LED array displays full pattern light output.
- Epoxy encapsulated electronics.

MATERIAL:
- Acrylic lens, housing & flange.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- Designed at 13.5v, .03/.38 amp.

PART NUMBER		DESCRIPTION
628486	TL4550	**RED** Lamp
628487	TL4550A	**YELLOW** Lamp

C/M LED SEALED LAMP



- Standard PL-10 connection.
- 2 diode (red), 3 diode (yellow) LED pattern.
- Encapsulated electronics prevents damage from moisture & corrosion.
- Not suitable for PC requirements.

MATERIAL:
- Polycarbonate lens & housing.

LIGHT SOURCE:
- Light emitting diodes (LEDs).

PART NUMBER		DESCRIPTION
628477	TL1560	**RED** Lamp
628478	TL1560A	**YELLOW** Lamp

SERIES 21 C/M LED LAMP



- 8 diode pattern.
- Less susceptible to shock and vibration.

MATERIAL:
- Acrylic lens.

LIGHT SOURCE:
- Light emitting diodes (LEDs).

PART NUMBER		DESCRIPTION
628479	TL2150	**RED** Lamp
628480	TL2150A	**YELLOW** Lamp

RECTANGULAR LED - DOUBLE BULLSEYE LAMPS



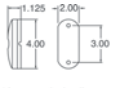
- 16 diode double bullseye pattern.
- Encapsulated electronics.
- Hard-wired design elimiates pin corrosion.

MATERIAL:
- Polycarbonate lens & housing.

LIGHT SOURCE:
- Designed at 13.5v, .080 amp.

PART NUMBER		DESCRIPTION
628481	TL2660	**RED** Lamp
628482	TL2660A	**YELLOW** Lamp

MODEL 12 PRODUCTS - TWO BULB PERMASTAT REPLACEABLE





- High impact Permastat housing protects against rust & corrosion.
- Snap-on lens for easy bulb & lens replacement.
- Lamp meets requirements with only one bulb.
- Shock/mount for maximum bulb life.
- Two buld design - if one burns out, the other remains lighted.
- Replaces Truck Lite 26302 series.
- Not suitable for PC requirements.

MATERIAL:
- Acrylic lens.
- Permastat housing.

LIGHT SOURCE:
- Bulbs Two #193

PART NUMBER		DESCRIPTION
628613	TL1211	**RED**
628614	TL1211A	**YELLOW**

MODEL 12 PRODUCTS - THE GUARDIAN DEFLECTOR MOUNT

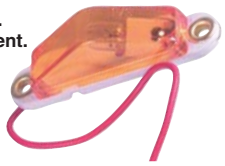


- Gray painted steel housing.
- Fully protected lens with high guard.
- Pressure pad tightly seals lens.
- Quick-click lamp removal.

MATERIAL:
- Polycarbonate lens & housing.
- Steel mount.
- Foam gasket.

PART NUMBER		DESCRIPTION
628434	TL1105	**RED**, steel shock/mount
628433	TL1105A	**YELLOW**, steel shock/mount

SLIMLINE BULB REPLACEABLE



- U-Haul / Stoughton trailer replacement lamp.
- Snap-on lens for easy bulb & lens replacement.
- Surface mounted, slim styling.
- Shock/mount for maximum bulb life.
- Permastat base will not rust.
- Replaces Truck Lite 26338 series.

MATERIAL:
- Polycarbonate lens & housing.
- 18 gauge wire.

LIGHT SOURCE:
- Bulb: #193

PART NUMBER		DESCRIPTION
628448	TL1520	**RED**
628449	TL1520A	**YELLOW**

MODEL 26 PRODUCTS - BULB REPLACEABLE



- Features snap-on lens for quick and easy bulb replacement.
- High impact plastic lens & housing.
- Not suitable for PC requirements.

MATERIAL:
- Polycarbonate lens.
- ABS housing.

LIGHT SOURCE:
- Bulb: Two #194 wedge base.

PART NUMBER		DESCRIPTION
628454	TL26312R	**RED**
628455	TL26312Y	**YELLOW**

SUPER 10 PRODUCTS - 2-1/2" SEALED



Sealed polycarbonate lens and housing offer superior impact and heat protection

- 24 month limited warranty.
- Unique shock-mount extends bulb life.
- Meets PC requirements on a 45° angle using all mounting devices.

MATERIAL:
- Sealed polycarbonate lens & housing.
- PVC grommet.
- 16 gauge wire.

LIGHT SOURCE:
- 15,000 hr. rated bulb life.
- Designed at 14v, .33 amp, 2 cp.

PART NUMBER		DESCRIPTION (LAMP ONLY)
628307	TL10208R	**RED**
628308	TL10208Y	**YELLOW**

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628313	TL10700	Grommet
628410	TL94902	Plug

G15

CLEARANCE & MARKER LIGHTING

MODEL 10 PRODUCTS - 2-1/2" SEALED



- Meets PC requirements on a 45° angle in mounting devices #10708 or #10720.

PART NUMBER		DESCRIPTION (LAMP ONLY)
628303	TL10202R	RED, 12v
628305	TL10205R	RED, 12v Reflectorized
628304	TL10202Y	YELLOW, 12v
628306	TL10205Y	YELLOW, 12v Reflectorized

MATERIAL:
- High impact sonically sealed polycarbonate lens & housing.
- PVC grommet.
- 16 gauge wire.

LIGHT SOURCE:
- 15,000 hr. rated 12v bulb life.
- 12v designed at 14v, .33 amp, 2 cp.

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628313	TL10700	Grommet
628410	TL94902	Plug

MODEL 14 PRODUCTS - RECTANGULAR SEALED



- Features snap-in lamp with reflector.
- Grommets flush mount the lamp to vehicle.
- Not suitable for PC requirements.

MATERIAL:
- Sonically sealed polycarbonate reflectorized lens & housing.
- PVC grommet.

LIGHT SOURCE:
- 15,000 hr. rated 12v bulb life.
- 12v designed at 14v, .33 amp, 2 cp.

PART NUMBER		DESCRIPTION (LAMP ONLY)
628321	TL14200R	RED, 12v
628322	TL14200Y	YELLOW, 12v

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628323	TL14701	Black Grommet

MODEL 15 PRODUCTS - RECTANGULAR SEALED



- Fits in most narrow header rails.
- Mounts vertically or horizontally.
- Snap-lock tabs allow quick & easy installation.
- Suitable for PC requirements on a 45° angle.

MATERIAL:
- Polycarbonate lens & housing.
- 16 gauge wire.

LIGHT SOURCE:
- 15,000 hr. rated 12v bulb life.
- 12v designed at 14v, .33 amp, 2 cp.

PART NUMBER		DESCRIPTION
628325	TL15200R	RED, 12v
628326	TL15200Y	YELLOW, 12v

MODEL 19 PRODUCTS - RECTANGULAR SEALED



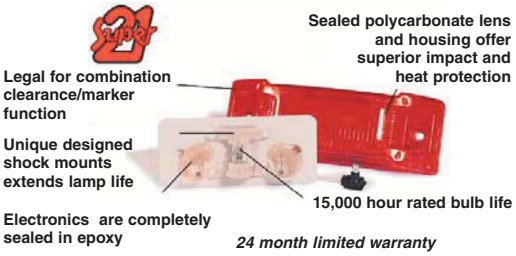
- Designed to fit in limited mounting areas.
- Fits in most narrow header rails.
- Can be mounted vertically or horizontally.
- Snap-lock tabs allow quick & easy installation.
- Suitable for PC requirements on 45° angle when using base mounts.

MATERIAL:
- Polycarbonate lens & housing.
- 16 gauge wire.

LIGHT SOURCE:
- Two 12v bulbs designed at 14v, .33 amp, 2 cp.

PART NUMBER		DESCRIPTION
628337	TL19200R	RED
628338	TL19200Y	YELLOW

SUPER 21 PRODUCTS - RECTANGULAR SEALED



- 24 month limited warranty.
- Version available for ABS requirements.
- Suitable for PC requirements on a 45° angle with additional reflectors.
- Optional gaskets available to improve seal between lamp & body.

MATERIAL:
- Sealed acrylic lens & ABS housing.
- 16 gauge wire.

LIGHT SOURCE:
- 12v designed at 14v, .33 amp, 2 cp.

PART NUMBER	DESCRIPTION
628345	RED, 12v Lamp
TL21201R	w/Reflector
628346	YELLOW, 12v Lamp
TL21201Y	w/Reflector

PART NUMBER		DESCRIPTION
628343	TL21200R	RED, 12v
628341	TL21002R	RED, 12v Reflectorized*
628344	TL21200Y	YELLOW, 12v
628342	TL21002Y	YELLOW, 12v Reflectorized*

*Lamps w/Hot Wire.

MODEL 30 PRODUCTS - 2" SEALED



- Lamp designed for PC requirements on a 45° angle in mounting devices, TL30720, surface mount flange.

MATERIAL:
- Polycarbonate lens & housing.
- 16 gauge wire.

LIGHT SOURCE:
- 15,000 hr. rated 12v bulb life.
- 12v designed at 14v, .33 amp, 2 cp.

PART NUMBER		DESCRIPTION
628349	TL30200R	RED, 12v
628350	TL30200Y	YELLOW, 12v

MODEL 30 PRODUCTS - 2" SEALED BEEHIVE



- Beehive lens designed for cab marker use.
- Lens & housing are sonically sealed.
- Suitable for PC requirements on a 45° angle.

MATERIAL:
- Hi impact polycarbonate lens & housing.

LIGHT SOURCE:
- 15,000 hour rated bulb.
- 12v designed at 14v, .33 amp, 2 cp.

PART NUMBER		DESCRIPTION
628351	TL30201R	RED
628364	TL30201Y	YELLOW

MODEL 10 & 30 PRODUCTS - METAL I.D. BAR

- **Features black enameled ID bar.**
- **Lamps are mounted on 6" centers.**



PART NUMBER		DESCRIPTION	SERIES
628319	TL10744R	**RED**, Kit w/6" Centers	10 Lamps, 2-1/2"
628365	TL30740R	**RED**, Kit w/6" Centers	30 Lamps, 2"

MATERIAL:
- Polycarbonate lens & housing.
- Black enameled metal bar.
- 14 gauge wire.

LIGHT SOURCE:
- 12v bulb, .33 amp, 2 cp.

— REPLACEMENT PARTS —

PART NUMBER		DESCRIPTION
628303	TL10202R	**RED**, Lamps
628349	TL30200R	**RED**, Lamps
628407	TL93906	Wiring Harness

MODEL 15 PRODUCTS - POLYCARBONATE ID BAR

- **Features high impact polycarbonate ID bar designed to fit in limited mounting areas.**
- **Lamps are mounted on 6" centers.**
- **Direct replacement for Ford.**
- **Fits most narrow header rails.**
- **Snap-lock tabs allow easy installation.**



PART NUMBER		DESCRIPTION
628333	TL15745R	**RED**, Kit

MATERIAL:
- Polycarbonate lens, housing & ID bar.
- 16 gauge wire.

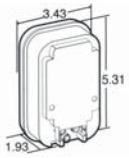
LIGHT SOURCE:
- 12v bulb, .33 amp, 2 cp.

— REPLACEMENT PARTS —

PART NUMBER		DESCRIPTION
628325	TL15200R	**RED**, 12v Lamps
628409	TL93945	Wiring Harness

MODEL 45 PRODUCTS - STOP/TURN/TAIL & FRONT/PARK/TURN

- **Mount horizontally or vertically.**
- **Heavy duty dual filament cartridge bulb.**
- **Unique shock mount absorbs shock & vibration.**





PART NUMBER		DESCRIPTION
628488	TL45202R	**RED**, Stop/Turn/Tail
628494	TL45204	**RED** with Reflector with back-up

MATERIAL:
- Polycarbonate lens, housing.
- PVC grommet.
- 16 gauge wire.

LIGHT SOURCE:
- Dual filament bulb.
- Designed at 13.5v, 2.16/.47 amp.

— REPLACEMENT PARTS —

PART NUMBER		DESCRIPTION
628499	TL45700	Grommet
628416	TL94993	Pigtail

MODEL 40 S/T/T & F/P/T PRODUCTS - 4" SEALED

- **24 month limited warranty.**
- **Flush mount grommets are designed for mounting in a 4-1/2" hole.**



MATERIAL:
- Polycarbonate lens & housing.
- ABS flange.
- PVC grommet.
- 16 gauge wire.

LIGHT SOURCE:
- Heavy-duty dual filament bulb.
- Designed at 12v, 2.1/.48 amp, 32/2 cp.

PART NUMBER		DESCRIPTION (LAMP ONLY)
628367	TL40202R	**RED**, S/T/T
628368	TL40202Y	**YELLOW**, F/P/T
628370	TL40002R	**RED**, Kit

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628376	TL40700	Grommet
628416	TL94993	Right Angle Plug

SUPER 40 S/T/T & F/P/T PRODUCTS - 4" SEALED

- **36 month limited warranty.**
- **DiamondShell™ versions available for additional protection.**
- **Flush mount grommets are designed for mounting in a 4-1/2" hole.**



MATERIAL:
- Polycarbonate lens & housing.
- ABS flange.
- PVC grommet.
- 16 gauge wire.

LIGHT SOURCE:
- Heavy duty dual filament cartridge bulb.
- Designed at 13.5v, 2.16/.47 amp.

PART NUMBER		DESCRIPTION (LAMP ONLY)
628371	TL40242R	**RED**, S/T/T
628375	TL40248R	**RED**, S/T/T Reflectorized
628372	TL40242Y	**YELLOW**, F/P/T

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628376	TL40700	Grommet
628416	TL94993	Right Angle Plug

SUPER 60 S/T/T & F/P/T PRODUCTS - OVAL SEALED

- **24 month limited warranty.**
- **Mounts horizontally or vertically.**



PART NUMBER		DESCRIPTION (LAMP ONLY)
628393	TL60202R	**RED**, 12v
628394	TL60202Y	**YELLOW**, 12v

MATERIAL:
- Polycarbonate lens & housing.
- PVC grommet.
- 6 gauge wire.

LIGHT SOURCE:
- 12v designed at 12.8v, 2.1/.48 amp, 32/2 cp.

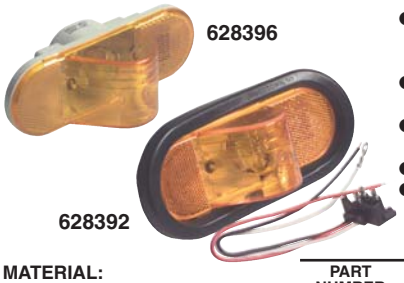
— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628397	TL60700	Grommet
628416	TL94993	Right Angle Plug

G15

UNIVERSAL SIGNAL, LICENSE & BACK-UP and INTEGRAL STROBE LIGHTING

MODEL 60 SIDE TURN PRODUCTS - 6" SEALED



- **Features side indicator, marker/clearance & reflector functions.**
- **Uses standard mounting holes & accessories.**
- **Heavy-duty shock-mounted bulb.**
- **Narrow width facilitates.**
- **Meets SAE J2039 recommendation for side turn signal.**

MATERIAL:
- Vibration sealed polycarbonate lens & housing.
- PVC grommet.
- 16 gauge wire.

LIGHT SOURCE:
- Dual filament baseless bulb.
- 12v designed at 12.8v, .2.1/.49 amp, 32/2 cp.

PART NUMBER		DESCRIPTION (LAMP ONLY)
628396	TL60215Y	**YELLOW**
628392	TL60015Y	**YELLOW**, Kit

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628397	TL60700	Grommet

MODEL 40 PRODUCTS - 4" SEALED



- **24 month limited warranty.**
- **Bulb is shock mounted for extended life.**
- **Legal only for back-up function.**
- **Not recommended for dome lamp use.**

MATERIAL:
- Vibration sealed polycarbonate lens & housing.
- ABS flange.

LIGHT SOURCE:
- Designed at 12.8v bulb, 2.1 amp, 32 cp.

PART NUMBER		DESCRIPTION
628369	TL40204	**CLEAR**, 12v Lamp

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628376	TL40700	Grommet

SUPER 44® LED INTEGRAL STROBE 42 DIODE PATTERN





MATERIAL:
- Polycarbonate lens, housing & flange.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- Designed at 13.5v.

- **External power pack not required.**
- **Metalized reflector version offers more intense focused light.**
- **Dual or quad flashing patterns.**
- **Meets recommended SAE J1318 & J845 photometric specifications.**
- **Synchronized alternating feature.**
- **Lamp life rated at 100,000 hours.**
- **Resistance to shock & vibration.**
- **Fit 'N Forget® adapter plug provides corrosion & moisture resistance.**

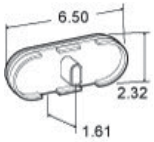
PART NUMBER		DESCRIPTION (LAMP ONLY)
628592	TL44212R	**RED** w/Metalized Reflector
628593	TL44212Y	**YELLOW** w/Metalized Reflector

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628376	TL40700	Grommet
628591	TL95220	Plug

SUPER 60® LED INTEGRAL STROBE 36 DIODE PATTERN





MATERIAL:
- Polycarbonate lens, housing & flange.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- Designed at 13.5v.

- **External power pack not required.**
- **Metalized reflector version offers more intense focused light.**
- **Dual or quad flashing patterns.**
- **Meets recommended SAE J1318 & J845 photometric specifications.**
- **Synchronized alternating feature.**
- **Lamp life rated at 100,000 hours.**
- **Resistance to shock & vibration.**
- **Fit 'N Forget® adapter plug provides corrosion & moisture resistance.**

PART NUMBER		DESCRIPTION (LAMP ONLY)
628594	TL60362R	**RED** w/Metalized Reflector
628595	TL60362Y	**YELLOW** w/Metalized Reflector

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628397	TL60700	Grommet
628591	TL95220	Plug

3510 SERIES SAE CLASS I SURFACE LED LIGHT HEADS

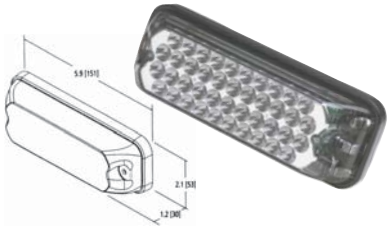


MATERIAL:
- UV stabilized polycarbonate lens & pre-wired 9' cable

LIGHT SOURCE:
- (24) 1-watt light emitting diodes (LEDs).
- 16 flash patterns.

- **1.5" H x 3.67" W x 0.5" D.**
- **12-24 volt / 0.75 amp.**
- **Colorless when not illuminated.**
- **Synchronizable capable.**
- **Warranty: 5 year.**
- **Temperature range: -22°F to +122°F (-30°C TO +50°C)**
- **SAE J595 Class I.**

3811 SERIES SAE CLASS I SURFACE LED LIGHT HEADS



MATERIAL:
- Tough, clear polycarbonate housing with urethane encapsulated electronics.

LIGHT SOURCE:
- High output 75 FPM quad flash operation.
- Discrete units are colorless when not illuminated.
- 2" x 6".

- **3811 Series directional LED's comprise 42 individual 1/4 watt LED's with individual reflectors to provide truly outstanding light output in a very cost effective package.**
- **These quad flash LED light heads offer fit 'N forget, maintenance free operation and low amp draw.**
- **LED's offer a long, maintenance free service life.**
- **Warranty: 5 year.**
- **Temperature range: -22°F to +122°F (-30°C TO +50°C)**
- **SAE J845 Class I.**
- **CE, e.**

PART NUMBER		DESCRIPTION (LAMP ONLY)
628296	3811A	**AMBER** quad flash LED directional light head

LICENSE & BACK-UP LIGHTING

SUPER 40 PRODUCTS - 4" SEALED

- **36 month limited warranty.**
- **Flange & flush mount grommets designed for mounting in a 4-1/2" hole.**
- **Two lamps required to meet Federal Lighting Regulations.**
- **Not recommended for dome lamp use.**



PART NUMBER		DESCRIPTION
628373	TL40244	**CLEAR**
628505	TL40238	1/2 Silvered

MATERIAL:
- Polycarbonate lens & housing.

LIGHT SOURCE:
- Designed at 13.5v bulb, 2.1 amp, 32 cp.

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628376	TL40700	Grommet

LED BACK-UP 4" ROUND SEALED

- **24 diode pattern.**
- **Uses standard right angle plug, Part No. 628416.**
- **Epoxy encapsulated electronics.**
- **Less current draw, resulting in increased battery & alternator life while allowing more power for other vehicle requirements.**



MATERIAL:
- Polycarbonate lens & housing

LIGHT SOURCE:
- Light Emitting Diodes (Leds) 12v lamp designed at 13.5v, .249 amp

PART NUMBER		DESCRIPTION
628502	TL4060C	**CLEAR**

MODEL 60 PRODUCTS - OVAL SEALED

- **Heavy-duty shock-mounted bulb.**
- **Two lamps required to meet Federal Lighting Regulations.**
- **Legal mounted vertically or horizontally.**
- **Not recommended for dome lamp use.**



PART NUMBER		DESCRIPTION
628395	TL60204	**CLEAR**

MATERIAL:
- High impact, vibration sealed polycarbonate lens & housing.

LIGHT SOURCE:
- Designed at 12.8v bulb, 2.1 amp, 32 cp.

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628397	TL60700	Grommet

MODEL 26 PRODUCTS - BULB REPLACEABLE

- **Extra rugged cadmium-plated steel housing.**
- **Screw lock cover cams on/off for easy bulb replacement.**



MATERIAL:
- Steel housing.

LIGHT SOURCE:
- **Bulb:** #67 designed at 13.5v, .59 amp, 4 cp.

PART NUMBER		DESCRIPTION
628347	TL26330	**CLEAR**

MODEL 15 PRODUCTS - RECTANGULAR SEALED

- **High impact polycarbonate sonically sealed lens & housing.**
- **Features 15,000 hour long life 12v bulb.**



MATERIAL:
- Polycarbonate lens & housing.

LIGHT SOURCE:
- 12v designed at 14v, .33 amp, 2 cp.

PART NUMBER		DESCRIPTION
628327	TL15208	**CLEAR**, 12v
628496	TL15011	Kit w/Light & Bracket,12v

MODEL 15 PRODUCTS - MOUNTING BRACKET

- **Features snap-fit mount for quick installation & easy replacement.**
- **Bracket may be surface mounted.**
- **Optional mounting gasket improves seal between lamp & body.**



MATERIAL:
- High impact polycarbonate bracket.

PART NUMBER		DESCRIPTION
628332	TL15729	**GRAY**, Bracket

MODEL 17 PRODUCTS - TRIANGULAR SEALED

MATERIAL:
- Polycarbonate lens & housing.

LIGHT SOURCE:
- Designed at 14v, .35 amp, 3 cp.



- **High impact polycarbonate sonically sealed lens & housing.**
- **Designed to mount with bracket, TL17720.**

PART NUMBER		DESCRIPTION
628334	TL17002	Kit w/Straight Hot Wire

MODEL 19 PRODUCTS - RECTANGULAR SEALED

- **High impact polycarbonate sonically sealed lens & housing.**
- **Long life 15,000 hour bulb.**



MATERIAL:
- Polycarbonate lens & housing.

LIGHT SOURCE:
- Two bulbs designed at 14v, .33 amp, 2 cp each.

PART NUMBER		DESCRIPTION
628336	TL19206	**CLEAR**

MODEL 26 PRODUCTS - BULB REPLACEABLE

- **Features chrome plated brass housing.**
- **Snap-fit design uses standard 1-1/4" dia. hole.**
- **Commonly used to illuminate a license plate on step bumpers.**
- **Two units required for license illumination.**
- **Ideal for courtesy, map, instrument, license or step lighting.**
- **Snaps securely into any panel thickness.**



MATERIAL:
- Brass housing.

LIGHT SOURCE:
- Bulb: #67 designed at 13.5v, .59 amp, 4 cp.

PART NUMBER	
628491	TL26331

MODEL 80 DOME



- **Epoxy-powder coated steel housing.**

MATERIAL:
- Steel housing.
- Polycarbonate lens.
- 18 gauge wire.

LIGHT SOURCE:
- Bulb: #1156.
- Designed at 12.8v, 2.1 amp, 32 cp.

PART NUMBER		DESCRIPTION
628400	TL80350	Chrome w/switch

MODEL 15 UTILITY - RECTANGULAR SEALED



- **High impact polycarbonate lens & housing.**

MATERIAL:
- Sonically sealed polycarbonate lens & housing.

LIGHT SOURCE:
- 15,000 hr. rated 12v bulb life.
- Designed at 14v, .33 amp, 2 cp.

PART NUMBER		DESCRIPTION
628324	TL15200C	**CLEAR**, 12v

MODEL 19 UTILITY - RECTANGULAR SEALED



- **High impact polycarbonate lens & housing.**

MATERIAL:
- Sonically sealed polycarbonate lens & housing.

LIGHT SOURCE:
- 15,000 hr. rated 12v bulb life.
- Two bulbs designed at 14v, .33 amp, 2 cp each.

PART NUMBER		DESCRIPTION
628335	TL19200C	**CLEAR**

MODEL 15 PRODUCTS - LED SEALED LICENSE & UTILITY



US Patent #5934798

- **Meets SAE J587 & European ECE regulations 4.**
- **6 diode pattern.**
- **License applications must use brackets shown below.**
- **Hard-wired design w/adapter plug for quick changeover without rewiring.**

MATERIAL:
- Polycarbonate or acrylic lens, housing & flange.

LIGHT SOURCE:
- Light emitting diodes (LEDs).
- 12v designed at 13.5v, .05 amp.

PART NUMBER		DESCRIPTION
628436	TL15205	**Clear**, 12v

— OPTIONAL PARTS —

PART NUMBER		DESCRIPTION
628332	TL15729	Bracket

3" REFLECTORS



- **TL98005Y has adhesive backing for ease of installation.**

MATERIAL:
- Sealed acrylic lens & housing.

PART NUMBER		DESCRIPTION
628430	TL98005Y	**YELLOW**, Adhesive Backing

TRIANGULAR REFLECTOR KIT



- **With three collapsible 17" reflectors.**
- **Features high impact weighted plastic base.**
- **Includes reusable storage container measures 18-1/2" L x 5" W x 4-1/2" H.**

PART NUMBER		DESCRIPTION
628425	TL97974	Reflector Kit

COMPACT RECTANGULAR REFLECTORS



- **Mounts with adhesive backing or screws.**

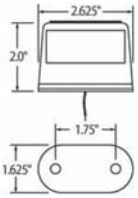
MATERIAL:
- Acrylic lens.
- Adhesive backing.
- 4.37 x 1.30.

PART NUMBER		DESCRIPTION
628426	TL98003R	**RED**
628427	TL98003Y	**YELLOW**

MODEL 26 PRODUCTS - LICENSE LIGHT



- **Features high impact housing with streamline design.**
- **Mounts on 1-3/4" hole centers.**



MATERIAL:
- Polycarbonate lens.
- ABS housing.

LIGHT SOURCE:
- Bulb: #67 designed at 13.5v, .59 amp, 4 cp.

PART NUMBER		DESCRIPTION
628497	TL26335	License Light

MOUNTING ACCESSORIES

GROMMET MOUNTS - FOR 2-1/2' LAMPS

- Flush mounts 2-1/2" diameter lamps.
- Wide groove for panel thickness up to .250".
- Suitable for PC requirements on a 45° angle when using LED combination or Super 10 products.



PART NUMBER		DESCRIPTION
628310	TL10401	Open Back, Kit

— REPLACEMENT PARTS —

PART NUMBER		DESCRIPTION
628313	TL10700	Grommet
628410	TL94902	Plug

MATERIAL:
- PVC grommet.
- 16 gauge wire.

DIAPHRAGM GROMMET

- Designed for edge lighting.
- Suitable for PC requirements on a 45° angle.



PART NUMBER		DESCRIPTION
628315	TL10708	Grommet

MATERIAL:
- Rubber grommet.
- 16 gauge wire.

3" GROMMET MOUNTS

- Designed for recess mounting.
- Adapts to surface thickness up to .125".
- Suitable for PC requirements on a 45° angle when using LED combination or Super 10 lamps.



PART NUMBER		DESCRIPTION
628311	TL10404	Grommet, Kit

— REPLACEMENT PARTS —

PART NUMBER		DESCRIPTION
628314	TL10704	Grommet
628410	TL94902	Plug

MATERIAL:
- PVC grommet.
- 16 gauge wire.

BRANCH DEFLECTOR MOUNTS - FOR 2-1/2" LAMPS

- High impact plastic deflector mount.
- Design allows surface mounting of 2-1/2" lamps.
- Suitable for PC requirements on a 45° angle when using LED combination or Super 10 lamps.



PART NUMBER		DESCRIPTION
628312	TL10414	Gray Mount, Kit

— REPLACEMENT PARTS —

PART NUMBER		DESCRIPTION
628357	TL30700	Grommet
628410	TL94902	Plug

MATERIAL:
- Polycarbonate mount.
- PVC grommet.
- 16 gauge wire.

MODEL 15 PRODUCTS - DEFLECTOR MOUNTS

- High impact plastic construction.
- Easy snap-on lamp installation.
- Standard 1" mounting holes.
- Permanently affixed hot & ground contacts.
- Suitable for PC requirements on a 45° angle with incandescent lamps.



PART NUMBER		DESCRIPTION
628328	TL15401	Mount, Kit

— REPLACEMENT PARTS —

PART NUMBER		DESCRIPTION
628420	TL96904	Hot Wire

MATERIAL:
- ABS mount.
- 16 gauge wire.

MODEL 15 PRODUCTS - ADAPTER MOUNTS

- Stylish design for contemporary look.
- Sure contact, self-grounding feature.
- Suitable for PC requirements on a 45° angle with incandescent lamps.



PART NUMBER		DESCRIPTION
628329	TL15404	Gray, Kit

— REPLACEMENT PARTS —

PART NUMBER		DESCRIPTION
628300	TL00790	Gray Mount

MATERIAL:
- ABS mount.
- 16 gauge wire.

MODEL 19 PRODUCTS - BASE MOUNTS

- Features unique plug-in design for ease of installation.
- Low profile extra strength base.
- Suitable for PC requirements on a 45° angle.



PART NUMBER		DESCRIPTION
628340	TL19721	Gray Mount & Hot Wire

MATERIAL:
- Gray polycarbonate.

MODEL 30 PRODUCTS - MOUNTING BRACKET

- Black epoxy painted heavy steel.
- Used for mounting Model 30 grommets.



PART NUMBER		DESCRIPTION
628363	TL30728	Bracket

MATERIAL:
- Heavy gauge steel.

G15

MOUNTING ACCESSORIES

GROMMET MOUNTS - FOR 2” LAMPS



- Flush mounts 2” diameter lamps.
- Wide groove for panel thickness up to .250”.
- Suitable for PC requirements on a 45° angle when using LED or standard combination lamps.

PART NUMBER		DESCRIPTION
628353	TL30401	Open Back, Kit

— REPLACEMENT PARTS —

PART NUMBER		DESCRIPTION
628357	TL30700	Grommet
628410	TL94902	Plug

MATERIAL:
- PVC grommet.
- 16 gauge wire.

DEFLECTOR MOUNTING GROMMET - FOR 2” LAMPS



- Allows quick & easy surface mounting of 2” diameter lamps.
- Not recommended for LED applications.

PART NUMBER		DESCRIPTION
628358	TL30701	Grommet

MATERIAL:
- PVC grommet.

MOUNTING GROMMETS - FOR 4”LAMPS



- Flush mount 4’ diameter lamps in a 4-1/2” hole.
- Designed to provide additional shock absorbency to extend lamp life.

PART NUMBER		DESCRIPTION
628376	TL40700	Black

RECOMMENDED HOLE SIZES for Accepting The TL40700 Grommet

PLATE THICKNESS	HOLE SIZE	PLATE THICKNESS	HOLE SIZE
1/16”	4.47”	1/4”	4.53”
1/8”	4.50”	3/8”	4.56”
3/16”	4.50”		

MATERIAL:
- PVC grommet.

STEEL MOUNTING BRACKETS - FOR 4” LAMPS



628377



628374

- Features black painted reinforced steel.
- Designed with 4-1/2” hole for mounting 4’ lamps.

PART NUMBER		DESCRIPTION
628377	TL40720	Flange
628374	TL40715	Double Flange

MATERIAL:
- Painted steel.

MODEL 60 PRODUCTS - GROMMET



- Flush mount 60 series lamps.
- Provides lamps with additional shock absorbency to extend lamp life.

MATERIAL:
- PVC grommet.

PART NUMBER		DESCRIPTION
628397	TL60700	Grommet

MODEL 60 PRODUCTS - MOUNTING BRACKET



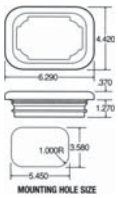
- Features epoxy black painted steel.
- Designed for 60 series products with grommet & flange mounts.

MATERIAL:
- Stainless steel.

PART NUMBER		DESCRIPTION
628398	TL60720	Mount, Steel w/Flange

MODEL 45 PRODUCTS - GROMMET MOUNT





- Designed for flush mounting 45 series lamps.
- Standard grommet mounts in plate thickness of 1/8” to 3/8”.

MATERIAL:
- PVC grommet.
- Thermal plastic rubber (TPR).

PART NUMBER		DESCRIPTION
628499	TL45700	Grommet

SOCKETS & PLUGS

IDENTIFICATION HARNESS

- For use with incandescent lamp identification bar.
- 16 gauge GPT wire.
- Tin plated brass terminals.



PART NUMBER		FUNCTION	LENGTH	TERMINATION	WIRE COLOR
628407	TL93906	1 Ground	22.5”	#10 Ring Terminal	White
	(6” ctr.)	2 M/C	26”	11/32” Wire Strip	Black
628408	TL93908	1 Ground	28”	#10 Ring Terminal	White
	(9” ctr.)	2 M/C	32”	11/32” Wire Strip	Black

MARKER CLEARANCE PLUGS

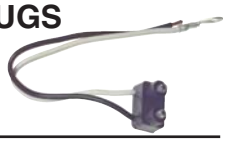
- For use in space limited areas.
- 16 gauge GPT wire.
- Tin plated brass terminals.



PART NUMBER		FUNCTION	LENGTH	TERMINATION	WIRE COLOR
628410	TL94902	1 Ground	7”	#6 Ground Terminal	White
		2 M/C	6.5”	6/32” Wire Strip	Black

RIGHT ANGLE MARKER CLEARANCE PLUGS

- Right angle design for use in space limited areas.
- 16 gauge GPT wire.
- Tin plated brass terminals.



PART NUMBER		FUNCTION	LENGTH	TERMINATION	WIRE COLOR
628412	TL94924	1 Ground	6.5”	#10 Ring Terminal	White
		2 M/C	6.5”	6/32” Wire Strip	Black
628498	TL94964	1 Ground	6”	#10 Ring Terminal	White
		2 M/C	6”	.180 Molded Bullet	Black

STOP, TURN and TAIL PLUGS

- For use with double contact sealed incandescent lamps.
- 16 gauge GPT wire.
- Tin plated brass terminals.



PART NUMBER		FUNCTION	LENGTH	TERMINATION	WIRE COLOR
628413	TL94926	1 Ground	11”	#10 Ring Terminal	White
		2 Tail	11”	6/32” Wire Strip	Black
		3 Stop/Turn	11”	6/32” Wire Strip	Red

RIGHT ANGLE STOP, TURN and TAIL PLUGS

- For use with double contact sealed incandescent lamps.
- 16 gauge GPT wire.
- Tin plated brass terminals.



PART NUMBER		FUNCTION	LENGTH	TERMINATION	WIRE COLOR
628416	TL94993	1 Ground	11”	#10 Ring Terminal	White
		2 Tail	11”	6/32” Wire Strip	Black
		3 Stop/Turn	10-3/4”	6/32” Wire Strip	Red

RIGHT ANGLE STOP and TURN PLUGS

- For use with single contact sealed incandescent stop/turn lamps.
- 16 gauge GPT wire.
- Tin plated brass terminals.



PART NUMBER		FUNCTION	LENGTH	TERMINATION	WIRE COLOR
628415	TL94992	1 Ground	10-1/2”	#10 Ring Terminal	White
		2 Stop/Turn	10-1/4”	6/32” Wire Strip	Red

LED FIT ‘N FORGET® MARKER CLEARANCE PLUGS

- Keeps water, salt & other corrosives from LED lamps.
- Combine with LED lamps for Lifetime Lighting Warranty eligibility.
- 16 gauge GPT wire; tin plated brass bullets/receptacles.



PART NUMBER		FUNCTION	LENGTH	TERMINATION	WIRE COLOR
628475	TL94862	1 Ground	4.5”	#6 Ring Terminal	White
		2 M/C	5”	.180 molded bullet	Black

LED FIT ‘N FORGET® MARKER CLEARANCE ADAPTER PLUG

- Keeps water, salt & other corrosives from LED lamps.
- Combine with LED lamps for Lifetime Lighting Warranty eligibility.
- Used to adapt LED lamps to conventional plug harness systems.
- 16 gauge GPT wire; tin plated brass bullets/receptacles.



PART NUMBER		FUNCTION	LENGTH	WIRE COLOR
628470	TL93745	1 Ground	4”	White
		2 M/C	4”	Black

LED FIT ‘N FORGET® STOP/TURN/TAIL ADAPTER PLUGS

- Keeps water, salt & other corrosives from LED lamps.
- Combine with LED lamps for Lifetime Lighting Warranty eligibility.
- 16 gauge GPT wire; tin plated brass bullets/receptacles.



PART NUMBER		FUNCTION	LENGTH	WIRE COLOR
628472	TL94706	1 Ground	8”	White
		2 tail	8”	Black
		3 Stop/Turn	8”	Red

LED FIT ‘N FORGET® STOP/TURN ADAPTER

- Keeps water, salt & other corrosives from LED lamps.
- Combine with LED lamps for Lifetime Lighting Warranty eligibility.
- Used to adapt LED lamps to conventional plug harness systems.
- 16 gauge GPT wire; tin plated brass bullets/receptacles.



PART NUMBER		FUNCTION	LENGTH	WIRE COLOR
628474	TL94789	1 Ground	8”	White
		2 Stop/Turn	8”	Red

G15

NYK CORROSION PREVENTIVE COMPOUND

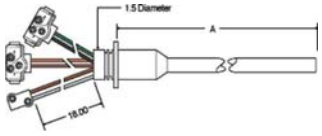
Damage from external corrosives is among the leading causes of lamp and harness failure. Using this corrosion preventive compound, along with proper insulation, minimizes these occurrences.



Part No. 628490

- Specially formulated non-conductive sealant.
- Corrosion preventative for all types of electrical contacts, switches and junction boxes.
- Seals out dirt and moisture.
- 5 fl. oz. tube.

SERIES 50 - STOP, TURN, TAIL and SIDE MARKER HARNESS



PART NUMBER		DESCRIPTION	DIM.
628378	TL50208	R.H. S/T/T & Side Marker Harness	96"
628379	TL50209	L.H. S/T/T & Side Marker Harness	96"

SERIES 50 - HARDWARE KITS & REPLACEMENT PARTS

Junction Box & Components



- Fill pre-tapped holes in junction box when compression fittings are not used.

PART NUMBER		DESCRIPTION
628384	TL50830	Filler Plug

PART NUMBER		DESCRIPTION
628380	TL50400	Complete Unit

SERIES 50 - COMPRESSION FITTINGS

- For 2 conductor cable.



PART NUMBER		DESCRIPTION
628385	TL50840	3/8" I.D. Fitting

- For 4 & 5 conductor cable.



PART NUMBER		DESCRIPTION
628386	TL50841	1/2" I.D. Fitting

- For 6 & 7 conductor cable.



PART NUMBER		DESCRIPTION
628387	TL50842	3/4" I.D. Fitting

A 3-part fitting consisting of a pre-tapped cap, a threaded base & a black PVC grommet that is available with 6 different hole sizes to accommodate various conductor cables.

- For 3 conductor flat cable.



PART NUMBER		DESCRIPTION
628390	TL50846	Fitting



DOCUMENT HOLDER

- Designed for ease of installation.
- Convenient insertion & removal of documents.
- Retaining spring staked to base for strength & durability.
- Smoked polycarbonate cover includes a permanently adhered gasket.
- Moisture resistant.



MATERIAL:
- ANS plastic mount.
- Polycarbonate cover.

PART NUMBER		DESCRIPTION
628423	TL97960	Document Holder, Kit

— REPLACEMENT PARTS —

PART NUMBER		DESCRIPTION
628424	TL97962	Smoked Cover w/Gasket

DOCUMENT HOLDER

- New opaque gray cover protects documents from deteriorating.
- Designed for ease of installation.
- Convenient insertion & removal of documents.
- Retaining spring staked to base for strength & durability.
- Rubber gasket ensures moisture resistance.



PART NUMBER		DESCRIPTION
628456	TL97799	Document Holder, Kit

— REPLACEMENT PARTS —

PART NUMBER		DESCRIPTION
628457	TL97798	Solid Cover w/Gasket

BETTS CERTIFICATE HOLDER

- This paper safe features poly-carbonate shallow smoked lens with a stainless steel retainer spring.
- Mounting screws included.
- Surface mount.



PART NUMBER		DESCRIPTION
628812	820012	Valex body with spring

JUNCTION BOX

- Universal - 7 position.
- High impact plastic.
- Non-corrosive.



Part No. 638121

VAL-U® TRUCK LIGHTS

4" LEXAN® SEALED LAMPS

STOP • TURN • TAIL

- Shock Safe construction.
- Hermetic lens-to-housing seal.
- Corrosion proof, grease filled terminals (3 pin).
- Extended life, double contact bulb.
- Accepts standard three prong and right angle OEM plugs.



PART NUMBER	LENS COLOR	LAMP ONLY	KIT*	INTERCHANGES WITH
638405	RED	●		Grote 52672, Truck Lite 40202R

*KIT INCLUDES GROMMET and PLUG

OVAL SEALED COMBINATION LAMP

STOP • TURN • TAIL

- Grease-filled plug-in, female terminals (3 pin).
- Shock Safe construction.
- Hermetic Lexan® lens-to-housing seal.
- Extended life, double contact bulb.
- Legal for horizontal or vertical mount.



Part No. 638415
COLOR: RED
Interchanges with:Grote 52892, Truck Lite 60202

2-1/2" SEALED LAMPS

CLEARANCE • MARKER

- Fits all popular grommet mounts.
- Hermetic lens-to-housing seal.
- Grease-filled plug-in, female terminals (2 pin).
- 15,000 hour bulb rating.

TWIST-ON FEATURE



SEALED LAMP
Part No. 638410
COLOR: RED



Part No. 638411
COLOR: AMBER
Interchanges with:
Grote 45812/3, Truck Lite 10202



with REFLECTOR LENS
Part No. 638412
COLOR: RED



Part No. 638413
COLOR: AMBER
Interchanges with:
Grote 45832/3, Truck Lite 10205



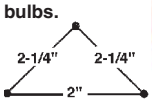
UNIVERSAL REPLACEMENT LAMP

STOP • TURN • TAIL

- Three wire rear pigtail connection.
- Lenses features dual optics.
- Three stud mounting: 1/4" – 20 x 7/8"L.
- Includes 1157 and 1156 bulbs.







Part No. 638470
COLOR: RED
Replaces:
Peterbilt 16-02600 R & L,
Chevrolet 370867 & 8
Jeep SF5457197 & 8

Interchanges with: Grote 50972

— REPLACEMENT LENS —

PART NUMBER	DESCRIPTION
638249	RED, Lens

RUBBER TRACTOR & UTILITY LAMP

- Shock Safe, weather-proof body.
- Contains #4411 (12V) PAR-36 bulb (Part No. 615311).
- Multi-purpose use–utility, fifth wheel, back-up, tractor, or off-road vehicle lamp.
- 5/16" dia. stud complete with hardware.



REPLACEMENT HOUSING IS NOW AVAILABLE

Rubber Housing with Mounting Bracket
Part No. 638440

LAMP with BULB
Part No. 638445
Interchanges with:
Grote 64930, Truck Lite 80360

CLEARANCE • MARKER LAMPS

"DOUBLE BULLS-EYE"

- Corrosion resistant contacts.
- Contains two #1895 bulbs.
- Snap-on "scalloped dip" lens.
- Permamold base.



Part No. 638420
COLOR: RED



Part No. 638421
COLOR: AMBER
Interchanges with:
Grote 46792/3, Truck Lite 26302

CLEARANCE • MARKER LAMPS

OBLONG

- Snap-on lens, Permamold housing.
- Corrosion resistant contacts.
- Contains two 1895 bulbs.
- Two hole mount–holes 3" on center.

Part No. 638417
COLOR: RED
LENS ONLY: 638432



Part No. 638418
COLOR: AMBER
LENS ONLY: 638434
Interchanges with:
Grote 45432/3, Truck Lite 26301

REPLACEMENT LENS ARE NOW AVAILABLE

REPLACEMENT LENS

"DOUBLE BULLS-EYE"

- Fits 638420, 638421, 638425.



Part No. 638427
COLOR: RED



Part No. 638428
COLOR: AMBER
Interchanges with:
Grote 91962/3, Truck Lite 99053

CLEARANCE • MARKER LAMPS

THREE LAMP BAR

- Three 638420 "Bulls-Eye" lamps.
- Black enamel steel bar.
- Mounting holes 17-1/8" on center.



Part No. 638425
COLOR: RED
SIZE: 17-3/4" L x 2-1/4" W

G15

VAL-U® TRUCK LIGHTS

SERIES 1015 - LED CLEARANCE/MARKER LAMPS



- Designed at 14 volt, .060 amps.
- Operates in both polarities.
- Polycarbonate housing and lens.
- Sealed water tight construction.
- Protective encapsulation of electronics.

PART NUMBER	DESCRIPTION
638494	2.5" **RED** Round Clearance Side Marker
638495	2.5" **AMBER** Round Clearance Side Marker

SERIES 44 - 4" ROUND SEALED LED LAMPS



- Designed at 14 volt, .210/.090 amps.
- 10 Super Flux LED Diodes.
- Sonically sealed polycarbonate housing and lens.
- Industry standard connection and pin out.
- Circuitry protected against voltage surge and spikes.

PART NUMBER	DESCRIPTION
638496	4" **RED** Round Sealed LED Lamp
638497	4" **AMBER** Round Sealed LED Lamp
638503	4" **CLEAR** Back-Up

SERIES 64 - SEALED OVAL LED STOP/TAIL/TURN LAMPS



- Designed at 14 volt, .210/.090 amps.
- 10 Super Flux LED Diodes.
- Sonically sealed polycarbonate lens and housing.
- Industry standard connection and pin out.
- Circuitry protected against voltage surge and spikes.
- Vertical and horizontal mount.

PART NUMBER	DESCRIPTION
638498	**RED** Oval STop/Tail/Turn LED Lamp
638499	**AMBER** Oval LED Auxiliary Lamp
638501	**WHITE** Oval LED Auxiliary Lamp

STOP / TURN, TAIL and BACK-UP LAMPS

G15



LEFT HAND
Part No. 638268



RIGHT HAND
Part No. 638269

- Stop/turn, tail and back-up.
- Reflex lens with ring optics.
- Three stud mounting.
- Impact resistant plastic housing.
- License illuminator.
- With side cover junction.

APPLICATIONS:

FORD
1991-85 F100/350 Pick-ups
1984 & 81 P350/500
1991-78 CL-CLT Series 900/9000
1991-80 C-CT-L-LN-LNT-TL-TLS 600/900 from Series HG 5,001
1991-80 B-F 600/800
(Replaces D9HZ-13405B)

CHEVROLET & GMC
1991-73 Medium and heavy duty trucks
(Replaces 795058, 2063933)

FREIGHTLINER
1989-81 All
(Replaces A06-13581-001)

IH/NAVISTAR
1989-72 All medium and heavy duty
(Replaces 467708-C91, 424539-C91, 590158-C91)

MERCEDES BENZ
1989-78 All
(Replaces 344-544-74-03)

VOLVO/WHITE
1989-77 F613

STOP / TURN, TAIL and BACK-UP LAMPS

LEFT HAND
Part No. 638240





RIGHT HAND
Part No. 638241

W/DUAL LEFT & RIGHT METRI PACK CONNECTOR
Part No. 638255



- Metri-pack connector.
- Replacement for GM, Freightliner, Oshkosh and Peterbilt.
- Three stud mounting.
- License light.

REPLACEMENT PIGTAIL for Metri Pack - **Part No. 638250**

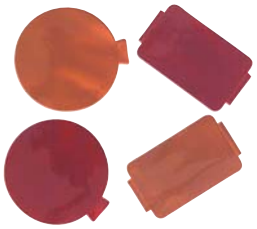
REPLACEMENT LENS for Above Numbers - **Part No. 638249**

REFLECTORS

SPITFIRE™ WIDE ANGLE REFLECTORS

- Hermetically sealed and unbreakable.
- Mounts on flat or curved surfaces.
- Industrial-strength adhesive.
- Easy to install and stays in place.
- 50% wider angle of reflectivity compared to conventional reflectors.
- 47,000 microprisms per square inch provides superior candlepower.
- Molded reflector - not tape or plastic reflector.
- Ultra-thin design, only .012 inches thick.
- Exceeds D.O.T. specifications.

PART NUMBER	DESCRIPTION	SIZE	COLOR
638488	Rectangular	2-3/4" x 1-3/4"	AMBER 25
638489	Rectangular	2-3/4" x 1-3/4"	RED 25
638491	Round	2-7/8"	AMBER 25
638490	Round	2-7/8"	RED 25



ROUND QUICK MOUNT - ACRYLIC LENS

- Adhesive backing permanently mounts reflector to any clean, flat surface.

PART NUMBER	DESCRIPTION	SIZE	COLOR
638474	Round	3"	AMBER 25
638475	Round	3"	RED 25
638483	Round	2"	AMBER 25
638482	Round	2"	RED 25

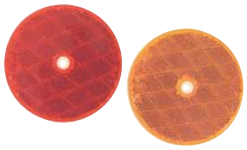


CENTER MOUNT - 3-3/16" HERMETICALLY SEALED REFLECTORS

- Mounts with a single screw through center hole.

Part No. 638477 25
COLOR: AMBER

Part No. 638476 25
COLOR: RED



OBLONG QUICK MOUNT - 4-3/8" x 1-7/8" ACRYLIC LENS

- Adhesive backing permanently mounts reflector to any clean, flat surface.

Part No. 638481 25
COLOR: AMBER

Part No. 638480 25
COLOR: RED



ALUMINUM OVAL - 3" ACRYLIC LENS

- Low-profile aluminum housing.
- Completely rustproof.

Part No. 638472 25
COLOR: RED

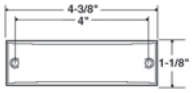


COMPACT RECTANGULAR REFLECTOR

- 4-3/8" x 1-1/8" acrylic reflector features both adhesive backing and mounting holes for many narrow applications.

Part No. 638486 25
COLOR: AMBER

Part No. 638487 25
COLOR: RED





REFLECTIVE MARKING (CONSPICUITY TAPES)

3M™ Scotchlite™ 981 Series Diamond Grade Conspicuity Sheeting

- Designed to mark the side and rear perimeter of trucks and trailers for enhanced visibility and detection.
- This highly retro-reflective sheeting consists of prismatic lenses formed in a durable, transparent resin.
- The lenses are sealed with a white synthetic film backed with an aggressive pressure-sensitive adhesive covered with a blue liner to protect the adhesive.
- 100% plastic, non-corrosive and edge sealed.
- Excellent angularity, which allows it to be seen at angles well beyond 45° from perpendicular - in fact, reflectivity approaches 90° from perpendicular. This feature is important in cross traffic, turning maneuvers and when parked along roadways.
- Guaranteed to meet NHTSA's minimum specifications of 250 candlepower 0.2-4 for seven years.
- DOT-C2 certified and DOT-C2 is printed on all products.

PROPERTIES:
- **Adhesive:** pressure-sensitive
- **Minimum application temperature:** 60°F (15°C) (sheeting & substrate)
- **Maximum application temperature:** 100°F (30°C) (sheeting & substrate)
- **Liner:** blue poly

PART NUMBER	DESCRIPTION	SIZE	QTY
638633	11" Red / 7" White Alternating	2" x 150' Roll	1
638635	11" Red / 7" White	2" x 18" Strips	25
638639	Pre-cut every 12" All White	2" x 150' Roll	1



FLEET ACCESSORIES

GM LICENSE PLATE LAMP



Part No. 638505

- Fits pick-ups, vans & Suburban models 1992-78 with step bumper.
- Exact OE duplicate - chrome face plate.
- Weather-proof construction.
- Shielded male snap plug connector.
- Replaceable No. 67 (615161) bulb.
- Mounting holes: 2-5/8" c-c (screws included).
- Replaces: GM-914086.

UNIVERSAL BRACKET



Part No. 638192

- Universal license plate bracket.
- Painted black steel.
- Fits lamps with two or three studs on 2" centers.

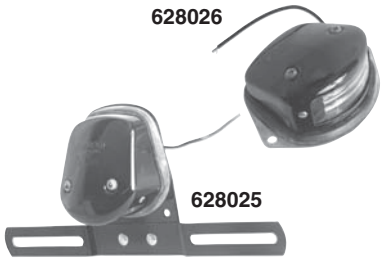
BACK-UP ALARM ACTIVATING SWITCH



- 360° Designed for easy installation. Actuated by gear shift linkage when vehicle is shifted into reverse.
- Switch is rated for Nema 1 and when installed properly is water and dust resistant.
- 15 AMP rated and may be actuated from a full 360° direction.
- Switches to be mounted on flat rigid surface.
- Basic switch is UL and CSA approved.

Part No. 618393

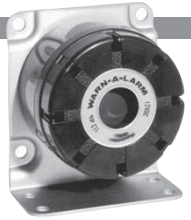
LICENSE PLATE LAMPS / BRACKETS



DIMENSIONS: Series 437-00: 10-15/16" L. x 4-5/8" H. x 2-3/16" D. Two 1/4" mounting holes on 2-1/2" centers.
MATERIAL: Steel body and base. Zinc plated steel socket, acrylic lens, stainless steel and nylon pigtail, stainless steel screws and rubber gasket.
FINISH: Black
FEATURES: The universally accepted standard of quality in license lamps, custom designed optics achieve highest license plate illumination.

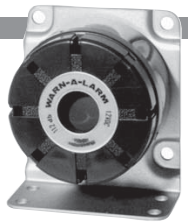
PART NUMBER	DESCRIPTION
628025	**CLEAR**, Black Finish,
437-00-132	License Lamp w/Bracket
628026	License Lamp Only

EVACUATOR®



HEAVY DUTY, ELECTRONIC BACK-UP ALARMS

For commercial, industrial and construction vehicles and equipment. Alerts workers, ground crews, bystanders and other vehicle operators with a loud warning whenever equipment is backing up.



- Piezo-electric circuity eliminates heavy magnetic coils and speakers for extra vibration resistance.
- Shock-resistant acrylic housing keeps weather and dirt out. Impervious to damage.
- Mounts in minutes - only 4 bolts or screws.
- Solid state reliability. Less than 0.1 amp current drain.
- Diameter is 2-3/8", depth is 1-11/16".

EVACUATOR® 107DB

Best for noisy construction sites or beside a traffic filled freeway. Recommended for forklift trucks, dump trucks, heavy vehicles, loaders, cranes, backhoes, snowplows, sanitation trucks, fire trucks.

PART NUMBER	DC VOLTS	DECIBEL OUTPUT
618402	12-48	107DB

EVACUATOR® 112DB

Loudest available. For open pit mines, road construction, extremely noisy plants. Use on crawlers, earth moving equipment, bulldozers, mining equipment, airport pads.

PART NUMBER	DC VOLTS	DECIBEL OUTPUT
618403	12-48	112DB

All Evacuator® Models are designed to meet the following requirements:

1. SAE Recommended Practice J994 Sep. 80.
2. OSHA Paragraph 1910.12 Construction Work; Paragraph 1926.601 Motor Vehicles; Paragraph 1926.602 Material Handling Equipment; Paragraph 1926.952 Motor Vehicles.

FLEET ACCESSORIES

LIGHT DUTY ELECTRONIC SOLID STATE ALTERNATING ALARM

SAE J944b Class C - Conforms to State, Federal, OSHA, Bureau of Mines, US Army Corp of Engineers Requirements.

The alternating type alarm features sealed solid state electronics.

- Rugged fiberglass reinforced nylon housing.
- Integral universal mounting bracket.
- Compact size.
- Field proven electronics and speaker.
- Full two year limited warranty.
- Operates over a 12-24 volt range.
- Operates over a temperature range of -40° to +85°C.

Recommended for low to medium noise environments for use on trucks, buses, delivery vans, lift trucks and other light duty vehicles.



Part No. **618410**

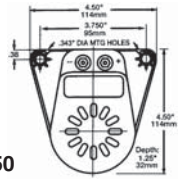
PART NUMBER	DESCRIPTION	FINISH	DIMENSIONS (L x W x H)	FREQUENCY (Hz)	DB RATING @ 4'-0"	BEEP RATING (Per Min.)	POWER SOURCE (Volts)	CURRENT DRAW (AMPS)
618410	Light duty - solid state	black reinforced nylon	4 x 1-5/8 x 2-5/8	1250	97	60	12/24V	.6

BACK-UP ALARM®

The Tail-Gator® has set the quality standard for more than 25 years.

Satisfied customers have made it the best-selling alarm in the industry.

- Single sound level.
- 12 volt systems.
- 97 decibels.
- SAE J994 Type C.
- Weight: 12 oz. (454g)





Part No. **618050**

ALARMS (SELF-ADJUSTING)

- Self-adjusting alarm automatically adjust to 10 decibels above the surrounding noise, thus reducing irritation for operators & workers.
- Versatile and compact universal mounting.
- This alarm has #8-32 UNC terminal studs.
- Used by major OEM's.
- Weight: 1 lb. 8 oz. (681g)
- 97-112 decibels.
- 12-24 volt systems.



Part No. **618045**

HEAVY DUTY BACK-UP ALARM

- Safety needs demand durability and versatility.
- The 60-102 Heavy Duty die-cast Back-up Alarm answers all your needs with its convenient compact size, rugged housing and decibel rating.
- Our most popular alarm serves on emergency and maintenance vehicles, construction equipment, trucks, buses, firetrucks, lift trucks and utility vehicles.
- Long-term reliability.

MADE IN USA

Type:	Electronic
Width:	4-1/2" (115mm)
Depth:	2" (50mm)
Height:	3" (76mm)
Voltage:	12 through 36V DC
Amps:	Less than 1/2A
Sound Level:	102dbA ±4dbA
Beep Rate:	Approx. 60 per minute
Housing:	Heavy-duty die-cast



Part No. **628290**
STAR60-102

SMART ALARMS® BACK-UP ALARMS

Our Smart Alarms® are the world's first self-adjusting back-up alarms. These alarms constantly measure ambient noise and adjust their sound level, creating a volume that is safe without being annoying. Smart Alarms® eliminate the need for constant manual adjustment and prevent intentional alarm disconnection.

- Automatically adjusts maintaining a minimum of five dB(A) above noise level up to a maximum rated output.
- Epoxy sealed against dust, moisture and vibration.
- Ends confusion on which alarm to choose.
- Reduces irritation and excessive noise complaints.
- Temperature range: -40°F to +185°F (-40°C to +85°C).



Part No. **618091**
SA914

- Integral bracket includes same mounting pattern popular with OEM's.
- Steel housing and construction for rugged applications.
- Meets SAE J994.

Voltage: 12 through 24V DC **SAE type:** A-D
Decibels: 87-112 **Amps:** 0.4



Part No. **618090**
SA901

- Compact and rugged design for medium noise environment.
- Steel housing and rugged construction for demanding applications.

Voltage: 12 through 24V DC **SAE type:** B-D
Decibels: 82-107 **Amps:** 0.3

G15

FLEET ACCESSORIES

BACK-UP ALARM - 112 dB(A)



- Integral bracket includes same mounting pattern popular with OEM's.
- Reverse mounted speaker enhances sound and protects speaker for longer life.
- Steel housing and construction for rugged applications.
- Meets SAE J994.

Voltage: 12 through 36V DC
Decibels: 112
SAE type: A
Amps: 0.4

Part No. 618087
876

STROBE LIGHTS



- Heavy duty and dependable.
- AMBER lens.
- All factory default setting to quad flash, Reprogrammable to single or double flash.
- Made for long life trouble free use.
- Die-cast base is threaded to accept 1/2" pipe mount and includes knockouts for permanent bolt mounting.
- 6" height / 5-1/2" dia.
- Order 628278 - STAR200SDM for magnetic mount.

Part No. 628277
STAR200SD

MADE IN USA

REPLACEMENT STROBE TUBE
Part No. 638129

HIGH PROFILE STROBE LIGHTS



- Doubleflash High-power.
- HIGH-POWERED, high visibility.
- Easy to mount (NO disassembly needed).
- Permanently mounts 2 holes on 6-7/8" centers.
- Anodized spun aluminum case.
- Rugged die-cast base plate.
- AMBER lens.
- 8" high.
- 5-1/2" dia.
- Order 628284 - STAR250CDHM for magnetic mount.

Part No. 628288
STAR250CDH

REPLACEMENT STROBE TUBE for High Powered Series **- Part No. 638130**

LOW PROFILE with DIE-CAST BASE STROBE LIGHT



- Ideal for construction, forklift or other applications.
- Only 4-1/8" tall (very low profile) x 4-1/8" dia.
- Aluminum retaining ring clamps polycarbonate lens to base.
- Rugged die-cast base.
- Fits almost anywhere!
- 4-1/8" dia.
- Factory set to quad flash.
- Lens Color: AMBER.
- Voltage: 12.
- Mounting: Base threaded for 1/2" pipe mount and knockouts for permanent bolt mounting)

Part No. 628280
STAR200Z

REPLACEMENT STROBE TUBE for Single Flash 200Z & 211RM Series **- Part No. 638131**

MEDIUM PROFILE STROBE LIGHT



- HIGH POWERED, Double Flash.
- Easy to mount flange base. (NO disassembly needed)
- Permanently mounts at 2 holes on 6-7/8" centers.
- Anodized spun aluminum case.
- Rugged die-cast base plate.
- AMBER lens.
- 6-1/8" high x 5-1/2" dia.

Part No. 628289
STAR250SDH

REPLACEMENT STROBE TUBE
Part No. 638130

LOW PROFILE STROBE LIGHT



- Molded rubber base to absorb shock and prevent corrosion.
- 3 joules.
- 4-1/16" high.
- 5-3/4" dia.

Part No. 628285 STAR211RM

- Low profile, singleflash and magnetic mount*.
- Lens color: AMBER.
- Voltage: 12, 24V DC
- Mounting: Magnetic - with lighter plug.

**Has a coated magnet to help avoid scratches.*

REPLACEMENT STROBE TUBE for Single Flash 200Z & 211RM Series **- Part No. 638131**

360° LED MINI STROBE



- Ideal for utility, construction, security, snow & maintenance applications.
- Features five user selecteble flash patterns.
- Meets SAE J1318 Class III.
- 12-48 volt DC, .173 amp.
- Waterproof.

MATERIAL:
- Polycarbonate lens.
- Black cast aluminum housing.
- 18 gauge wire.

LIGHT SOURCE:
- Light emitting diodes (LEDs)

PART NUMBER		DESCRIPTION
628492	92688Y	Yellow, permanent mount

FLEET ACCESSORIES

HIGH PROFILE HIGH INTENSITY STROBE LIGHT

The newest 360° strobe - our patented *i.beam™* LED monitors circuit board and flash tube performance on each flash cycle.

- **Consistent flash intensity and flashes per minute during voltage or temperature changes.**
- **Thread-on lens and snap-fit flash tube allows change of flash tube without any tools.**
- **Voltage spoke and surge protected.**
- **Seven support points provide a shock-resistant mounting of the power supply.**
- **Conformal coated circuit board prevents corrosion.**
- **Rugged die cast aluminum base is coated against corrosion and designed for vibration resistance and heat dissipation.**
- **Warranty: 2 year / 6 month (flashtube).**
- **Temperature range: -22° F to +122°F (-30°C to +50°C)**

Part No. 628299 6990X



- **Flange and 1" pipe mounting.**
- **AMECA certified to SAE J1318.**
- **8" height.**
- **6-1/2" dia.**

Voltage: 12 through 24V DC
Joules: 15 Dbl / 20 Quad
FPM: 80 Dbl / 65 Quad
Amps: 2.9
Mount: 2 types

MEDIUM PROFILE STROBE LIGHT

- **Thread-on lens allows toolless change of flash tube.**
- **Reverse polarity, voltage spike and surge protected.**
- **Epoxy-filled base for power supply protection.**
- **Warranty: 5 year / 6 month (flashtube)**
- **Temperature range: -22°F to +122°F (-30°C to +50°C).**

Part No. 628292 6220X



- **Tested in accordance with UL583 safety standard.**
- **Can be used in Type E, ES and EE industrial trucks.**
- **5.5" height.**
- **2.8" x 3.4" dia.**

Voltage: 12 through 80V DC
Joules: 1.5 Sgl
FPM: 85 Sgl
Amps: 0.3
Mount: 2-Hole

LOW PROFILE STROBE LIGHT

- **Robust glass-filled nylon base.**
- **Thread-on polycarbonate lens & snap-fit flashtube allows easy field service without tools.**
- **Shock-resistant 5-point power supply mounting.**
- **Suitable for both on or off highway applications.**
- **Consistent operation during voltage & temp changes.**
- **AMECA certified to SAE J1318 Class II, CE, R10.**
- **6.5" L x 6.5" D x 4.8" H.**
- **Warranty: 2 year / 6 month (flashtube)**
- **Temperature range: -22°F to +122°F (-30°C to +50°C).**

Part No. 628297 6550A



Voltage: 12 through 24 v
Joules: 1.5 Sgl
FPM: 80 Dbl / 65 Quad
Amps: 2.4
Mount: 3-Bolt / 1" Pipe
Color: Amber

RUBBER HOUSING ONLY

With vertical and horizontal mounting bracket

For PAR46 Style Seal Beams 4413, H7609, etc.

- **5-3/4" (146mm) dia.**
- **1/2"-13 x 1-1/2" bolt mounting.**



Part No. 638630

SEALED BEAM FLOOD WORK LAMP

- **Clear, aluminum body with 20 amp toggle switch.**
- **PAR36 sealed beam lamp with adjustable pedestal mount and heavy duty 9/16" stud.**
- **Uses retaining ring and clear (flood) 4466.**
- **Mounting hardware included.**
- **Provided with 18" of BSXL abrasion resistant wire.**



Part No. 628805

UNIVERSAL SNOW PLOW/ATL LIGHTS

- **High impact polycarbonate & steel construction.**
- **Features high beam/low beam halogen headlamps & integrated park/turn lamps.**
- **Lamp functions as snowplow light, all terrain light, or off road/auxiliary light.**
- **Mounts on one 1/2"-13 stud.**
- **Kit also includes a switch, a grommet that protects wiring at the switch, and a heavy-duty flasher.**
- **One-piece harness runs from switch to the front of the vehicle & attaches with Scotchlock™ connectors.**

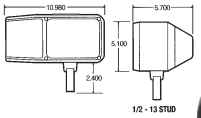
Material

- Polycarbonate park/turn lenses & housing.
- Steel bracket.
- 16 gauge wire.

Light Source

- Bulb #08004, glass sealed beam.
- Designed at 12.8v, 3.52 amp (low) and 5.08 amp (high).
- Bulb #1157, S-8 DC bayonet.
- Designed at 12.8v/14v, 2.10/.59 amp.

Universal Kit Components:
Part No. 628800
(1) 80810 LH lamp
(1) 80820 RH lamp
(1) 80830 main harness
(1) 80840 hardware set



Part No. 628800



FLEET ACCESSORIES and TRAILER WIRE CONNECTORS

EPHA® HOSE PROTECTORS

Prevents 90% of hose, line, or cable failures due to wear at points of contact with frame, etc.

Available in 3 sizes! cable ties included

EASY INSTALLATION IN MINUTES! No need to remove hose



SIZES (INCHES) LENGTH x WIDTH	COLORS BLACK PART NO.	ORANGE PART NO.	YELLOW PART NO.	QTY
4 x 2-1/2	**618425**	**618426**	**618427**	10
6 x 3	**618428**	**618429**	**618430**	10
8 x 3-1/2	**618431**	**618432**	**618433**	10

These are wear shield products and are not suitable as patches or repairs for hoses, cables, lines, etc. that are already worn beyond safe use standards.



ABRASION PROTECTION FOR

- Hydraulic hoses.
- Wiring harness.
- Fuel lines.
- Radiator hoses.
- Battery cables.
- Brake systems.
- Air lines.
- Oil lines.







MARKET APPLICATIONS

- Farming.
- Trucking.
- Construction.
- Public transportation.
- Waste management.
- Industrial.
- Mining.
- Aviation support.
- Road maintenance.
- Original equip. manuf.



UNIQUE FEATURES

- Extremely high wear factor.
- Formulated to resist solvents, oils, grease, gasoline, etc.
- 3 grooves protect cable ties and prevent slipping.
- Operating temperatures range -40° to 430°F.
- Exceptionally cost effective.
- Made of space age plastic - 4 times greater wear than an automotive tire.



(Black) Part No. 501653

(Orange) Part No. 501654

(Yellow) Part No. 501655
3 sizes • 4 items • 120 pieces
12051 steel tray
(Includes cable ties)

TRAILER WIRE CONNECTORS

Conforms to all T.T.M.A., A.T.A., and S.A.E. industry standards



Sockets with exposed screw terminals

Part No. 618303 - 7 pole

- Solid contact pins.
- Replaceable interior.
- Mounts thru 2" dia. hole.
- Flange holes 21/63" dia.,2-15/16" on centers.



Sockets with exposed screw terminals

Part No. 618306 - 6 pole

- Split contact pins.
- Replaceable interior.
- Mounts thru 1-3/8" dia. hole.
- Flange holes 17/64" dia., 2-15/16" on centers.



Part No. 618307 - 6 pole
Part No. 618311 - 4 pole

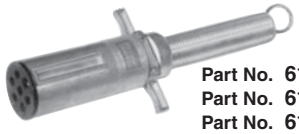
- Recommended for flat bed trailers.
- Special housing design protects connections from road dirt, splash, etc.
- Flange holes 17/64" dia., 2-15/16" on centers.

PROTECTIVE BOOT FOR 7 POLE SOCKETS



Part No. 618319 3

- Protects against road splash, dirt, etc.
- Inner ridge locks over head of terminal screws and edge of casting to hold securely.



Part No. 618304 - 7 pole
Part No. 618308 - 6 pole
Part No. 618312 - 4 pole

- Connector plug with cable protector.
- Integral cable clamp.
- Winged grip makes removal/insertion easy.
- Replaceable interior.



Part No. 618305 - 7 pole
Part No. 618309 - 6 pole

- Connector plug is the same as 618304, 308, 312 but without cable protector.

BLADE TYPE SOCKET/PLUG



Part No. 638283 - 7 blade socket - vehicle end
Part No. 638284 - 7 blade plug - trailer end

- Incorporates vinyl inserts to keep out dirt and moisture.
- Interior design prevents internal short-circuiting; safety latch prevents damage from accidental pull-away.
- Color coded to RVI standards; interchangeable with other well known RV types.

UNIVERSAL LINE CONNECTORS



Part No. 618328 - 2 pole, flat, pair
Part No. 618370 - 4 pole, flat, pair
Part No. 618405 - 4 pole, male plug only
Part No. 618407 - 4 pole, female plug only

- 6" long 16 gauge wire leads.
- Polarized.
- Molded weather proof bodies.
- Manufacture and tested to rigid standards to assure trouble-free performance and long life.

WIRING KITS



Part No. 618373 - 4 pole

- Flat.
- Includes all the features of the connectors, as well as self-insulating wire connectors. Male ends has 12" of wire, the female 48".
- Manufactured and tested to rigid standards to assure trouble-free performance and long life.

TRAILER WIRE CONNECTORS and PLUG CLEANER

MASTER TRAILER CLEANER SET

The first and only set of tools to clean every North American Trailer connector (PSS061514)

- Maintain continuity and prevent circuit failure
- Clean and re-size trailer pins
- Remove corrosion from connectors
- Extend harness life
- Use as a pin wear gauge



SET INCLUDES

- 4 and 5 flat pin
- 6 round pin
- 7 flat (spade) pin
- 7 round pin
- Swab-Eez® 8mm and 5mm head
- Deoxit® contact chemical cleaner
- Leather type holster

Part No. 618325

The unique patented design allows for precise removal of corrosion from both male/female pins, while maintaining proper pin dimensions. Great for cleaning butt and bullet type connectors found on most tail and side marker assemblies. Also includes custom-sized swabs for removing debris and applying the supplied Deoxit® contact enhancer solution.

HD FLEET TECHNICIAN'S ELECTRICAL TERMINAL MAINTENANCE SET

Specially designed tools for cleaning all vehicle electrical connections in commercial heavy duty fleets

- Cleans male and female connectors
- For terminal sizes: .03" - .25"
- Connector types: Deutsch, Cannon, 7 round pin, Bullet, Weather Pack, common ABS sensor and power connectors, trailer light connectors & more



PREVENTATIVE MAINTENANCE

- Standard PM service tools.
- Prevents intermittent power failures
- Extends harness life.
- Ensures proper diagnostic equipment connectivity

Part No. 618326 (PSS061614)

SET INCLUDES

- Large/small flat male and female spade terminal cleaners
- Large/small 7 round pin socket harness cleaners
- One ABS sensor/power connector cleaner
- Ten micro diamond round files ● Trailer light bullet connector cleaners
- Deoxit® contact chemical cleaner ● Leather type holster

DEOXIT® CLEANER and SHIELD

Clean and protect all electrical connections (PSS061414)

DEOXIT® Cleaner

- Cleans and restores connections
- Prevents electrical failure
- Improves performance
- Removes oxidation and corrosion
- Enhances electrical contact points



Part No. 211035
5.75 oz. net wt.

DEOXIT® Shield

- Lubricate and protects connections
- Use after Deoxit® cleaner for long term protection
- For severe environments

Safe On All Plastics!



USE ON: Terminals, ABS, input/output sensors, E.C.U. connectors, battery, pins and plugs, horns, connections, fuel injectors, fuses, ribbon cable connections, tail and head light connections, relays, air flow meters, audio & video connections and many more.

Part No. 211036
5.75 oz. net wt.

SWAB-EEZ® Industrial Grade Swabs

Low lint-medical grade-high absorbtion swabs for the applications and removal of chemicals (PSS061714)

Clean, lubricate & paint:

- Head bolt holes
- Tubing
- Threads
- Fittings
- Bores
- Pipes
- Gaskets
- Guns
- And much more



325 Piece Set Contains

HEAD (MM)	QUANTITY
5	100 swabs
5	100 swabs
8.5	50 swabs
12	25 swabs
16	25 swabs
20	25 swabs



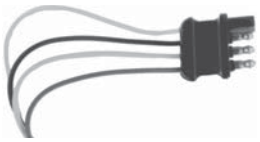
Part No. 618327



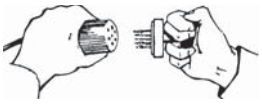
FLAT MALE 4-PRONG CONNECTOR

Part No. 618405

- 16 gauge color coded leads.
- Polarized to fit all brands.



PLUG CLEANER



Part No. 618395 - 7 - Way

- Extend life of connectors.
- Stainless steel brushes – cleans corroded contact in seconds.



- T-shaped handle – comfortable & easy to use.
- Tough plastic body.
- Snap-on protective cover.

7 – WAY CIRCUIT CHECKERS

PIN TYPE

Tests all 12V neg./pos. ground wiring systems.

CHECKS:

- Stop lights.
- Left, right turn signals.
- Tail lights.
- Clearance lights.
- Auxiliary.

INDICATES:

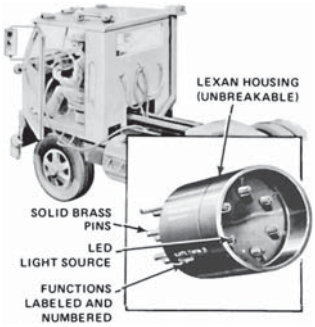
- Shorts between wires.
- Shorts to the ground.
- Open ground wire.
- Cross wiring.
- Open wires.

TOP



BOTTOM





Part No. 618397

BLADE TYPE

LED indicators quickly identify complete circuits by glowing red; no light means problem circuit.

- Fits standard seven-way blade type.
- Constructed of molded PVC for impact resistance.
- Internally grounded.



Part No. 618320

TRAILER WIRE CONNECTORS & SOCKET CLEANER

ELECTRICAL CONTACT CLEANER

Diamond-Coated, Super Hard, Flexible Flat Cleaners.



- **Cleans & enhances electrical connections.**
- **Fits into places where other files can not.**
- **Ultra-thin and flexible.**
- **Extends contact life.**
- **Comfortable, non-slip, high-viz handles.**

USE FOR:
Large spade relays, forklift contacts, industrial electrical contacts and general filing.

INCLUDES:
All 3 files, 6-3/8" in length by 6mm, 9mm x 15mm widths

Part No. 618344 (PSS021216)

ELECTRICAL PIN CLEANERS

Precision Files with Abrasive Diamond-Coating and a contoured design to clean male electrical pins.



- **3 piece set cleans Micro Male pins from .030, .060 & .090.**
- **Covers most cars, trucks, construction, agricultural & military equipment in use today.**
- **Cleans Deutsch, Cannon, Bullet & other round electrical pins.**
- **Enhances electrical connectivity.**
- **Removes corrosion & build up.**

USE FOR:
A variety of industrial applications.

INCLUDES:
All 3 files, 5" in length with a leather pouch

Part No. 618346 (PSS021116)

LIGHT SOCKET CLEANING KIT

Removes corrosion & debris and restores connectivity.



(PSS021316)

- **Cleans the entire surface with one pass.**
- **Brush features special tufted end to clean both the side & bottom walls.**
- **Remove debris from all contact areas.**
- **Brass for copper connectors & moderate corrosion.**
- **Stainless steel brush for severe corrosion.**
- **Comfortable, non-slip, high-viz handles.**

USE FOR:
#1157 Light Bulb Sockets - 5/8" - 3/4" Bores

INCLUDES:
2 each, 6-1/8" in length brushes, Deoxit cleaner & enhancer, 20 swabs

Part No. 618345

TRUCK HARDWARE and CONTROL CABLES

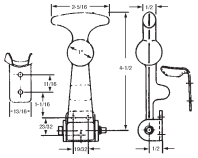
FLEXIBLE HOLD-DOWN LATCH

Used to hold-down truck hoods, battery boxes, tool boxes, hatch covers, lids and doors.

- Made of synthetic rubber, resistant to weather, oils, chemicals & dirt.
- Complete with zinc plated steel brackets.
- Designed for vertical or horizontal mounting.

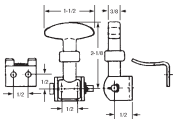


Part No. 418201
4-1/2" size





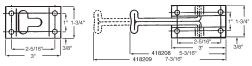
Part No. 418202
2-1/8" size



DOOR HOLDER HOOK and KEEPER ASSEMBLIES

- Heavy gauge steel.
- Zinc plated.





PART NUMBER	DESCRIPTION
418209	6" Hook and keeper assembly

STEEL HOOD LATCHES & BRACKETS

Used on; trucks, off-road, farm and industrial equipment, Jeeps, and recreation vehicles. Particularly adaptable to use on air compressor and engine compartment covers.

- Latches & brackets are constructed of high quality steel.
- Black enamel finish.

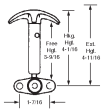


Horizontal mount
Part No.
418203



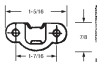


90° vertical mount
Part No.
418204





Hooking bracket
Part No.
418205 3



FLUORESCENT ORANGE GUIDE KITS

BOLT-ON EASE

Used on: snow plows, cement trucks & construction equipment.



PART NUMBER	DESCRIPTION
418420	Blade Guide Kit, 3/4" x 28"
418424	Blade Guide Kit, 3/4" x 36"

CONTROL CABLES "T"-HANDLE

Used for: choke, throttle, hood locks, air vents, dampers, heater and water valves, shutter control, hydraulic valves, farm equipment, power and yard equipment and marine.

– LOCKING –

LENGTH (FEET)	PART NUMBER	THREAD HOUSING
6	**421138**	7/16-20
8	**421145**	7/16-20



– NON-LOCKING –

LENGTH (FEET)	PART NUMBER	THREAD HOUSING
7	**421144**	3/8-24



PTO

Used for: power take-off on trucks, farm construction and other mobile equipment.

LENGTH (FEET)	PART NUMBER	THREAD HOUSING
10	**421148**	7/16-20



VERNIER

Used to set and maintain throttle settings. Allows quick and precise adjustment of engine RPM's.

LENGTH (FEET)	PART NUMBER	THREAD HOUSING
10	**421149**	3/4-16



G15

AIR BRAKE PARTS and TRUCK/FLEET

AIR TANK DRAIN VALVE



- 68" cable attaches.
- Brass construction.

PART NUMBER	WEATHERHEAD	PIPE THREAD SIZE
508299	1421	1/4"

AIR HOSE SEPARATOR



- Heavy duty plastic.

HOSE SIZE	PART NUMBER	QTY
3/8	**618388**	5
1/2	**618389**	5

UNIVERSAL GLADHAND



- Die-cast aluminum body.
- Conforms to SAE J318.
- Connects to 1/2" pipe.
- Includes taper design seal.

Part No. **418127** (4)

HOSE SUPPORT CLAMPS

FOR 3/8" I.D AIR BRAKE HOSE



- Durable black molded plastic.
- Complete with plated eye bolts and nuts.
- Does not reduce diameter of hose.

PART NUMBER	DESCRIPTION	QTY
618381	Holds two air hoses and one electrical cable.	2

GLADHAND SEALS

– RUBBER –

Advanced rubber compound assures best sealing.



TAPER DESIGN

Part No. **418126** 12



PROTECTO-O-SEAL DESIGN

- Protect gladhands against dirt and insects.

Part No. **418142** 10



PART NUMBER	COLOR	QTY
418143	Red	4
418144	Blue	4

– POLYURETHANE –

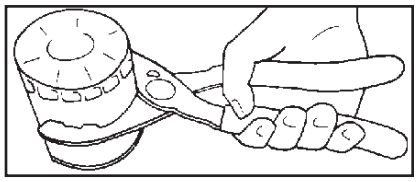
- Will not crack, tear, or dry out.
- Outlasts rubber seals.
- Reduces downtime.
- Reverse taper eliminates air leaks.
- Color coded – red for emergency, blue for service.
- D.O.T. compliance.

LUBRICATION TOOLS

OIL FILTER PLIERS

- Pliers specially designed for removal of screw-on filters.
- Allows easy access to filters and provides a secure grip with powerful leverage.
- Breaks loose the most stubborn filters.
- 114392 is specially designed for use on late model 4 and 6 cylinder domestic & import engines. Its shorter size allows it to work in closer quarters.





PART NUMBER	DESCRIPTION	OVERALL LENGTH (INCHES)
114391	Oil Filter Pliers, ranges from 3-1/8 to 3-5/8 / 80 mm to 92 mm	11-5/8
114392	Oil Filter Pliers, ranges from 2-1/2 to 3-1/8 / 65 mm to 80 mm	10-1/8

OIL FILTER PLIERS WITH SLIP JOINT HANDLE

- Two position slip joint handle covers the range of three separate conventional filter wrenches.
- Also works on fuel filters and radiator caps.
- Sure grip teeth prevent slippage.
- Cushioned handles.
- One size for cars, one for trucks.

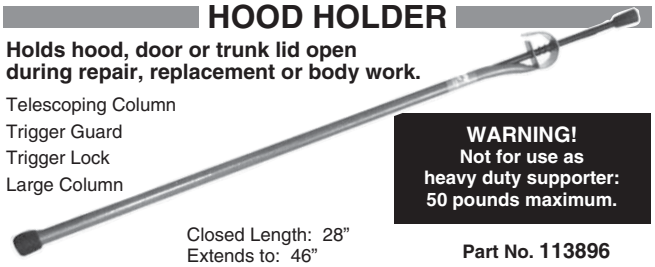


Part No. 114422 - 2-1/4" to 4"
Part No. 114424 - 3-5/8" to 6"

HOOD HOLDER

Holds hood, door or trunk lid open during repair, replacement or body work.

Telescoping Column
Trigger Guard
Trigger Lock
Large Column



WARNING!
Not for use as heavy duty supporter: 50 pounds maximum.

Closed Length: 28"
Extends to: 46"

Part No. 113896

"SWIVEL GRIP" OIL FILTER WRENCHES

11387	**Size Range:** 3-1/2" to 3-7/8" / Handle: Red
11388	**Size Range:** 2-7/8" to 3-1/4" / Handle: Black
213650	**Size Range:** 4-5/16" to 4-3/4" / Handle: Black Fits Cummins and Detroit diesel engines
213651	**Size Range:** 5-1/4" to 5-3/4" / Handle: Red Fits Caterpillar engines
11396	**Size Range:** 4-1/8" to 4-1/2" / Handle: Red Fits Cummins diesel on Dodge trucks



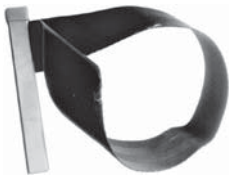
- Handle swivels to clear frame & exhaust obstructions.
- Durable 1" wide stainless steel band.
- Vinyl covered handle provides a firm, comfortable grip.
- Swivel handle makes it easy to reach & turn filters even in hard-to-reach locations.

Fits most late model GM & most Imports using 3" filter.

"BIG RANGE" FILTER WRENCH

Removes any filter up to 6"

Adjusts quickly to fit any spin-on oil filter up to 6" in diameter. Use with 1/2" square drive wrench. Strong nylon belt will not slip.



Part No. 113548

ADJUSTABLE OIL FILTER WRENCH

For trucks and tractors. Fits John Deere, Case, Caterpillar, Mack, Detroit Diesel and Others.

Tough, stainless steel band with special "teeth" for extra gripping power... won't slip. Professional quality. Works with 1/2" square drive.

RANGE: 4-3/8" to 5-5/8"

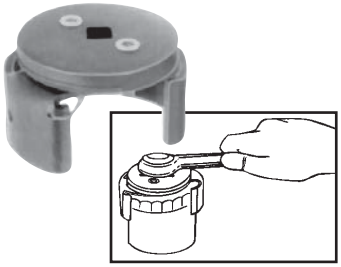


Part No. 113549

IMPORT & WIDE RANGE CAR FILTER WRENCHES

- Steel jaws grip filter without slipping.
- Works in tight spots using a 3/8" drive.

PART NUMBER	DESCRIPTION
213464	IMPORT CAR FILTER WRENCH Ranges from 2-1/2" to 2-3/8" / 63mm to 79mm Fits the 2-1/2" Toyota filter, plus the common 3" domestic filter
214160	WIDE RANGE FILTER WRENCH Ranges from 3-1/8" to 3-7/8" / 79mm to 98mm
63630	REPLACEMENT SPRING - For both wrenches.



"LOW-PROFILE" 3-PRONG CLAW

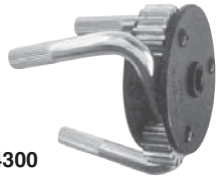
- Low profile (2-1/2" high) shape provides high torque in tight areas.
- Use 3/8" drive ratchet or 3/4" wrench.
- Fractional size 2-7/16" to 4-3/4".
- Metric size 63 to 121mm.



Part No. 114355

"THE CLAW" (3 pronged oil filter wrench)

- Just one wrench does it all.
- Range: 65mm-120mm.
- Your best bet for those "impossible to remove" filters.
- 1/2" drive.



Part No. 114300

LUBRICATION TOOLS

LOW PROFILE OIL FILTER SOCKET KITS

33% lower than the conventional sockets.

MAKES REMOVAL OF FILTERS IN TIGHT AREAS EASY!

- **13 close-fitting sockets, 14, 15 or 36 flats, have grip-tight hold for positive removal without crushing or slipping.**
- **All the sockets can be used with regular 3/8'' drive ratchet, wrenches & extensions.**



Sockets can be ordered separately or in kits. - USERS GUIDE INCLUDED

PART NUMBER	I.D. NO. STAMPED ON SOCKET	DESCRIPTION	IMPORT KIT 114001	DOMESTIC KIT 114002	MASTER KIT 114003
SOCKETS					
114376	C17001	14 FLATS 75mm	X	X	X
114377	C17002	15 FLATS 75/77mm	X	X	X
114378	C17003	15 FLATS 75/79mm	X	X	X
114379	C17004	15 FLATS 93mm	X	X	X
114380	C17005	15 FLATS 84mm	X		X
114382	C17007	36 FLATS 76mm		X	X
114383	C17008	36 FLATS 93mm		X	X
114384	C17009	14 FLATS 65mm	X		X
114385	C17050	14 FLATS 73mm	X		X
114386	C17070	14 FLATS 68mm	X		X

LOW PROFILE OIL FILTER SOCKETS

- **33% lower than conventional socket.**
- **Makes removal of filters in tight areas easier.**
- **See page 4 for complete line.**





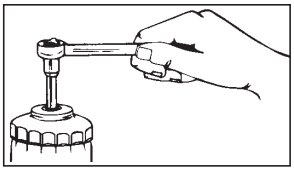


Part No. 114386 **ID # C17070**
14 FLATS, 68MM
Fits: Mazda Jeyo-14302 and Feyo-14302, Late Model 626, 929, MPV, MX-6, B2000, B2200, B2600i
Fits: 1990-89 Ford Probe & Mercury Tracer Part No. FL816
Fits: Subaru Justy Part No. 15208KA010

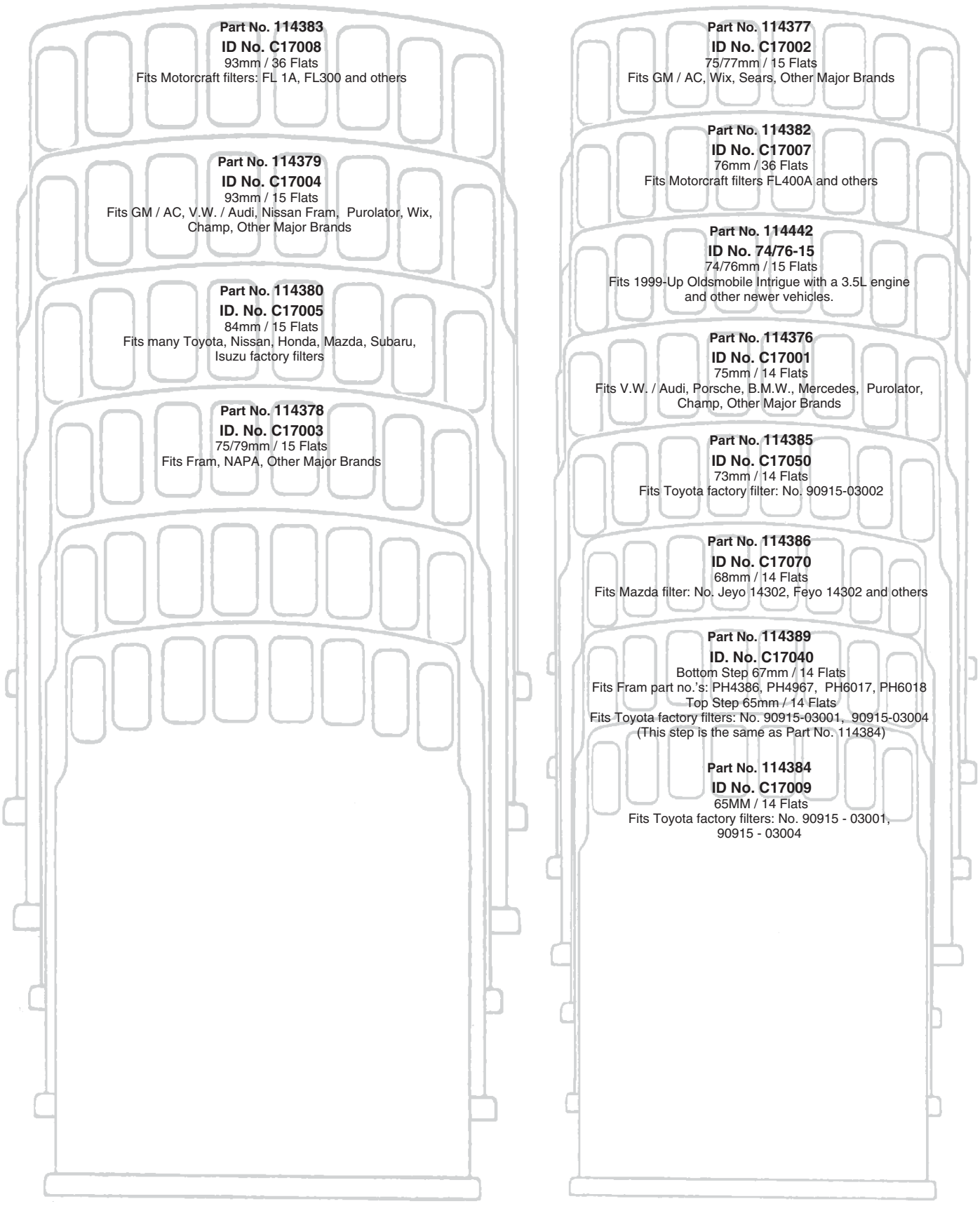
Part No. 114389 **ID # C17040**
TWO STEP
Bottom Step **14 flats, 67mm**
Top Step **14 flats, 65mm**
Bottom Step (67mm)
Fits: Fram part nos. PH4386, PH4967, PH6017, PH6018
(Only oil filter socket to fit these filters.)

Top Step (65mm)
Fits: Toyota Filters 90915-03001, 90915-03004
(This step is the same as Part No. 114384)

Part No. 114442 **ID # 74/76-15**
Cup design allows easy filter removal and installation, even in tight locations.
Use with 3/8" square drive. For 74mm and 76mm diameter oil filters with 15 flutes.
IMPORTANT: Match the fluted end of the oil filter with the filter wrench to ensure the proper wrench size.
CAUTION: Wear gloves.
Fits: 1999-Up Oldsmobile Intrigue with a 3.5L engine and other newer vehicles.



LOW PROFILE OIL FILTER SERVICE SOCKETS



Part No. 114383
ID No. C17008
93mm / 36 Flats
Fits Motorcraft filters: FL 1A, FL300 and others

Part No. 114379
ID No. C17004
93mm / 15 Flats
Fits GM / AC, V.W. / Audi, Nissan Fram, Purolator, Wix, Champ, Other Major Brands

Part No. 114380
ID. No. C17005
84mm / 15 Flats
Fits many Toyota, Nissan, Honda, Mazda, Subaru, Isuzu factory filters

Part No. 114378
ID. No. C17003
75/79mm / 15 Flats
Fits Fram, NAPA, Other Major Brands

Part No. 114377
ID No. C17002
75/77mm / 15 Flats
Fits GM / AC, Wix, Sears, Other Major Brands

Part No. 114382
ID No. C17007
76mm / 36 Flats
Fits Motorcraft filters FL400A and others

Part No. 114442
ID No. 74/76-15
74/76mm / 15 Flats
Fits 1999-Up Oldsmobile Intrigue with a 3.5L engine and other newer vehicles.

Part No. 114376
ID No. C17001
75mm / 14 Flats
Fits V.W. / Audi, Porsche, B.M.W., Mercedes, Purolator, Champ, Other Major Brands

Part No. 114385
ID No. C17050
73mm / 14 Flats
Fits Toyota factory filter: No. 90915-03002

Part No. 114386
ID No. C17070
68mm / 14 Flats
Fits Mazda filter: No. Jeyo 14302, Feyo 14302 and others

Part No. 114389
ID. No. C17040
Bottom Step 67mm / 14 Flats
Fits Fram part no.'s: PH4386, PH4967, PH6017, PH6018
Top Step 65mm / 14 Flats
Fits Toyota factory filters: No. 90915-03001, 90915-03004
(This step is the same as Part No. 114384)

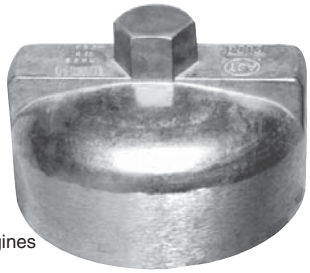
Part No. 114384
ID No. C17009
65MM / 14 Flats
Fits Toyota factory filters: No. 90915 - 03001, 90915 - 03004

LUBRICATION TOOLS

OIL FILTER SOCKETS

Part No. 114640 **ID # TOY640**
14 FLATS, 64MM

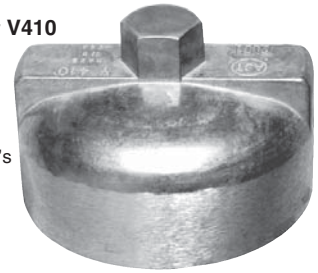
Fits:
- 2012-05 Avalon
- 2013-83 Camry, Corolla (4 cyl.)
- 2013-07 Camry (6 cyl.)
- 2005-00 Echo
- 2013-01 Highlander (4 cyl.), V6 (2011-08)
- 2013-06 Lexus GS300, GS350, ES350, IS250, IS350, RX330
- 2013-03 Matrix
- 2005-85 MR2
- 1997-92 Paseo
- 2013-01 Prius
- 2013-96 RAV4
- 2013-07 RX
- 2006-04 Scion xA
- 2013-04 ScionxB, tC
- 2013-07 Sienna 3.5L
- 2011-99 Solara
- 1998-80 Tercel
- 2013-07 Tundra, V8, 5.7 liter engines
- 2013-09 Venza
- 2013-06 Yaris



Part No. 114444 **ID # V410**
16 FLATS, 86.5MM

Fits:
- 2012-06 BMW N52, N54, N55, N63
- 2006-99 Volvo except '05/'06 40 and 50 Series BMW 3 & 5 Series V6's

Cap style hex drive oil filter wrench, designed to firmly engage the housing, yet not damage it.



Part No. 114446 **ID # 2136**
6 FLATS, 36MM, 3/8" DRIVE

Fits: BMW, Ford, Mercedes and VW 6.0L diesels, Mini Coopers/S and some Volvo's.

Applications:

Fits: BMW M52, M60, M62, M70 and M73
Fits: 6L Ford Power Stroke 2003-2005 Models F250, F350
Fits: Mercedes 604, 605 and 606
Fits: Mini Cooper
Fits: VW/Audi 2.0L Turbo Corrado VR'6 1993/on, Eurovan, Golf R32, VW VR-6 engines, '2005 (newbody 40/50 Series '2007 XC90 3.2L, 2004, Jetta and Passat 2.8L





Part No. 214008
For use on GM Cadillac CTS 2004-2003 and Saturn 2004-2000 engines.



Part No. 114457 **ID # M0284**
14 FLATS, 84MM, 22MM HEX

Fits:
- 2013-07 Dodge Sprinter
- 2008-07 Jeep Grand Cherokee
- 2013-07 Mercedes Bluetec, Various Models
- 2013-07 Mercedes Sprinter



Part No. 114445 **ID # M0219**
(Was: #M0209)
14 FLATS, 74MM

Fits: BMW & Harley Davidson motorcycles Mercedes Benz, Toyota Fits plastic threaded cap on oil filter housing and spin off type filters.

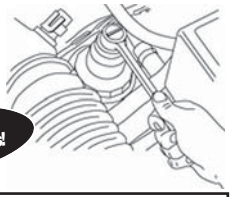
Fits: Toyota, several models with oil filter part #08922-02011, Ford Factory Filter FL910

- 2004 Chrysler Crossfire 3.2L
- 1992-81 Cressida
- 2012-03 Dodge Sprinter 3.5L V6
- 2008-06 Ford Excape Hybrid
- 2007-04 Ford Focus
- 2008-06 Ford Fusion
- 2006-04 Mazda 3 2.3L
- 2009-04 Mazda 3
- 2002 Mercedes G-Wagon G500
- 2006-98 Mercedes V6 & V8
- 1997-91 Previa
- 2004-98 Sienna
- 2001-99 Solara
- 1998-79 Supra
- 1998-93 T100
- 2004-93 Tacoma
- 2004-84 Toyota Avalon & Camry
- 2006-88 Toyota Camry V6
- 1985-83 Toyota Celica & Turbo 1989-88
- 1984 Toyota Corolla (diesel)
- 2002-97 Truck/4 Runner
- 1989-87 Van 4WD/ATM
- 2013-05 VW/Audi Jetta
- 2014-05 VW/Audi - New Beetle
- 2013-09 Audi A4



Part No. 114449
LOW PROFILE,
6 POINT SOCKET, 32MM
3/8" DRIVE SOCKET
Removes & installs oil filters on 2.0, 2.2 and 2.4 liter GM & Saturn engines







NOT FOR USE with an impact wrench

Part No. 114456
15 FLATS, 88MM, 22MM HEX

Fits:
- 2008-06 Entourage
- 2009-05 Hyundai Azerra
- 2009-07 Kia Amanti, Sorento
- 2009-06 Kia Sedona
- 2007-05 SantaFe, Sonata V6

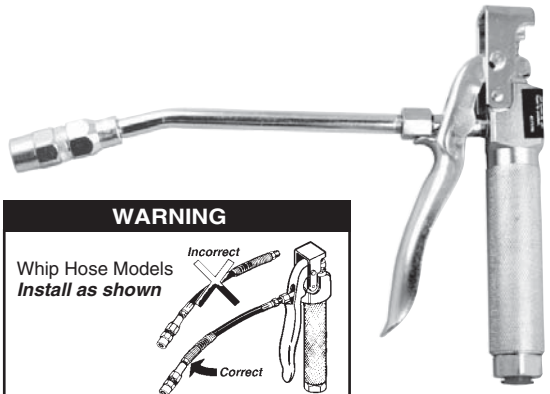
And soon to be released New models of Hyundai and Kia (3.3L)



LUBRICATION TOOLS

LINCOLN HEAVY DUTY HIGH PRESSURE CONTROL VALVE

- 7500 PSI maximum operating pressure.
- Precision-machined, all steel handle, body and guard bracket provides durability and longevity.
- Unique, precision control inlet check valve provides ease of handle operation even with increase in pressure.
- Knurled handle for positive grip.
- Handy trigger guard prevents pinching.
- Reversible inlet check seat and hydraulic jaws provide double life.
- Balanced design reduces user fatigue.
- Lubricant inlet 1/4" NPT (f); outlet 1/8" NPT (f).



WARNING

Whip Hose Models
Install as shown

Part No. 214005
Lincoln 740

HIGH PRESSURE UNIVERSAL SWIVEL

- 1/2"-27(M) X 1/4" NPT (m).
- Use with Part No. 214005 shown above.



Part No. 214006
Lincoln 81387

GREASE JOINT/FITTING CLEANER

Cleans and unclogs grease joints.

The *Grease Joint Rejuvenator* allows clogged grease fittings or joints to take on grease by injecting a light viscosity oil (such as CRC) into the grease joint via the grease fitting, thus breaking up and removing any dirt, rust or debris. The purpose of this tool is to free up the joint, enabling them to be greased.

- Loosens hardened grease in joints.
- Lubricates & frees bearings on automotive, farm, lawn & construction equipment.
- Opens clogged fittings and joints.
- Cleans, replenishes and maintains old & dirty grease fittings.

Easy to operate:
Clean the piston & o-ring before inserting.
Bleed all of the air out of the tool.
Place onto the grease fitting and tap gently with a light hammer.
The piston will eventually move down into the tool body, and indicate that the joint is being opened.



Part No. 214007



INDUSTRY

Farm/Agriculture	
Construction/Excavating Equipment	Oil/Well-drilling
Rental Equipment	Machine Shop Equipment
Trucking/Fleet/Trailer	Home Use/Lawn Equipment
Manufacturing Equipment	Marine Drive Train

LINCOLN FLEX-O-GRIP TM HOSE

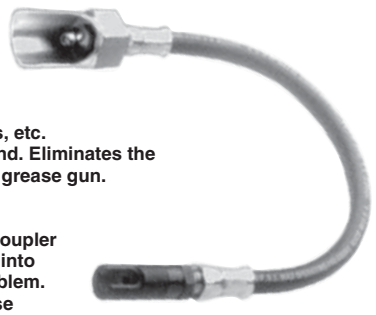
Extensions for power and hand operated grease guns provide a non-slip, push-pull grip - yet prevent accidental kinking which can cause ruptures and shorten hose life.



- Lincoln quality for top performance.
- 3 sizes for all applications - 12", 18", 36".
- Longer sizes necessary to accommodate late model cars.
- Maximum working pressure - 4500 PSI.
- Couplers not included - see page B11-9.

PART NUMBER	LENGTH INCHES	THREAD SIZE INCHES
211508	12	1/8 NPT Male
211509	18	1/8 NPT Male
211510	36	1/8 NPT Male

3 PIECE PROFESSIONAL LUBRICATION KIT



- Allows any mechanic to reach grease fittings in even the most confined areas...especially made for Chrysler K-Car and other front wheel drive cars, etc.
- Snaps on and off in a second. Eliminates the need to change coupler on grease gun.

Kit Includes:
- Right-angle grease fitting coupler which provides 90° access into areas where space is a problem.
- Heavy-duty 12" flexible hose extension with 1/8" NPT fittings to reach around obstructions.
- Quick coupler grease gun adapter pushes on any standard grease gun.

Part No. 114423

LUBRICATION TOOLS

STANDARD DUTY EXTENSION HOSES



1/8" NPT male threaded fitting on each end.
3000 psi working pressure.
For use on hand operated grease guns only.

12" - Part No. 10852
18" - Part No. 10877

21" PUSH-ON FLEXIBLE EXTENSION



Part No. 211283*

LUBRICATION ACCESSORIES

For Mini-Lube and other greasing equipment

Part No. 10863

Standard Coupler
1/8" FPT
spring loaded
check valve.



Part No. 211280*

Push-On Needle Coupler for high-pressure insert fittings and recessed grease fitting.



Part No. 211275

Super Grip Hydraulic Coupler replaces coupler on mini-lube super grease guns and high pressure lube equipment.



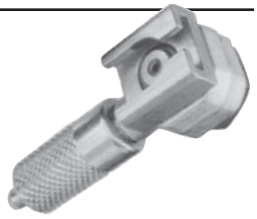
Part No. 211501

Injector needle with standard grease fitting and protective holder.



Part No. 211277*

Push-On Standard Button-Head Coupler with full-head swivel.



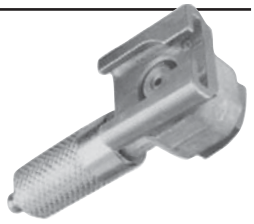
Part No. 211290*

"K" Car Adapter services hard to reach grease fittings.



Part No. 211278*

Push-On Giant Button-Head Coupler with full-head swivel.



Part No. 10861

360° swivel with 12 locking positions 1/8" pipe threads. Rugged, leak-proof design.



Part No. 211279*

Push-On Right-angle Coupler for offside grease nipples.



Part No. 211506*

4" Needle Nose Adapter.
Fits standard couplers with both small and large sleeves.



* Accessories marked with asterisk come with "PUSH-ON" coupler for immediate fit to grease guns.

LUBRICATION TOOLS

LINCOLN KLEENSEAL®

The best name in lubricating equipment and accessories.

Model 213291

For lubricating recessed fittings where obstructions will not permit use of hydraulic coupler. Includes extension nozzle and locking sleeve.

Lincoln 5855



Part No. 213291

Model 213292

For contacting hard-to-reach fittings and flush type fittings. Includes needle nozzle and locking sleeve.

Replacement needle nozzle Part No. 213297

Lincoln 82784

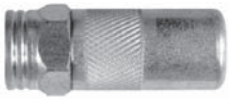


Part No. 213292

Model 213288 Small Diameter Hydraulic Coupler

For use with all hydraulic type grease fittings. Small outside diameter permits easy contact with recessed fittings. Has replaceable hardened steel jaws and built in ball check. Inlet 1/8" NPT female.

Lincoln 5852



Part No. 213288

Model 213289

For contacting hydraulic fittings - inlet 1/8" NPT female. Ball check prevents leaks when coupler is not in use. Jaws within coupler are actuated by lubricant pressure and grip fitting for positive, leakproof seal. Hardened steel jaws are reversible for double service life.

Lincoln 5845



Part No. 213289

Model 213298 Coupler Adapter

Swivels in full 3600 circle and locks in any one of eight 450 positions. Adjustable coupler section assembled with a 450 body permits contact with fittings in reverse position. Angle body has 1/8" NPT female inlet for addition of pipe extension.

Lincoln 5848



Part No. 213298

DIFFERENTIAL PLUG EXTRACTOR

- **For removing differential plugs which have "Rounded Out".**
- **Fits 1/2" plug with 3/8" square hole.**



Part No. 213649

55 GALLON DRUM DRAIN FUNNEL

- **Designed to transfer liquids into a 55 gallon drum.**
- **Eliminates overspills while pouring.**
- **Large surface area permits drainage of multiple containers simultaneously.**
- **Heavy duty plastic for long lasting durability.**
- **Four graduated circular indentations fit different size oil filters.**

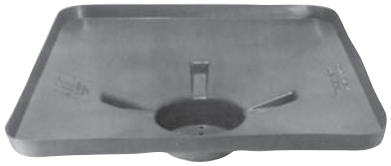


Part No. 113309



TRANSMISSION DRAIN FUNNEL

- **Heavy duty plastic lift drain funnels extends the catch area of any lift drain.**
- **Funnel catches any loose parts.**
- **Dimensions: Part No. 113323 - 22" x 23"**



Part No. 113323

LUBRICATION TOOLS

GREASE GUN

Working pressure of 10,000 lbs.
Handles grease cartridges or bulk grease



Part No. 10850

SUCTION & OIL GUN



Quality made by Lincoln.

This gun provides a fast, clean method for removing and adding transmission and gear oil. Use to take engine oil sample for analysis. Linpak® follower is precision fitted to barrel and impervious to oil and water. Large 20 oz. lubricant capacity with flexible nozzle for transmission, differential and oil filter service. Finished in rust resistant blue enamel.

Part No. 213299

GREASE FITTING EASY-OUT TOOL



Removes 5/16" and 3/8" hex.
Retaps 1/4-28 std. thread
Removes 1/4-28 std. thread.

Part No. 10880

RIGHT ANGLE LUBE ADAPTER



Part No. 211511

- **New design.**
- **The best solution for hard-to-reach fittings.**
- **Especially good for late model Chrysler K-Car and other front wheel drives.**
- **Works where others fail.**
- **Fits all standard grease guns.**

LINCOLN MODEL 1133 GREASE GUN



- **Fast, one-handed operation with similar features and benefits of Lincoln lever-type grease guns.**
- **With 18" whip hose and coupler.**
- **Includes 5" extension with coupler.**

Part No. 111133

LINCOLN MODEL 1134 GREASE GUN



Part No. 111134

- **Extra heavy-duty grease gun.**
- **Cast head design with jam proof handle return mechanism.**
- **Pressure: 7,500 P.S.I.**
- **Includes both 18" whip hose with coupler and 6" rigid tube.**
- **Variable stroke allows a high pressure option for high tolerance applications.**
- **Includes combination air bleeder/filler nipple to bulk fill & easily release trapped air.**

AIR GREASE GUN



Part No. 108625

With Pipe and Coupler

One-handed grease gun that delivers 1,500 to 6,000 PSI each time the trigger is pressed when attached to a compressed air supply of 30 to 160 PSI (2 kglem to 10 kglem).

This item is warranted by the factory only: DO NOt give defective tools to your Agents, return them to the factory. Return instructions are packed with every tool.

PISTOL GREASE GUN

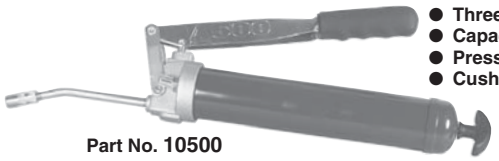
With Rigid-Pipe Extension & Standard Coupler with Check Valve



One hand operation frees the other hand for easy lube jobs. Precision pump develops up to 6000 PSI. Easy three-way loading by standard 14oz. cartridge, suction filled, or by grease gun filler.

Part No. 113400

ALEMITE STANDARD DUTY GREASE GUN



Part No. 10500

- **Three way loading.**
- **Capacity: 16 oz.**
- **Pressure: 10,000 P.S.I.**
- **Cushion grip handle.**

LINCOLN MODEL 1142 GREASE GUN



Part No. 111142

- **Lube capacity 16 oz. bulk.**
- **14.5 oz cartridge.**
- **Pressure: 10,500 P.S.I.**
- **Includes coupler and 6" rigid tube.**
- **Handy three way loading.**

LINCOLN MODEL 1147 GREASE GUN with 18" HOSE

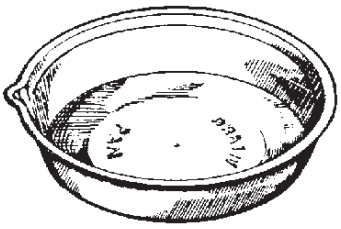


Part No. 111147

- **Heavy-duty Lever action with 18" flex hose.**
- **Exclusive "Flip-Over" follower allows a superior seal for either cartridge or bulk loading applications.**
- **Pressure: 10,500 P.S.I.**
- **Includes coupler and 6" rigid tube.**
- **Extra-heavy follower spring insures positive priming and uninterrupted pumping action.**
- **Easy cleaning.**

LUBRICATION TOOLS

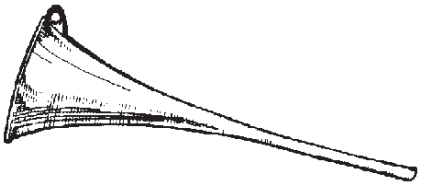
6 qt. DRAIN PAN



- Polyethylene
- 6 quart capacity to the brim
- 4'' deep
- 14'' wide to spout

Part No. 114426

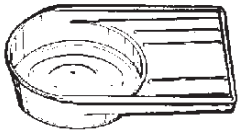
ALL PURPOSE SUPER FUNNEL



- Polyethylene 5'' wide at mouth.
- 9/16'' wide insert end.
- 17-1/4'' long.

Part No. 114430

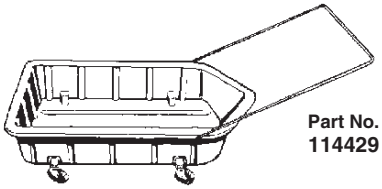
30 qt. MULTI-DRAIN TUB



Part No. 114428

30 Quart, all purpose, heavy duty, plastic drain tub. For draining radiator, crankcase, transmission, differential. Accommodate autos and trucks. Apron for washing and sorting parts. Designed for easy pouring and disposal. Handy when lift drains are in use, or unavailable. A professional's tool. 33'' x 22'' x 8''.

60 QT. SUPER TRUCK DRAIN ON WHEELS



Part No. 114429

A rugged heavy duty plastic tub for draining a large capacity crankcase. Resistant to corrosives found in oils. Holds 60 quarts to the rim. Heavy duty casters fit into built-in fasteners for maneuverability. Sturdy formed wire handle for easy moving. Overall height 101/2'', width 191/2'' I.D. and length 321/2'' I.D. to pour spout.

SUPER COLLECTOR™, SPILL-PROOF DRAIN PAN

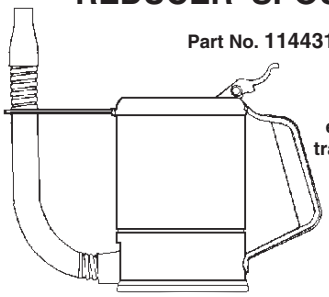
Holds 18 quarts of oil, anti-freeze, water, chemicals or solvents.



Part No. 114433 - 4-1/2 gal.

HEAVY DUTY 5 QT. OIL CAN WITH FLEX SWING SPOUT & REDUCER SPOUT

Part No. 114431



Good for engine oil, transmission fluid etc.

DRUM DOLLY

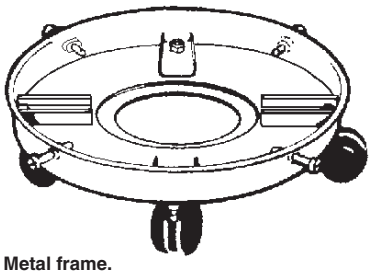


Moves 55 gallon steel and fibre drums.

- Welded steel construction - prevents frame failure.
- Bolted caster for easy replacement.
- Reinforced outrigger design gives greater load stability and caster life.
- 23-1/2" I.D., 6" high, 900 LB. capacity.

Part No. 211480

DRUM TROLLEY



- Metal frame.
- Four caster.
- Fits 35 lbs. (5 gal. pail)

Part No. 211289

5 QT. PLASTIC LIQUID MEASURE W/FLEX SPOUT



- Flex spout included.
- Made of durable white plastic material.

Part No. 113005

WATER NOZZLE

For attaching to water service hose.
Thumb-action trigger.
Has 1/4" NPT female inlet.

- No drip.
- Flexible spout.
- Smooth flow.
- Great for lube shops.

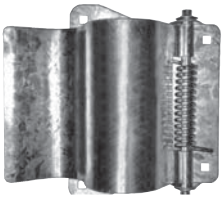


Part No. 213349

HEAVY DUTY BRACKET

Use for grease and suction guns.

- Heavy duty industrial strength spring.
- Mounts to any surface.
- Galvanized steel construction.
- Find tools quickly and easily.
- Used by mechanics, construction, shop workers and farmers.



Part No. 10501

PSS072915

G16

BATTERY SERVICE TOOLS

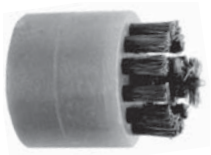
WIRE TERMINAL BRUSH



- Cleans battery posts and cable terminals.
- Steel case with knurled grip.

Part No. 11346

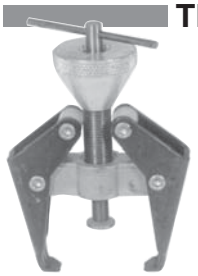
SIDE TERMINAL BRUSH



- Cleans side terminal battery post without removing battery from vehicle.
- Also cleans cable terminal end.
- Use by hand or attach to 1/4" driver.

Part No. 213382

TERMINAL PULLER



- Removes clamps without damaging posts.
- Jaws lock under clamp - won't slip off..

Part No. 11390

PROFESSIONAL BATTERY TESTER



- Direct reading scale shows exact specific gravity.
- Temperature compensating for hot or cold batteries. No compensation chart necessary.

Part No. 113124

EXTRA HEAVY DUTY FLEET BOOSTER CABLES



- 2 gauge, 100% copper.
- Parrot-type 500 amp color coded clamps with serrated jaws.
- Single leads for greater flexibility.
- Thermoplastic rubber insulation resists oil, grease and abrasion.

Part No. 222174 - 20 foot

PROFESSIONAL TANGLE-FREE HEAVY DUTY BOOSTER CABLES



- 4 gauge, 100% copper.
- Color coded red and black clamps.
- Extended double jaws fit post terminal and side terminal batteries.

Part No. 11201 - 12 foot

Part No. 11202 - 20 foot

TERMINAL CLEANER & RESHAPER



- Stainless steel brush cleans post battery terminals.
- Stainless steel blades clean and reshape post style cable terminals.
- Tough polyethylene case fits either end for safety.

Part No. 213381

TERMINAL CLEANER & RESHAPER

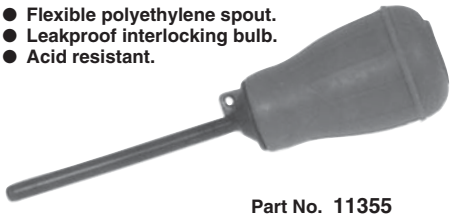


- Spring steel blades recut correct taper on positive and negative posts, leaving a polished finish.
- Stainless steel reamer blades clean and reshape terminals.

Part No. 11338

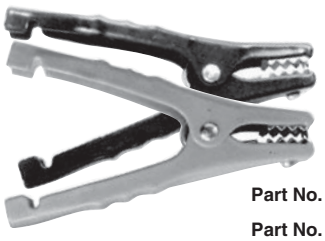
BATTERY FILLER

- Flexible polyethylene spout.
- Leakproof interlocking bulb.
- Acid resistant.



Part No. 11355

REPLACEMENT CABLE CLAMPS



- Set of two color coded clamps.
- Designed to fit top-post and side terminal batteries.
- Plastisol insulation - shock proof and chip-proof.

Part No. 222170 - 500 amp

Part No. 222171 - 800 amp (illustrated)

BATTERY FILLER



• QUALITY MADE IN THE USA •

This safe and easy-to-use acid resistant battery filler is made of super tough polyethylene plastic and features an automatic shut-off to prevent overfilling. A double action fast flow valve to prevent after-drip and stops surface discharge caused by a wet battery. 2-1/4 quart capacity.

Part No. 213217

REPLACEMENT VALVE TIP AVAILABLE
Part No. 213237

MEMOR-EZE



Part No. 113101

Automotive computer memory unit.

- Allows vehicle battery to be disconnected without loss of memory on radios, clocks, and computer functions which control driving ability.
- Retains settings up to 4 hours.
- Will not power any lights, hood dome or others.
- Easy to use; Plugs into cigar lighter.
- Use a fresh 9 volt alkaline battery for long battery life. (NOT INCLUDED)

BATTERY, ELECTRICAL, IGNITION SERVICE TOOLS and FUEL & VACUUM TOOLS and LEAK DETECTION

BATTERY CLEANER and PROTECTOR

Two products in one can, cleans and protects batteries.

- Eliminates rust and corrosion.
- Penetrates, dissolves and neutralizes corrosion and acid build-up on all storage batteries.
- Leaves protective seal against future corrosion build-up.
- Increases electrical conductivity and prolongs battery life.



NEW EPA Compliant Formula No MCL, CFCs or Trichloroethane



Part No. 13139 (24)
14 oz. net wt. (397 g)

BATTERY MAINTENANCE KIT

Everything for cleaning & maintaining battery terminals.

- 4-in-1 Battery Terminal Cleaner
- 5/16" Side Terminal Ratchet
- 10mm Side Terminal Ratchet
- 5/16" Extra Long Side Terminal Ratchet
- Battery Pliers
- Battery Terminal Spreader / Cleaner
- Battery Terminal Puller
- Roll Up Pouch Included



7 PIECE SET

Part No. 11360

TERMINAL EXTRACTOR PICKS

Part No. 113747 Narrow Blade (.050) OE: 12012000



Part No. 113748 Wide Blade (.090) OE: 8913369

- Used to release locking tang on automotive terminals. Allows removal from insulated housing or terminal block.
- 113747 used with Pac-Con, small Metri-Pack & ECM terminals.
- 113748 used with 56 series, and large Metri-Pack terminals.

GM WEATHER-PACK TERMINAL EXTRACTOR TOOL

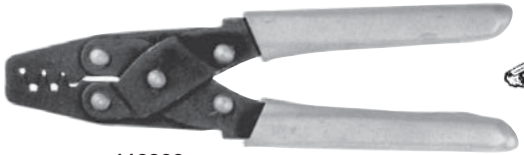
Part No. 113746
OE: 12014012



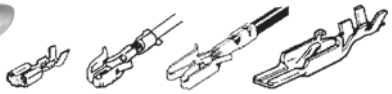
- Ultra-thin, hollow center.
- Releases Weather-Pack automotive terminals from connector housing by depressing both retention barbs.
- Conforms to GM 12014012.

OPEN BARREL TERMINAL CRIMPING TOOL

- Five machined and hardened crimp stations for 24 to 14 gauge wire terminators.
- Parallel jaws eliminate faulty crimps due to accidental jaw cocking during crimp cycle.
- Made by same company that makes Packard Crimp Tools.
- Includes complete instructions.



Part No. 113300



- Duplicates factory crimps on open barrel terminals. Used in automotive, computer and control applications.

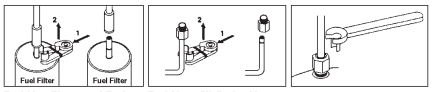
G16

FUEL / TRANSMISSION / AIR CONDITION DISCONNECT SET

- Use on fuel line, oil cooler and transmission lines.
- Comes in a handy blow-molded case. Instructions are bi-lingual.

Contains:
Fuel Line Disconnect Tools
Sizes: 5/16", 3/8" and 1/4"
Oil Cooler Line DIsconnect Tool
Fuel Line Coupling Tool
Ford & Mercury Oil Cooler Line Disconnect Tool
Ford & GM Quick Disconnect Tool





Fuel Line Disconnect Tool | Fuel Line, Oil Cooler Line, and Transmission Cooler Line disconnect Tool | Oil Cooler Line Disconnect Tool



Part No. 113444

FUEL LINE DISCONNECT TOOL

- Scissor-like design allows for easy, damage-free fuel line quick connect coupler release.
- Fits 5/16" or 3/8" fuel lines found on GM, Ford, and Chrysler vehicles.
- Durable metal construction.



Part No. 214004

DYES - 1 oz. bottle

PART NUMBER	QTY	FOR USE IN CHECKING THIS SYSTEM
213492	6	Gasoline Engine Oil
213494	6	ATF
213496	6	Coolant
213090	6	Air Conditioning, R134A PAG Systems
213091	6	Air Conditioning, R134A Ester Systems

ENGINE SERVICE TOOLS

COOLANT TEST STRIPS

Tests freezepoint/boilpoint and coolant ph levels protection in just 15 seconds.



- Determines protection against freeze-up and boil-over, which can cause leaks and damage to the water pump, head gasket and other cooling system components.
- Quickly tests both ethylene and propylene glycol - based coolants, in just a matter of seconds. Hydrometers do not accurately test propylene glycol.
- Identifies cooling system service opportunities.
- Prevents costly repairs in fleet maintenance.
- Assists in coolant recycling. Tests for proper protection levels before and after recycling. Tests quality when purchasing recycled coolant.
- Not recommended for use with red or orange dyed coolants.
- Satisfactory range is 7.5 to 10.

Part No. 113102 50



- Fast & accurate results with either conventional or long life coolants.
- Regular testing of anti-freeze coolant minimizes downtime & it's associated cost.
- Measures the freeze-point, reserve alkalinity & PH when used with long life/extended life coolants such as Dexcool®.
- Color chart shown on bottle.
- 70 strips per bottle.

Part No. 113115 70

RADIATOR CAP PLIERS

- Removes radiator caps quickly.
- Perfect for closed system caps in tight areas.
- Engage pliers over cap, press down and turn.



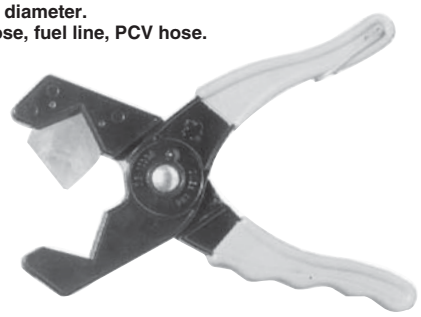
Part No. 113540

DYNA-CUTTER

- Cuts rubber or plastic hose in seconds.
- Cuts hose up to 1-1/8" diameter.
- Excellent for heater hose, fuel line, PCV hose.

Replacement blades available, 2 per pack.

Order Part No. 113149 2



Part No. 113148

ANTI-FREEZE TESTER

- Direct reading style in "Fahrenheit and Celsius".
- Temperature compensating.
- Tests ethylene gycol type solutions.



Part No. 113123

HOSE CLAMP PLIERS

- Removes wire type hose clamps.
- Special slots will not slip off clamp.
- Works at a 90° angle or straight.



Part No. 113420

ANTI-FREEZE/COOLANT TESTER

Tests permanent anti-freeze, hot or cold-accurate at any temperature from +200°F. to -34°F:discs are perfectly compensating.



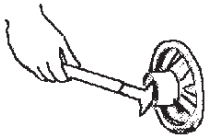
- 6 floating disc-5 show degree of protection: 6th disc shows not safe (too much anti-freeze)*.
- Break resistant SAN Plastic Tube.
- Easy to read-Convex tube magnifies discs when solution is drawn into tube.
- Gradings in celsius and fahrenheit.

Part No. 113122

SEAL PULLER

Pops the seal every time...FAST and EASY





Simply insert the tip of the tool behind the oil or grease seal, press and pull.
Leverage works for you.
No more pounding, hammering and digging that might damage bearings. The right tool for the job.
Two size tips reach in and fit nearly all seal applications.

Part No. 213283

ENGINE SERVICE and EXHAUST TOOLS

SERPENTINE BELT WRENCH SET

- Will service approximately 85% of all vehicles with serpentine belts having a spring loaded tensioner pulley.
- Ratcheting wheels allow quick, easy indexing of wrench driving end to allow user to approach the tensioner from any accessible angle.
- Wrenches fit tensioners requiring 13mm (1/2"), 14mm, 15mm, 16mm (5/8"), and 18mm hex, and 3/8" and 1/2" square drive sizes to service most applications. Sold as a 2 piece set only.
- Slim head design allows access to tight areas found in the tensioned area on some front wheel drive vehicles.



Part No. 114414

WINDSHIELD WASHER SOLUTION HYDROMETER



- Accurately tests the freezing point of methanol/water and windshield washer solution.
- This unbreakable hydrometer gives an instant freeze protection reading.
- Complicated temperature adjustments are unnecessary.
- This hydrometer will save you money and is E-Z to use.
- Specially formulated plastic will not react with methanol, giving years of easy-to-read service.

Part No. 113446

RADIATOR DRAIN COCK SOCKET

Eliminates twisting or breaking of drain cock ears.



- Special slotted socket fits over drain cock ears.
- Use 3/4'' wrench or screwdriver to turn socket.
- Opens the tightest drain cock without breakage.
- Fits brass or nylon drain cock.
- 2'' overall length.

Part No. 213110

CYLINDER HONE

- 3 stones provide more cutting surface, assure quick removal of cylinder glaze.
- Adjustable stop-collar permits quick selection of two range settings, from 2" to 4" & from 4" to 7".
- Operates with any electric drill.
- Comes with one set of 220 grit stones.

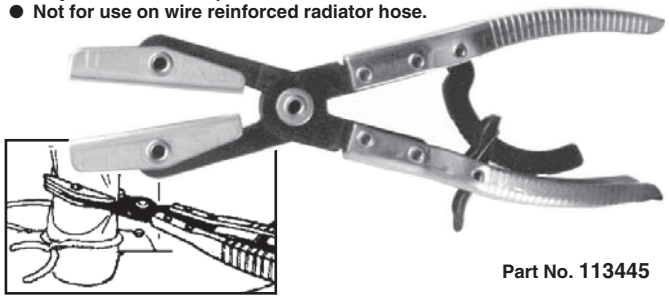


Part No. 213277

REPLACEMENT STONES, 220 GRIT
Part No. 213278

HOSE PINCH-OFF PLIERS

- No need to drain system when changing thermostats. Save coolant – save time.
- Jaws swivel for parallel clamping. Heat treated, steel arms automatically lock with locking ratchet.
- May also be used to pinch off vacuum lines.
- Not for use on wire reinforced radiator hose.

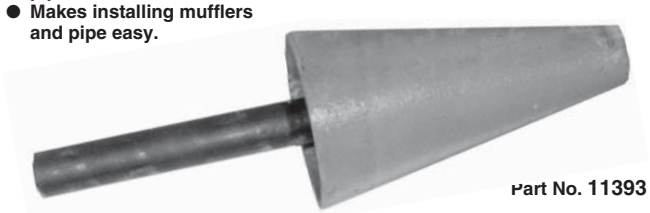


Part No. 113445

EXHAUST PIPE SHAPER

Rounds out crushed or bent exhaust and tailpipes.

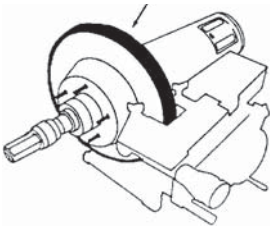
- Works equally well inside pipe or outside.
- Makes installing mufflers and pipe easy.



Part No. 11393

BRAKE REPAIR TOOLS

UNIVERSAL SILENCERS - *FOR SOLID ROTORS*

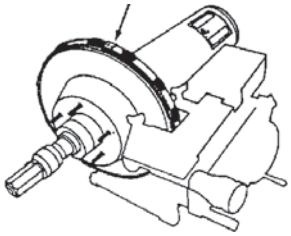


- **Black super-flex rubber for long life, superior vibration and chattering suppression.**
- **May be used with all brands of brake machines.**

PART NUMBER	DESCRIPTION
FOR SMALL DOMESTIC & IMPORTS	
113346	Small super-flex silencer band - 3/8 x 1/4 x 6-1/2 dia.

PART NUMBER	DESCRIPTION
FOR MID-SIZE & FULL-SIZE	
113347	Large super-flex silencer - 3/8 x 1/4 x 9 dia.

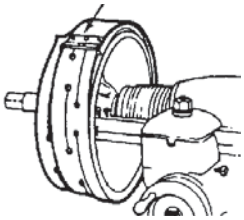
ACCESSORIES FOR AMMCO BRAKE MACHINES



- **Band compounded of natural rubber for long life and excellent elasticity.**
- **Adjustable buckle for best fit.**
- **Fits any ventilated rotor.**
- **Lead weight inserts effectively deadens vibration and chatter.**

Rotor Silencer, replaces Ammco #6920
Part No. 113348

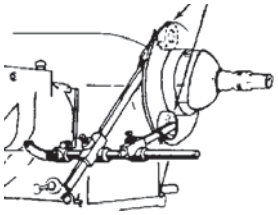
DRUM SILENCER



- **ExFits any size passenger car drum.**
- **Natural rubber for long life and excellent elasticity.**
- **Strong Resisto-Plated buckle for a secure fit.**
- **Heavy 1-3/4'' wide, 3/16'' thick, 72'' long band effectively deadens vibration and chatter.**

Drum Silencer, replaces Ammco #5280
Part No. 113349

ROTOR SILENCER PADS



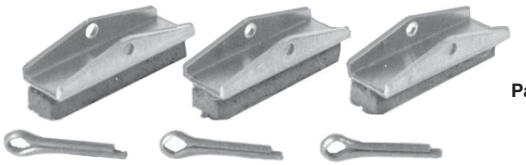
- **For use with any size rotor - especially good for thin, non-ventilated rotors.**
- **Two pads used per machine.**
- **Tough high friction material with a strong thermotemp mount.**
- **Easily snaps on Ammco #7075 disc silencer.**
- **Packed 1 pair per box.**

Rotor Silencer Pad, replaces Ammco #9183
Part No. 113350 1 pr

G16

CYLINDER HONE PADS

- **ExStones are cemented with epoxy cement which is impervious to brake fluid.**



Part No. 11383

DRUM BRAKE CYLINDER HONE PADS

- **ExStones are cemented with epoxy cement which is impervious to brake fluid.**



Part No. 11381

BRAKE LATHE SILENCERS

Chatter depressing, chip deflecting clamping silencers.



For use with On-The-Car RTI and Pro-Cut brake lathes.
Part No. 113010 (Shark 71B)



Use with any rotor off the car and some on-the-car models.
Part No. 113014 (Shark 70B)

CYLINDER HONE

- **ExFlexible shaft works right on the car.**
- **ExWorks with any electric drill.**
- **ExFits all cylinders from 3/4'' to 2''.**



Part No. 11382

ON-THE CAR CARBIDE BRAKE LATHE BITS

POSITIVE RAKE
Fits All Tool Model 747, Hunter BL500, 501, Performance 8711.

Part No.
113011 (10) (Shark 065)



POSITIVE RAKE
Fits Pro-Cut 50-741, Pro-Cut 50-742.

Part No.
113012 (10) (Shark 069)



MICRO-ROUND
Fits Hunter On-The-Car lathe model OCL360

Part No.
113013 (10) (221-626-3)



BRAKE REPAIR and TIRE/WHEEL REPAIR TOOLS

BRAKE DRUM AND ROTOR CUTTING BITS

- Special alloy steel resists wear and breakage for longer life and more work per bit.
- Outlasts ordinary carbide bits.
- Extra fine precision ground superalloy cutting edge provides longer life.
- Each Ammco bit has six cutting edges (12 cutting points).

FOR AMMCO MACHINES

Replacement Bits Fit AMMCO Models: 3000, 4000, 4100, 6900, 7000 and 7700.

AVAILABLE IN TWO TYPES:

Superalloy Cutting Bits
Replaces Ammco #6914

Part No. 113340 (12) (Shark 062)



Titanium Nitride Coated Cutting Bits outlast competitive bits up to 500%
Replaces Ammco #6914-2

Part No. 113343 (12) (Shark 062C)



SUPERALLOY CUTTING BITS

FOR F.M.C. MACHINES

Fits all F.M.C. machines, for use with right and left hand tool holders each bit has 3 cutting edges, replaces F.M.C. #487, 90487.

Part No. 113341 6 (Shark 407)



FOR KWIK-WAY MACHINES

Fits Kwik-Way machines model SDL, old model DL and 850 disc brake attachment, Lin-Otronics and Rotunda, each bit has 3 cutting edges, replaces Kwik-Way #109-1092-07.

Part No. 113342 6 (Shark 802)
*Also available in packs of 10.



FOR ACCU-TURN MACHINES

Fits Combination disc/drum lathe for discs.

Part No. 113352 5 (Shark 060)



ROUND CARBIDE BITS



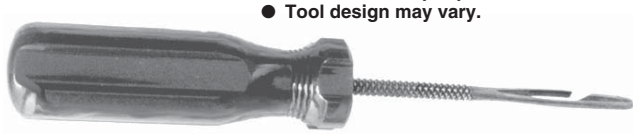
Part No.113008*
Round Carbide Bits

- Especially designed to dramatically improve cutting and surface finish on Ammco and other Brake Lathes.
- New, longer-life carbide bits offer added cutting edges compared to regular bits.

*Now available in both a six and ten pack.

E-Z STRIP REPAIR NEEDLE

- Makes installation easy.
- Use with all strip repair material.
- Tool design may vary.



Part No. 715327

TIRE STRING REPAIR NEEDLE

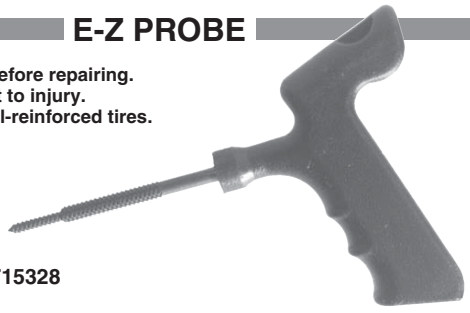
- Closed-eye.



Part No. 715334

E-Z PROBE

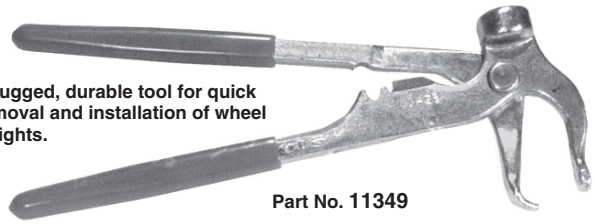
- Cleans injury before repairing.
- Applies cement to injury.
- A must for steel-reinforced tires.



Part No. 715328

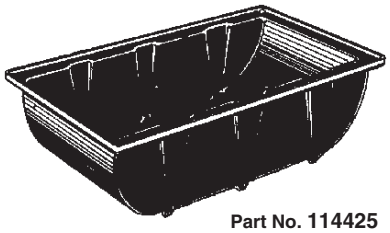
WHEEL WEIGHT TOOL

- A rugged, durable tool for quick removal and installation of wheel weights.



Part No. 11349

DUNK TANK



Part No. 114425

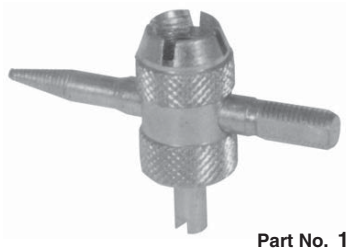
- Heavy duty plastic.
- For tire and tube test.
- Tank features pyramid type ribs for extra support to prevent bowing.
- Will handle passenger tire sizes to wide oval and light duty truck tires. 31'' x 12'' x 12''.

REFER TO SECTION H11 FOR RELATED ITEMS.

TIRE/WHEEL REPAIR TOOLS

NOTE: See page B11-2 & 3 for additional tire items.

TIRE VALVE REPAIR TOOL



Four tools in one! Extracts damaged cores. Reconditions inner and outer valve threads. Inserts valve cores.

Part No. 11345

VALVE CORE TOOL

COMBINATION LARGE BORE & STANDARD

For easy removal and insertion of valve cores. One end for large bore valve cores, and the other end for standard valve cores.



Part No. 113840

TUBE DEFLATOR TOOL



For fast complete deflation of all inner tubes (trucks, tractors, buses and passenger cars.) Screw into valve stem and apply air chuck to threaded inlet for instant siphoning of air from tube.

Part No. 113844

VALVE FISHING TOOL

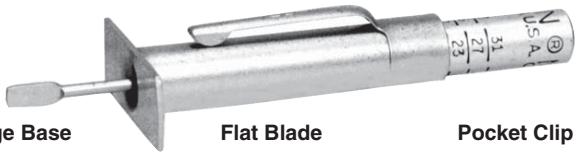


Valve insertion tool, tube deflator and core remover, all in one handy tool. Made with strong flexible steel cable. Designed to align and/or seat valve stem through rim hole.

Part No. 113842

TIRE THREAD DEPTH GAUGE

The accurate and convenient way to measure the depth of all tire threads. Round aluminum indicator bar calibrated from 0 to 1" in 1/32" markings. A must for determining remaining tire life.

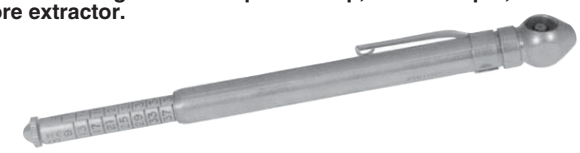


Large Base Flat Blade Pocket Clip

Part No. 113843

TIRE PRESSURE GAUGE

Passenger car gauge. Designed for economy and accuracy. Calibrated 6-50 lbs. Easy to read metal bar. Triple chrome plated. New design includes pocket clip, deflation pin, and valve core extractor.



Part No. 11350

TIRE PRESSURE GAUGE

Precision engineered service gauges provide accurate, long life trouble free performance. Plated brass tube and 4 sided nylon indicator bar. Calibrated 2 sides 10 to 160 PSI, in 2 lb. increments and 2 sides 80 to 1100 kPa, in 20 kPa units.



Part No. 11351

STRAIGHT FOOT, DUAL HEAD CHUCK SERVICE TIRE GAUGE

For inner style duals.



Part No. 11986

TUBELESS TIRE VALVE INSERTING TOOL

Designed to quickly and easily install any snap-in tubeless tire valve.



Part No. 715331

E-Z PLUG GUN



- The fastest, easiest way to repair most punctures "on" or "off" the wheel.
- For best results, use our 5/16", 3/8" & 7/16" repair plugs.
- Complete with two nozzles.

Replacement nozzles only:
715203 - Small for 5/16" & 3/8" plugs
715204 - Large for 7/16" plugs

Part No. 715205

G16

KEY BLANK ACCESSORIES

STD. KEY RING

For ringing duplicate keys.

Part No. 915025 250
7/8" diameter



- **Manufactured of galvanized spring wire.**

BRASS KEY TAG

For easy identification of keys.

- **100% solid brass.**
- **.040 inches thick.**

PART NUMBER	OD (INCHES)	QTY
915026	1	50
915037	1-1/4	50
915038	1-3/8	50



H.D. KEY RINGS

For ringing duplicate keys.

PART NUMBER	DIA. (INCHES)	QTY
915024	7/8	50
915031	1	50
915032	1-1/8	50
915033	1-1/4	50
915034	1-1/2	50

- **High quality nickel plated steel.**
- **Two full turns of steel.**

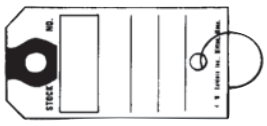


GENERAL PURPOSE TAG

Ideal for auto dealers, marinas, apartments, hotels, motels, service stations & stock keys. Tags merchandise, equipment, inventory, stock & keys.

PART NUMBER	COLOR	QTY
915028	Yellow	250
915029	Blue	250
915030	Green	250

- **Heavy weight paper stock.**
- **Complete with metal ring.**
- **1-3/8" X 2-3/4".**

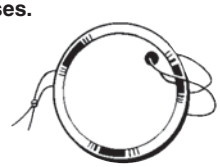


UTILITY TAGS

Used for tagging keys, pricing, and a multitude of other tag uses.

- **1-1/4" diameter.**
- **Metal rim, paper centers.**
- **Complete with knotted loop string.**

Part No. 915027 100



NYLON KEY DEBURRING BRUSH

- **Protects against annoying finger scrapes and cuts.**
- **Will not wear or distort the cut depths.**

Outside diameter: 3"
Hole diameter: 1/2"

Part No. 915006



CUTTER WHEEL

- **Hole I.D. 1/2".**
- **O.D. 2-1/4".**

Part No. 915002*

*Both items for use on ESP Machine, Micro Mac 88 & Ilco Mini-Mite



KEY ASSORTMENTS WITH DISPLAY BOARD

DISPLAY BOARD (ONLY)

- **Comes with 28 Hooks.**
- **Free standing.**
- **Available separately and in assortments.**

Order Part No. 915001

See following pages for individual key blanks and applications.



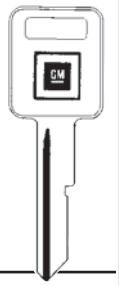
DOMESTIC AUTO KEY BLANKS

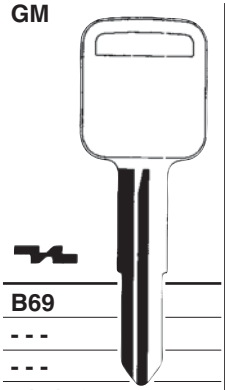
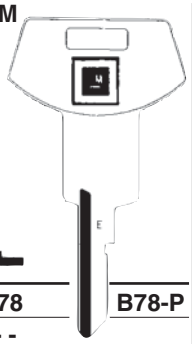
KEY ILLUSTRATIONS ARE NOT ACTUAL SIZE.

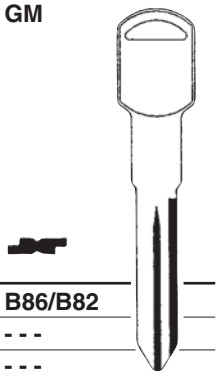
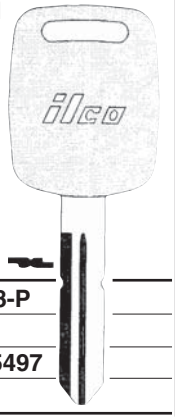
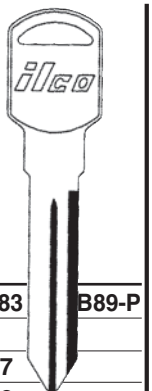
GENERAL MOTORS / FORD / CHRYSLER / AMERICAN MOTORS

- Available 3 ways -

- OEM Style - When the look of a key is important, use Our OEM style keys. GM keys are genuine OEM; AMC, Chrysler and Ford are exact replacements.
- OE Style with rubber head - where available.
- Standard replacement - the economic alternative.
- All of our keys are solid brass & nickel plated.

CAR MAKE	GM	GM	GM	GM	GM
					
INDUSTRY NO.	B44 (E)	B45 (H)	B48 (A)	B49 (B)	B50 (C)
OEM STYLE	915419	915421	- - -	- - -	- - -
OE RUBBER HEAD	915495	915496	915413	915417	915410
STD REPLACEMENT	915101	915102	915105	- - -	915107

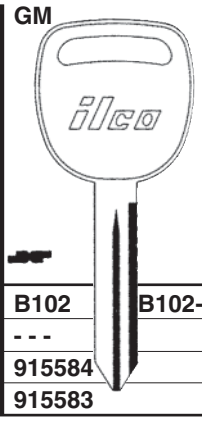
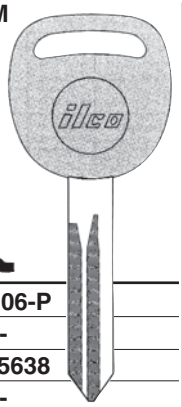
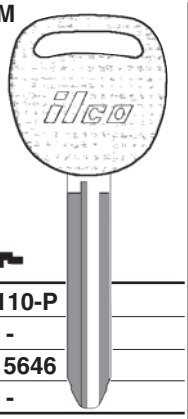
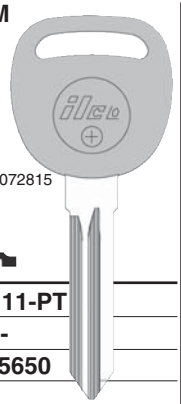
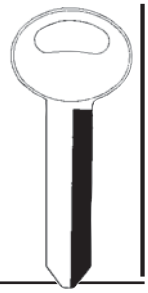
CAR MAKE	GM	GM	GM	GM	GM
					
INDUSTRY NO.	B65	B69	B78 B78-P	B79	B82-P/B86
OEM STYLE	- - -	- - -	- - -	- - -	- - -
OE RUBBER HEAD	- - -	- - -	- - -	- - -	915501
STD REPLACEMENT	915157	915158	915463	915464	- - -

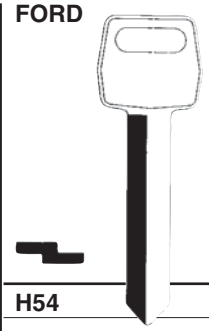
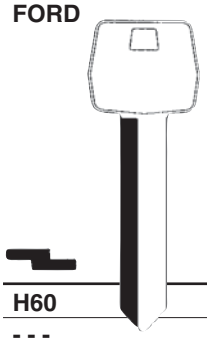
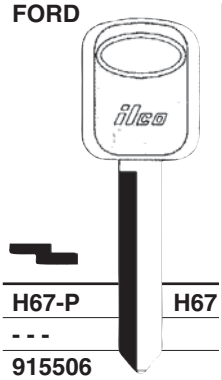
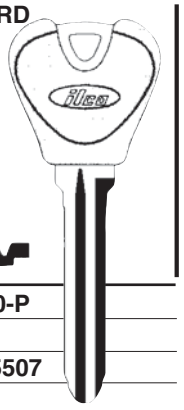
CAR MAKE	GM	GM	GM	GM	GM
					
INDUSTRY NO.	B86/B82	B88-P	B89/B83 B89-P	B91 B91-P	B96
OEM STYLE	- - -	- - -	- - -	- - -	- - -
RUBBER HEAD	- - -	915497	915577	915578	- - -
STD REPLACEMENT	915529	- - -	915576	915560	915562

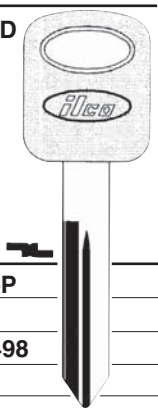
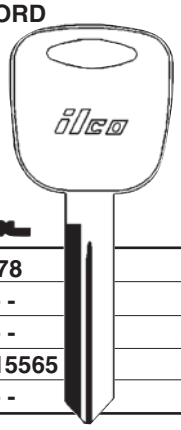
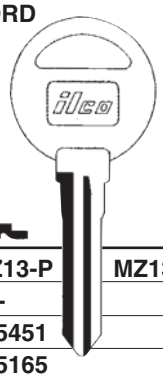
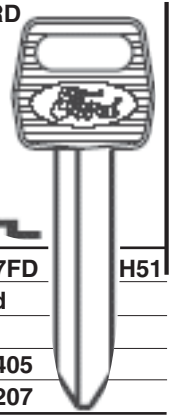
"P - SHOWS THAT THE KEY COMES WITH OE STYLE PLASTIC HEAD."

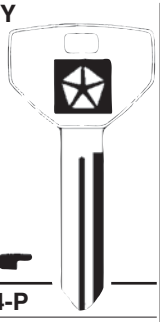
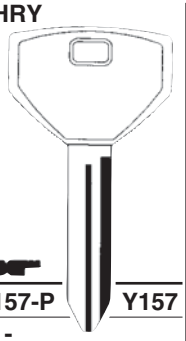
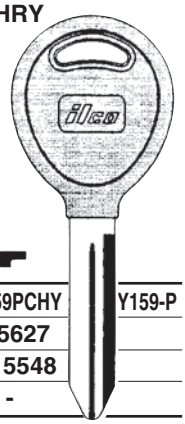
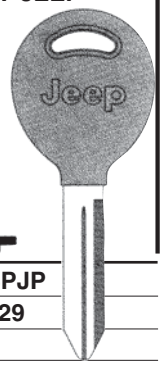
KEY ILLUSTRATIONS ARE NOT ACTUAL SIZE.

DOMESTIC AUTO KEY BLANKS

CAR MAKE	GM	GM	GM	GM	FORD
					
INDUSTRY NO.	B102 B102-P	B106-P	B110-P	B111-PT	H50
OEM STYLE	- - -	- - -	- - -	- - -	- - -
RUBBER HEAD	915584	915638	915646	915650	- - -
STD REPLACEMENT	915583	- - -	- - -		915111

CAR MAKE	FORD	FORD	FORD	FORD	FORD
					
INDUSTRY NO.	H51	H54	H60	H67-P H67	H70-P
OEM STYLE	- - -	- - -	- - -	- - -	- - -
RUBBER HEAD	- - -	- - -	- - -	915506	915507
STD REPLACEMENT	915112	915432	915490	- - -	- - -

CAR MAKE	FORD	FORD	FORD-SVC. KEY	FORD	FORD
					
INDUSTRY NO.	H75-P	H78	H86	MZ13-P MZ13	1167FD H51
OEM STYLE	- - -	- - -	- - -	- - -	Ford
RUBBER HEAD	915498	- - -	- - -	915451	- - -
STD REPLACEMENT	- - -	915565	915625	915165	915405
STRATTEC NO.	- - -	- - -	- - -	- - -	321207

CAR MAKE	CHRY	CHRY	CHRY	CHRY	CHRY-JEEP
					
INDUSTRY NO.	Y152	Y154-P	Y157-P Y157	Y159PCHY Y159-P	Y163PJP
OEM STYLE	915402	- - -	- - -	915627	915629
RUBBER HEAD	- - -	915489	915509	915548	- - -
STD REPLACEMENT	- - -	- - -	915567	- - -	- - -

"P - SHOWS THAT THE KEY COMES WITH OE STYLE PLASTIC HEAD."

DOMESTIC AUTO/TRACTOR KEY BLANKS

KEY ILLUSTRATIONS ARE NOT ACTUAL SIZE.

CAR MAKE	CHRY	CHRY	CHRY	AMC	BRIGGS & STRAT
INDUSTRY NO.	MIT1-P MIT1	MIT6 MIT6-P	- - -	RA4	1098M
OEM STYLE	- - -	- - -	- - -	915200	B1
RUBBER HEAD	915468	915588	915406	- - -	- - -
STD. REPLACEMENT	915574	- - -	- - -	915121	915512
STRATTEC NO.	- - -	- - -	594145 692350	- - -	- - -

CAR MAKE	BRIGGS & STRAT	BRIGGS & STRAT	CATERPILLAR	JOHN DEERE	
INDUSTRY NO.	1098PB	B52	1641	C1098JD	
OEM STYLE	PETERBILT	GAS	- - -	- - -	
RUBBER HEAD	- - -	- - -	- - -	- - -	
STD. REPLACEMENT	915511	915109	915649	915603	
STRATTEC NO.	- - -	- - -	- - -	- - -	

CAR MAKE	HEAVY TRUCK	HEAVY TRUCK	HEAVY TRUCK	HEAVY TRUCK	HEAVY TRUCK
INDUSTRY NO.	- - -	- - -	RA4 1970AM	RA4 1970AM	K1994
OEM STYLE	Freightliner	Freightliner	Int.	Mack	Kenworth
RUBBER HEAD	- - -	915408	- - -	- - -	915426
STD. REPLACEMENT	915407	- - -	915409	915425	- - -
STRATTEC NO.	322311	597893	321490	323688	596807

CAR MAKE	HEAVY TRUCK	HEAVY TRUCK			
INDUSTRY NO.	B5 1098DB	RA3 S1970AM			
OEM STYLE	Kenworth	Navistar/ International			
RUBBER HEAD	- - -	- - -			
STD. REPLACEMENT	915427	915428			
STRATTEC NO.	320734	321487			

"P - SHOWS THAT THE KEY COMES WITH OE STYLE PLASTIC HEAD."

KEY ILLUSTRATIONS ARE NOT ACTUAL SIZE.

IMPORT AUTO KEY BLANKS

CAR MAKE	DATSUN	NIS/ SUB	NIS/ DAT/ SUB	NIS/ DAT	NISSAN
INDUSTRY NO.	62DT, DA22	DA25-P DA25	DA31-P	DA32-P	DA34-P
OEM STYLE	- - -	- - -	- - -	- - -	- - -
RUBBER HEAD	- - -	- - -	915514	915515	915546
STD. REPLACEMENT	915125	915568	- - -	- - -	- - -

CAR MAKE	MITSUB/ CHRY	HONDA	HONDA	MITSUB	MITSUB
INDUSTRY NO.	DC3-P	HD91-P	HD103-P	MIT1-P MIT1	MIT6 MIT6-P
OEM STYLE	- - -	- - -	- - -	- - -	- - -
RUBBER HEAD	915443	915448	915517	915468	915588
STD. REPLACEMENT	- - -	- - -	- - -	915574	- - -

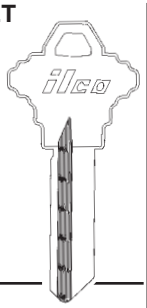
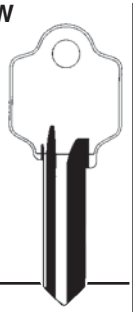
CAR MAKE	MAZDA	MAZDA	TOYOTA	TOYOTA	TOYOTA
INDUSTRY NO.	MZ13-P MZ13	MZ16-P	TR33-P	TR40	TR44-P
OEM STYLE	- - -	- - -	- - -	- - -	- - -
RUBBER HEAD	915451	915522	915453	- - -	915526
STD. REPLACEMENT	915165	- - -	- - -	915456	- - -

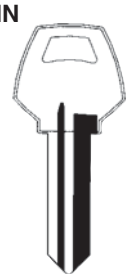
CAR MAKE					
INDUSTRY NO.	V35-P				
OEM STYLE	- - -				
RUBBER HEAD	915458				
STD. REPLACEMENT	- - -				

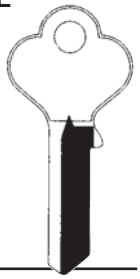
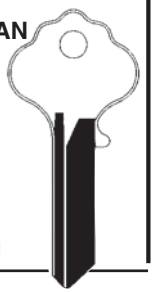
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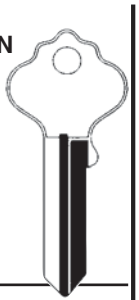
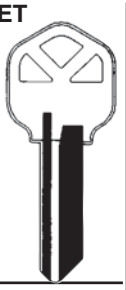
GEN. PURPOSE KEY BLANKS

KEY ILLUSTRATIONS ARE NOT ACTUAL SIZE.

LOCK MAKE	ALMET	ARROW	ARROW	CHICAGO	CHICAGO
					
INDUSTRY NO.	SC4	AR1	AR4	CG1	CG16
PART NO.	915643	915175	915470	915471	915170

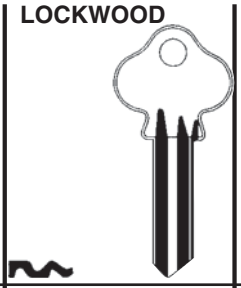
LOCK MAKE	CHICAGO	CORBIN	CORBIN	CORBIN	CORBIN
					
INDUSTRY NO.	CG22	CO1	CO26	CO87	CO106
PART NO.	915533	915534	915536	915472	915473

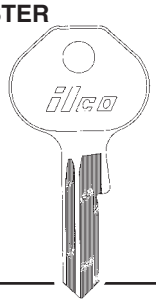
LOCK MAKE	DEXTER	EAGLE	ESP	ILCO/ UNICAN	ILCO/ UNICAN
					
INDUSTRY NO.	DE6	EA27	ES9	IN2	IN3
PART NO.	915176	915177	915537	915538	915185

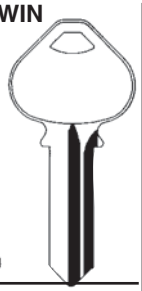
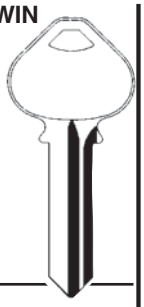
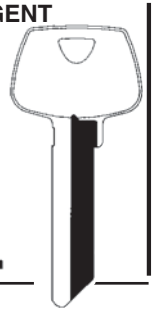
LOCK MAKE	ILCO/ UNICAN	ILCO	ILCO/ UNICAN	KWIKSET	KWIKSET/TITAN
					
INDUSTRY NO.	IN4	IN8	IN18	KW1	KW10
PART NO.	915539	915474	915186	915178	915636

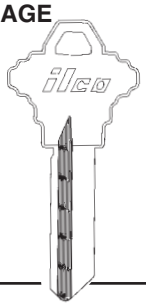
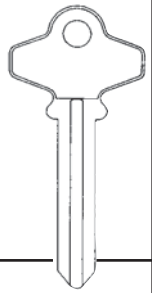
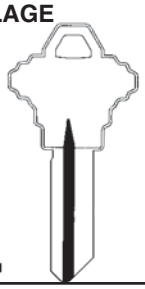
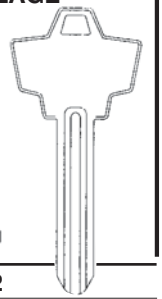
KEY ILLUSTRATIONS ARE NOT ACTUAL SIZE.

GEN. PURPOSE KEY BLANKS

LOCK MAKE	KWIKSET/TITAN	LOCKWOOD	MASTER	MASTER	MASTER
					
INDUSTRY NO.	KW11	L1	M1	M2	M4
PART NO.	915637	915187	915179	915188	915540

LOCK MAKE	MASTER	MASTER	MASTER	MASTER	NATIONAL
					
INDUSTRY NO.	M11	M13	M16	M20	NA6
PART NO.	915541	915639	915633	915641	915190

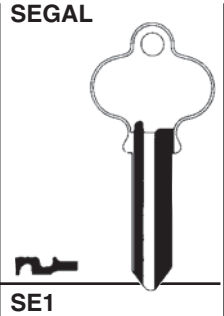
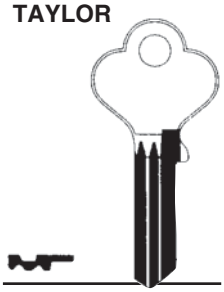
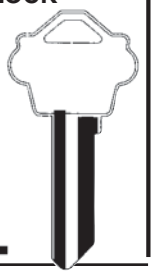
LOCK MAKE	HUDSON/ NATIONAL	RUSSWIN	RUSSWIN	SARGENT	SARGENT
					
INDUSTRY NO.	RO1	RU45	RU46	S4	S22
PART NO.	915542	915478	915479	915480	915481

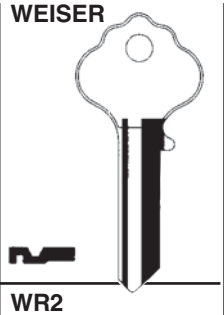
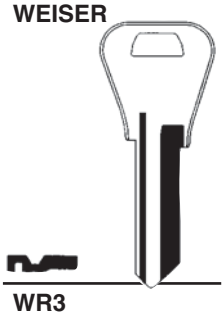
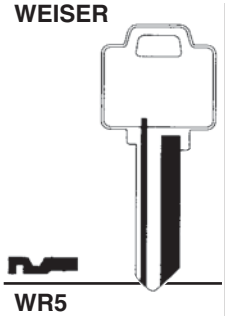
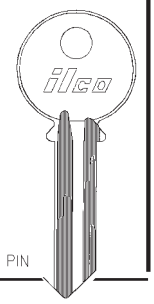
LOCK MAKE	SCHLAGE	SCHLAGE	SCHLAGE	SCHLAGE	SCHLAGE
					
INDUSTRY NO.	SC1	SC4	SC6	SC8	SC22
PART NO.	915180	915643	915192	915482	915193

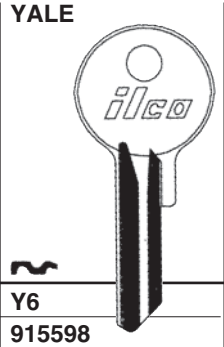
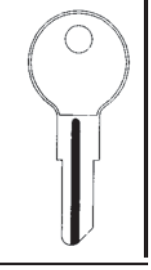
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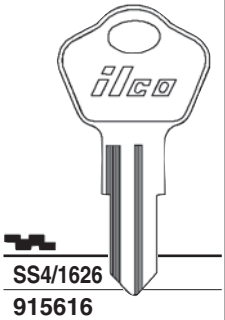
GEN. PURPOSE & MISC. KEY BLANKS

KEY ILLUSTRATIONS ARE NOT ACTUAL SIZE.

LOCK MAKE	SEGAL	TAYLOR	TITAN/KWIKSET	TITAN/KWIKSET	WESLOCK
					
INDUSTRY NO.	SE1	T7	KW10	KW11	WK2
PART NO.	915181	915194	915636	915637	915182

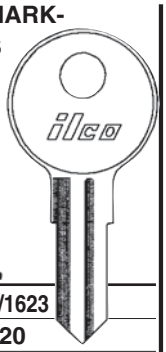
LOCK MAKE	WEISER	WEISER	WEISER	YALE	YALE
					 6 PIN
INDUSTRY NO.	WR2	WR3	WR5	Y1	Y2
PART NO.	915484	915183	915485	915184	915644

LOCK MAKE	YALE	YALE	YALE	YALE	YALE
					
INDUSTRY NO.	Y6	Y9	Y11	Y12	Y13
PART NO.	915598	915543	915197	915198	915486

LOCK MAKE	YALE	NATIONAL (CABINET)	SENTRY SAFES	DELTA TOOL BOXES	FIC-RV'S TRAILER HITCHES
					
INDUSTRY NO.	Y14	RO4	SS4/1626	1620	FIC1/1617
PART NO.	915199	915166	915616	915615	915617

KEY ILLUSTRATIONS ARE NOT ACTUAL SIZE.

MISC. KEY BLANKS & PADLOCKS

CAR MAKE	TRIMARK-RV'S 				
INDUSTRY NO.	TM15/1623				
PART NO.	915620				

MASTER® SUPER SECURITY LAMINATED PADLOCKS

Most popular padlock sold.



- **Double locking** - case hardened steel shackle.
- **Protective bumper** - minimizes marring and scratching.
- **Pick resistant** - 4 pin tumbler, with mushroom shaped pins - solid brass, and bronze springs.
- **Durable** - laminated steel construction.
- **Extra rust protection** - steel plates individually galvanized and chromated.
- **2 keys** - supplied with each lock.
- **Choice of keying** - available keyed alike or different, see chart below.

KEYED DIFFERENT PART NUMBER	KEYED ALIKE PART NUMBER	LOCK SIZE DIA.	SHACKLE DIMENSIONS DIAMETER	VERTICAL CLEARANCE	HORIZONTAL CLEARANCE	MASTER NUMBER
915301	**915302**	1-1/2	9/32	5/8	3/4	3
915303	**915304**	2	3/8	1	15/16	5

MASTER® LONG SHACKLE SUPER SECURITY LAMINATED PADLOCKS



- **Double locking** - case hardened steel shackle.
- **Protective bumper** - minimizes marring and scratching.
- **Pick resistant** - 4 pin tumbler, with mushroom shaped pins - solid brass, and bronze springs.
- **Durable** - laminated steel construction.
- **Extra rust protection** - steel plates individually galvanized and chromated.
- **2 keys** - supplied with each lock.

KEYED ALIKE PART NUMBER	LOCK SIZE DIA.	SHACKLE DIMENSIONS DIAMETER	VERTICAL CLEARANCE	HORIZONTAL CLEARANCE	MASTER NUMBER
915351	1-1/2	9/32	5/8	2	3
915353	2	3/8	15/16	2-1/2	5

MASTER® SOLID BRASS PADLOCKS

Provides maximum corrosion protection for outdoor use.



- **Corrosion resistant** - solid brass body and hardened steel shackle.
- **Pick resistant** - 4 pin tumbler, with mushroom shaped pins and bronze springs.
- **Double bolted shackle** - boats, outdoor lockers, refineries, gates, dairies, any area where rust, corrosion, high humidity and atmosphere pollution are a problem.
- **2 keys** - supplied with each lock.
- **Choice of keying** - available keyed alike or different, see chart below.

KEYED DIFFERENT PART NUMBER	KEYED ALIKE PART NUMBER	LOCK SIZE DIA.	SHACKLE DIMENSIONS DIAMETER	VERTICAL CLEARANCE	HORIZONTAL CLEARANCE	MASTER NUMBER
915309	**915310**	1-9/16	1/4	13/16	7/8	140

PADLOCKS & ACCESSORIES and LOCK RELATED ITEMS

MASTER® HIGH SECURITY SHROUDED SOLID STEEL PADLOCK

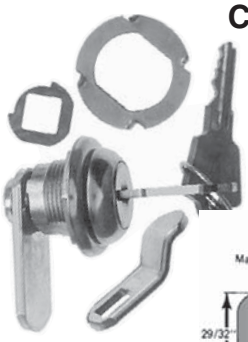


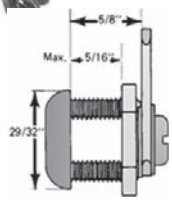
Outstanding protection against physical attacks.

- **Greatest physical security available:**
  Heavy steel bodies
  Hardened steel and boron alloy shackles for superior cut resistance
  Dual deadbolt locking for extreme resistance to prying
  Shrouded shackles protects against bolt cutters
- **Greatest key security available:**
  5 pin tumbler cylinders provide tens of thousands of key changes
  Special spool pin tumblers are virtually impossible to pick
- Chrome rustproofing provides longer life.
- Rekeyable - replaceable cylinder and shackle.

KEYED DIFFERENT PART NUMBER	KEYED ALIKE PART NUMBER	LOCK SIZE DIA.	SHACKLE DIMENSIONS DIAMETER	VERTICAL CLEARANCE	HORIZONTAL CLEARANCE	MASTER NUMBER
915354	**915355**	1-3/4	5/16	1-3/16	29/32	7045

MULTI-PURPOSE UTILITY CAM LOCKS





Part No. **915326**

- **Used for wood or metal cabinets, chest drawers, cash boxes, racks, RV locks.**
- **Includes all necessary parts.**
- **E-Z instructions make installation a snap.**
- **2 brass keys supplied with each lock.**
- **Stainless steel finish.**
- **4 spline - key removable in locked or unlocked position with 90° or 180° stop.**

MASTER® SAFETY HASP

Designed to provide the ultimate protection when used with our padlocks.

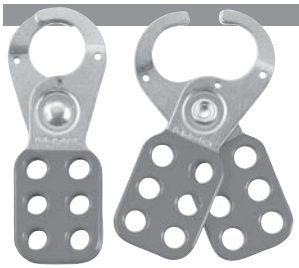


- **Galvanized and chromated.**
- **Versatile.**
- **Rugged.**
- **Case hardened steel construction.**

PART NUMBER	TOTAL LENGTH	WIDTH	MASTER NUMBER
915330	3-1/2	1-3/16	703
915331	4-1/2	1-7/8	704

MASTER® SAFETY LOCKOUT HASP

Lockout by up to 6 workers at each lockout point.



- **Keeps equipment inoperative while repairs or adjustments are made.**
- **Attach device to energy disconnect switch.**
- **Control cannot be turned on until last worker's padlock is removed.**
- **Insulated with bright vinyl coating.**
- **Heavy gauge steel resists prying.**
- **1" diameter jaws.**

Part No. **915334** 2

LOCK EASE Graphited Lock Fluid



- **Seals out moisture, protects against freeze-up.**
- **Prevents sticking, guards against rust & corrosion**
- **Graphite formula will not gum up.**
- **Leaves a penetrating, protective coating.**

Part No. **211343**
3.5 oz. net wt. Aerosol

LOCK DE-ICER

- **Thaws frozen locks quickly and easily.**
- **Special tip fits into key holes. Simply squirt into lock.**



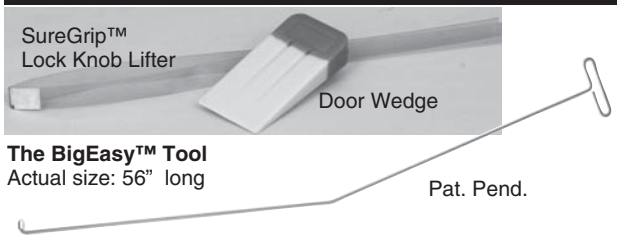
Part No. **211344**
1/2 fl. oz.

G17

LOCK RELATED ITEMS & KEY BLANK INTERCHANGE

THE BIGEASY™

LOCKOUT TOOL KIT INCLUDES:



The BigEasy™ Tool
Actual size: 56" long

Pat. Pend.



SAFE...FAST...EASY

- **No danger of airbag activation or disconnected door linkages.**
- **The BigEasy™ tool kit enables you to actuate the door handle, manual lock button, or electric lock button on more than 98% of all cars and trucks.**
- **With every movement in full view of the technician, unlocking cars is quick and so easy...you don't need to train your people.**
- **The smooth, plastic wedge insert is safe...no risk of damage to the door or weatherstripping.**

Complete Lockout Tool Kit

Unlocks all cars for under 1/2 the price of more complicated kits!

Part No. 232900
The BigEasy™
Complete Lockout Tool Kit

KEY BLANK INTERCHANGE

INDUSTRY NUMBER	PART NUMBER	INDUSTRY NUMBER	PART NUMBER	INDUSTRY NUMBER	PART NUMBER	INDUSTRY NUMBER	PART NUMBER	INDUSTRY NUMBER	PART NUMBER
AR1	**915175**	B96	**915562**	H70	**915507**	MZ13	**915165**	WR2	**915484**
AR4	**915470**	B102	**915583**	H70-P	**915507**	MZ13-P	**915451**	WR3	**915183**
B1	**915512**	B102-P	**915584**	H75	**915498**	MZ16-P	**915522**	WR5	**915485**
B44	**915101**	B106-P	**915638**	H75-P	**915498**	NA6	**915190**	Y1	**915184**
B44-P	**915495**	B110-P	**915646**	H78	**915565**	RA3	**915428**	Y2	**915644**
B44-GP	**915419**	C1098JD	**915603**	H86	**915625**	RA4	**915121**	Y6	**915598**
B45	**915102**	CG1	**915471**	HD91-P	**915448**	RA4 INT	**915409**	Y9	**915543**
B45-P	**915496**	CG16	**915170**	HD103	**915517**	RA4 MACK	**915425**	Y11	**915197**
B45-GP	**915421**	CG22	**915533**	HD103-P	**915517**	RA4 OEM	**915200**	Y12	**915198**
B48	**915105**	CO1	**915534**	IN2	**915538**	RO1	**915542**	Y13	**915486**
B48-P	**915413**	CO26	**915536**	IN3	**915185**	RO4	**915166**	Y14	**915199**
B49-P	**915417**	CO87	**915472**	IN4	**915539**	RU45	**915478**	Y152-CHY	**915402**
B5	**915427**	CO106	**915473**	IN8	**915474**	RU46	**915479**	Y154-P	**915489**
B50	**915107**	DA22	**915125**	IN18	**915186**	S4	**915480**	Y157	**915567**
B50-P	**915410**	DA25	**915568**	K1994	**915426**	S22	**915481**	Y157-P	**915509**
B52	**915109**	DA31-P	**915514**	KW1	**915178**	SC1	**915180**	Y159-P	**915548**
B65	**915157**	DA32-P	**915515**	KW10	**915636**	SC4	**915643**	Y163PJP	**915629**
B69	**915158**	DA34-P	**915546**	KW11	**915637**	SC6	**915192**	62DT	**915125**
B78	**915463**	DC3-P	**915443**	L1	**915187**	SC8	**915482**	1098M	**915512**
B79	**915464**	DE6	**915176**	M1	**915179**	SC22	**915193**	1098PB	**915511**
B82-P	**915501**	EA27	**915177**	M2	**915188**	SE1	**915181**	C1098JD	**915603**
B83	**915576**	ES9	**915537**	M4	**915540**	SS4	**915616**	1167FD	**915405**
B86	**915529**	FIC1	**915617**	M11	**915541**	T7	**915194**	1617	**915617**
B86-P	**915501**	H50	**915111**	M13	**915639**	TM15	**915620**	1620	**915615**
B88-P	**915497**	H51	**915112**	M16	**915633**	TR33-P	**915453**	1623	**915620**
B89	**915576**	H54	**915432**	M20	**915641**	TR40	**915456**	1626	**915616**
B89-P	**915577**	H60	**915490**	MIT1	**915574**	TR44-P	**915526**	1641	**915649**
B91	**915560**	H67	**915506**	MIT1-P	**915468**	V35-P	**915458**		
B91-P	**915578**	H67-P	**915506**	MIT6-P	**915588**	WK2	**915182**		

G SECTION SERVICE ITEMS













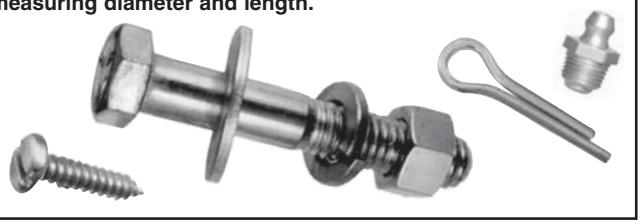
G17-11 PIX PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.

E-Z PAK FASTENERS

E-Z PAK AUTOMOTIVE ASSORTMENTS



Includes a handy measuring chart with each cabinet for measuring diameter and length.



SAVE TIME - SAVE MONEY

EVERY E-Z PAK HAS ONE COST... THE SAME COST.

- **Rack can hang on wall or stand on workbench.**
- **All Paks are the same size for orderly stocking.**
- **Makes it easy to select the proper fastener.**
- **Refills are always available.**
- **Low cost per pak means lower investment.**
- **Over 200 items for you to select from.**
- **Foolproof reorder system takes up none of your valuable time.**
- **Your sales agent will check your stock.**

THE FASTENER YOU NEED... WHEN YOU NEED IT



THE E-Z PAK LABEL MAKES SELECTION, PRICING AND RE-ODERING *E-Z*

ITEM NAME in bold type
DESCRIPTION
SIZE of item in big bold letters; easy to see!
PICTURE of item (in case you left your glasses at home)
A **PRICE** you can charge at a nice profit.
STOCK NO. for easy reorder; saves time too.

E-Z PAK FASTENER ASSORTMENTS

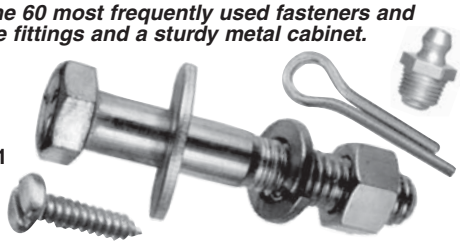
GRADE 5 BASIC E-Z PAK ASSORTMENT



Includes the 60 most frequently used fasteners and grease fittings and a sturdy metal cabinet.

5

Part No. 50101
2412 pieces
60 items
12054 cabinet



Impregnated with LUSTERPLATE™ against rust & corrosion

ASSORTMENT CONTAINS

CAPSCREWS

SIZE INCHES	USS PART NO.	SAE PART NO.
1/4 x 1/2	**50103**	**50155**
1/4 x 1	**50105**	**50157**
1/4 x 1-1/2	**50107**	**50159**
1/4 x 2	**50109**	**50161**
5/16 x 3/4	**50115**	**50167**
5/16 x 1	**50116**	**50168**
5/16 x 1-1/2	**50118**	**50170**
5/16 x 2	**50120**	**50172**
5/16 x 3	**50124**	**50176**
3/8 x 3/4	**50125**	**50177**
3/8 x 1	**50126**	**50178**
3/8 x 1-1/2	**50128**	**50180**
3/8 x 2	**50130**	**50182**

HEX NUTS

SIZE INCHES	USS PART NO.	SAE PART NO.
1/4	**501117**	**501122**
5/16	**501118**	**501123**
3/8	**501119**	**501124**

WASHERS

SIZE INCHES	LOCK PART NO.	FLAT SAE PART NO.
3/16	**501127**	**---**
1/4	**501128**	**501135**
5/16	**501130**	**501136**
3/8	**501131**	**501137**

SHEET METAL SCREWS
SLOTTED PAN HEAD

DIAMETER	LENGTH-INCHES	PART NO.
No. 8	1/2	**501163**
No. 8	1	**501165**
No. 10	3/4	**501169**
No. 12	1	**501177**

STOVE BOLTS
ROUND HEAD SLOTTED w/NUTS

DIAMETER INCHES	LENGTH INCHES	PART NO.
3/16	1/2	**501182**
3/16	1	**501184**
3/16	1-1/2	**501186**
3/16	2	**501188**
1/4	1/2	**501189**
1/4	1	**501191**
1/4	1-1/2	**501193**

COTTER PINS

DIAMETER INCHES	LENGTH INCHES	PART NO.
1/16	1	**501141**
3/32	1	**501142**
1/8	1-1/2	**501146**
5/32	1-1/2	**501148**

BATTERY BOLT w/NUT

DIAMETER INCHES	LENGTH INCHES	PART NO.
5/16 -18	1-1/4	**501151**

LICENSE PLATE BOLT w/ SQ. NUT

DIAMETER INCHES	LENGTH INCHES	PART NO.
1/4-20	1/2	**501205**

GREASE FITTINGS
with BALL CHECK

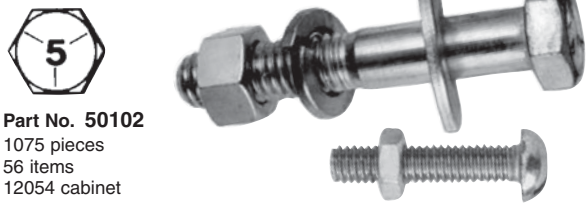
THREAD/ STYLE	FITTING TYPE	PART NO.
1/4" taper	straight	**501155**
1/4" taper	45°	**501156**
1/8" pipe	straight	**501152**
1/8" pipe	45°	**501153**

E-Z PAK FASTENER ASSORTMENTS

GRADE 5 SUPPLEMENTARY E-Z PAK ASSORTMENT



Includes a wider range of sizes in diameters up to 1/2" and lengths to 3" of the 60 most frequently used fasteners and a sturdy metal cabinet.



Part No. 50102
1075 pieces
56 items
12054 cabinet

ASSORTMENT CONTAINS

Engineered by LUSTERPLATE™ against rust & corrosion

CAPSCREWS

SIZE INCHES	USS PART NO.	SAE PART NO.
1/4 x 2-1/2	**50111**	**50163**
1/4 x 3	**50113**	**50165**
5/16 x 2-1/2	**50122**	**50174**
3/8 x 2-1/2	**50132**	**50184**
3/8 x 3	**50134**	**50186**
7/16 x 3/4	**50135**	**50187**
7/16 x 1	**50136**	**50188**
7/16 x 1-1/2	**50138**	**50190**
7/16 x 2	**50140**	**50192**
7/16 x 2-1/2	**50142**	**50194**
7/16 x 3	**50144**	**50196**
1/2 x 1	**50146**	**50198**
1/2 x 1-1/2	**50148**	**501100**
1/2 x 2	**50150**	**501102**
1/2 x 2-1/2	**50152**	**501104**
1/2 x 3	**50154**	**501106**

HEX NUTS

SIZE INCHES	USS PART NO.	SAE PART NO.
7/16	**501120**	**501125**
1/2	**501121**	**501126**

WASHERS

SIZE INCHES	LOCK PART NO.	FLAT SAE PART NO.
7/16	**501132**	**501138**
1/2	**501133**	**501139**

SHEET METAL SCREWS
SLOTTED PAN HEAD

DIAMETER	LENGTH INCHES	PART NO.
No. 8	1-1/4	**501166**
No. 8	1-1/2	**501167**
No. 10	1	**501170**
No. 10	1-1/4	**501171**
No. 10	1-3/4	**501173**
No. 10	2	**501174**
No. 12	1-1/2	**501178**
No. 14	3/4	**501179**
No. 14	1-1/4	**501180**
No. 14	2	**501181**

STOVE BOLTS
ROUND HEAD SLOTTED w/NUTS

DIAMETER	LENGTH INCHES	PART NO.
1/4-20	2	**501195**
1/4-20	3	**501197**

COTTER PINS

DIAMETER INCHES	LENGTH INCHES	PART NO.
3/32	1-1/2	**501143**
3/32	2	**501144**
1/8	2	**501147**
5/32	2	**501150**

E-Z PAK FASTENER ASSORTMENTS

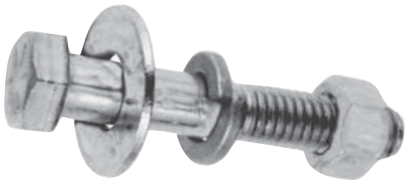
GRADE 8 E-Z PAK ASSORTMENT



Includes the 60 most frequently used fasteners and a sturdy metal cabinet.



Part No. 501055
941 pieces
60 items
12054 cabinet



ASSORTMENT CONTAINS

CAPSCREWS

SIZE INCHES	USS PART NO.	SAE PART NO.
1/4 x 1	**50203**	**50252**
1/4 x 1-1/2	**50205**	**50254**
1/4 x 2	**50207**	**50256**
5/16 x 1	**50212**	**50261**
5/16 x 1-1/2	**50214**	**50263**
5/16 x 2	**50216**	**50265**
5/16 x 2-1/2	**50217**	**50266**
3/8 x 1	**50220**	**50269**
3/8 x 1-1/2	**50222**	**50271**
3/8 x 2	**50224**	**50273**
3/8 x 2-1/2	**50225**	**50274**
3/8 x 3	**50226**	**50275**
7/16 x 1-1/2	**50230**	**50279**
7/16 x 2	**50232**	**50281**
7/16 x 2-1/2	**50233**	**50282**
7/16 x 3	**50234**	**50283**
1/2 x 1-1/2	**50238**	**50287**
1/2 x 2	**50240**	**50289**
1/2 x 2-1/2	**50241**	**50290**
1/2 x 3	**50242**	**50291**

HEX NUTS

SIZE INCHES	USS PART NO.	SAE PART NO.
1/4	**501207**	**501212**
5/16	**501208**	**501213**
3/8	**501209**	**501214**
7/16	**501210**	**501215**
1/2	**501211**	**501216**

WASHERS

SIZE INCHES	LOCK PART NO.	FLAT SAE PART NO.
1/4	**501217**	**501222**
5/16	**501218**	**501223**
3/8	**501219**	**501224**
7/16	**501220**	**501225**
1/2	**501221**	**501226**

E-Z PAK FASTENERS

E-Z PAK FASTENER REFILLS

– CAPSCREWS • USS • HEX HEAD –

SIZE INCHES	GRADE 5 PART NO.	GRADE 8 PART NO.
1/4 x 1/2	50103	50201
1/4 x 3/4	50104	50202
1/4 x 1	50105	50203
1/4 x 1-1/4	50106	50204
1/4 x 1-1/2	50107	50205
1/4 x 1-3/4	50108	50206
1/4 x 2	50109	50207
1/4 x 2-1/2	50111	50208
1/4 x 3	50113	50209
5/16 x 1/2	50114	50210
5/16 x 3/4	50115	50211
5/16 x 1	50116	50212
5/16 x 1-1/4	50117	50213
5/16 x 1-1/2	50118	50214
5/16 x 1-3/4	50119	50215
5/16 x 2	50120	50216
5/16 x 2-1/2	50122	50217
5/16 x 3	50124	50218
3/8 x 3/4	50125	50219
3/8 x 1	50126	50220
3/8 x 1-1/4	50127	50221
3/8 x 1-1/2	50128	50222
3/8 x 1-3/4	50129	50223
3/8 x 2	50130	50224
3/8 x 2-1/2	50132	50225
3/8 x 3	50134	50226
7/16 x 3/4	50135	50227
7/16 x 1	50136	50228
7/16 x 1-1/4	50137	50229
7/16 x 1-1/2	50138	50230
7/16 x 1-3/4	50139	50231
7/16 x 2	50140	50232
7/16 x 2-1/2	50142	50233
7/16 x 3	50144	50234
1/2 x 3/4	50145	50235
1/2 x 1	50146	50236
1/2 x 1-1/4	50147	50237
1/2 x 1-1/2	50148	50238
1/2 x 1-3/4	50149	50239
1/2 x 2	50150	50240
1/2 x 2-1/2	50152	50241
1/2 x 3	50154	50242

– CAPSCREWS • SAE • HEX HEAD –

SIZE INCHES	GRADE 5 PART NO.	GRADE 8 PART NO.
1/4 x 1/2	50155	50250
1/4 x 3/4	50156	50251
1/4 x 1	50157	50252
1/4 x 1-1/4	50158	50253
1/4 x 1-1/2	50159	50254
1/4 x 1-3/4	50160	50255
1/4 x 2	50161	50256
1/4 x 2-1/2	50163	50257
1/4 x 3	50165	50258
5/16 x 1/2	50166	50259
5/16 x 3/4	50167	50260
5/16 x 1	50168	50261
5/16 x 1-1/4	50169	50262
5/16 x 1-1/2	50170	50263
5/16 x 1-3/4	50171	50264
5/16 x 2	50172	50265
5/16 x 2-1/2	50174	50266
5/16 x 3	50176	50267
3/8 x 3/4	50177	50268
3/8 x 1	50178	50269
3/8 x 1-1/4	50179	50270
3/8 x 1-1/2	50180	50271
3/8 x 1-3/4	50181	50272
3/8 x 2	50182	50273
3/8 x 2-1/2	50184	50274
3/8 x 3	50186	50275
7/16 x 3/4	50187	50276
7/16 x 1	50188	50277
7/16 x 1-1/4	50189	50278
7/16 x 1-1/2	50190	50279
7/16 x 1-3/4	50191	50280
7/16 x 2	50192	50281
7/16 x 2-1/2	50194	50282
7/16 x 3	50196	50283
1/2 x 3/4	50197	50284
1/2 x 1	50198	50285
1/2 x 1-1/4	50199	50286
1/2 x 1-1/2	501100	50287
1/2 x 1-3/4	501101	50288
1/2 x 2	501102	50289
1/2 x 2-1/2	501104	50290
1/2 x 3	501106	50291



– HEX NUTS USS –

SIZE INCHES	GRADE 5 PART NO.	GRADE 8 PART NO.
1/4	501117	501207
5/16	501118	501208
3/8	501119	501209
7/16	501120	501210
1/2	501121	501211

– HEX NUTS SAE –

SIZE INCHES	GRADE 5 PART NO.	GRADE 8 PART NO.
1/4	501122	501212
5/16	501123	501213
3/8	501124	501214
7/16	501125	501215
1/2	501126	501216





– LOCK WASHERS –

SIZE INCHES	GRADE 5 PART NO.	GRADE 8 PART NO.
3/16	501127	---
1/4	501128	501217
5/16	501130	501218
3/8	501131	501219
7/16	501132	501220
1/2	501133	501221

– FLAT WASHERS SAE –

SIZE INCHES	GRADE 5 PART NO.	GRADE 8 PART NO.
3/16	501134	---
1/4	501135	501222
5/16	501136	501223
3/8	501137	501224
7/16	501138	501225
1/2	501139	501226





– SHEET METAL SCREWS –
SLOTTED PAN HEAD



DIAMETER	LENGTH INCHES	PART NO.
4	1/2	501158
4	3/4	501159
6	1/2	501160
6	3/4	501161
6	1	501162
8	1/2	501163
8	3/4	501164
8	1	501165
8	1-1/4	501166
8	1-1/2	501167
10	1/2	501168
10	3/4	501169
10	1	501170
10	1-1/4	501171
10	1-1/2	501172
10	1-3/4	501173
10	2	501174
12	1/2	501175
12	3/4	501176
12	1	501177
12	1-1/2	501178
14	3/4	501179
14	1-1/4	501180
14	2	501181

E-Z PAK FASTENERS

E-Z PAK FASTENER REFILLS



– SHEET METAL SCREWS –
PHILLIPS PAN HEAD



DIAMETER	LENGTH INCHES	PART NO.
8	3/4	**50292**
10	3/4	**50293**
12	3/4	**50294**



– STOVE BOLTS with NUTS –
ROUND HEAD SLOTTED



DIAMETER	LENGTH INCHES	PART NO.
3/16	1/2	**501182**
3/16	3/4	**501183**
3/16	1	**501184**
3/16	1-1/4	**501185**
3/16	1-1/2	**501186**
3/16	1-3/4	**501187**

DIAMETER	LENGTH INCHES	PART NO.
3/16	2	**501188**
1/4	1/2	**501189**
1/4	3/4	**501190**
1/4	1	**501191**
1/4	1-1/4	**501192**

DIAMETER	LENGTH INCHES	PART NO.
1/4	1-1/2	**501193**
1/4	1-3/4	**501194**
1/4	2	**501195**
1/4	2-1/2	**501196**
1/4	3	**501197**



– GREASE FITTINGS –
with BALL CHECK

THREAD/ STYLE	FITTING TYPE	PART NO.
1/8" pipe	straight	**501152**
1/8" pipe	45°	**501153**
1/8" pipe	90°	**501154**
1/4" taper	straight	**501155**
1/4" taper	45°	**501156**
1/4" taper	90°	**501157**



– COTTER PINS –



DIAMETER	LENGTH INCHES	PART NO.
1/16	3/4	**501140**
1/16	1	**501141**
3/32	1	**501142**
3/32	1-1/2	**501143**
3/32	2	**501144**

DIAMETER	LENGTH INCHES	PART NO.
1/8	1	**501145**
1/8	1-1/2	**501146**
1/8	2	**501147**
5/32	1-1/2	**501148**
5/32	2	**501150**



– LICENSE PLATE BOLT –
with SQUARE NUT

DIAMETER	LENGTH INCHES	PART NO.
1/4-20	1/2	**501205**



– BATTERY BOLT –
with NUT

DIAMETER	LENGTH INCHES	PART NO.
5/16-18	1-1/4	**501151**

METRIC E-Z PAK ASSORTMENT

METRIC E-Z PAK ASSORTMENT



Contains over 700 pieces of the 40 most popular sizes and styles. Includes space saving metal cabinet that can be hung on the wall or placed on the work bench.... with lots of room for expansion.



Part No. 501051

FREE METRIC INFORMATION KIT

- **Metric Bolt 'n Nut Gauge**
- **Metrics for Beginners - an easy to understand illustrated guide for the unfamiliar.**
- **Metric System Guide - essentials of measurement, conversion factors.**
- **Fraction / Metric Conversion Chart.**

ASSORTMENT CONTAINS

Protected by LUSTERPLATE™ against rust & corrosion

CAPSCREWS

DIN 931 SIZE	COURSE THREAD PITCH	DIN 933 PART NO.
4 x 20mm	.70	**532102**
6 x 10mm	1.00	**532108**
6 x 16mm	1.00	**532109**
6 x 20mm	1.00	**532110**
6 x 30mm	1.00	**532112**
8 x 20mm	1.25	**532116**
8 x 30mm	1.25	**532118**
8 x 50mm	1.25	**532120**
10 x 20mm	1.50	**532122**
10 x 30mm	1.50	**532124**
12 x 30mm	1.75	**532129**
12 x 40mm	1.75	**532130**

FLAT WASHERS
DIN 125

SIZE	PART NO.
4mm	**532171**
6mm	**532173**
8mm	**532174**
10mm	**532175**
12mm	**532176**

CAPSCREWS

DIN 960 SIZE	FINE THREAD PITCH	DIN 961 PART NO.
8 x 16mm	1.00	**532201**
8 x 25mm	1.00	**532203**
8 x 30mm	1.00	**532205**
10 x 16mm	1.00	**532207**
10 x 20mm	1.00	**532208**
10 x 30mm	1.00	**532210**
10 x 40mm	1.00	**532212**
12 x 25mm	1.50	**532221**
12 x 35mm	1.50	**532223**
12 x 40mm	1.50	**532224**

LOCK WASHERS
DIN 127

SIZE	PART NO.
4mm	**532177**
6mm	**532179**
8mm	**532180**
10mm	**532181**
12mm	**532182**

HEX NUTS
DIN 934 COURSE THREAD

SIZE	PITCH	PART NO.
4mm	.70	**532151**
6mm	1.00	**532153**
8mm	1.25	**532155**
10mm	1.50	**532156**
12mm	1.75	**532157**

HEX NUTS
DIN 934 FINE THREAD

SIZE	PITCH	PART NO.
8mm	1.00	**532240**
10mm	1.00	**532241**
12mm	1.50	**532243**

OVER 150 REFILLS AVAILABLE

METRIC E-Z PAK FASTENERS

METRIC E-Z PAK FASTENER REFILLS



– CAP SCREWS –
DIN 931 - COARSE THREAD - DIN 933

SIZE	PITCH	PART NO.
4mm x 16mm	.70	532101
4mm x 20mm	.70	532102
5mm x 10mm	.80	532103
5mm x 16mm	.80	532104
5mm x 20mm	.80	532105
5mm x 25mm	.80	532106
5mm x 30mm	.80	532107
6mm x 10mm	1.00	532108
6mm x 16mm	1.00	532109
6mm x 20mm	1.00	532110
6mm x 25mm	1.00	532111
6mm x 30mm	1.00	532112
6mm x 40mm	1.00	532113

SIZE	PITCH	PART NO.
7mm x 10mm	1.00	532228
7mm x 12mm	1.00	532229
7mm x 20mm	1.00	532230
7mm x 25mm	1.00	532231
7mm x 30mm	1.00	532232
8mm x 10mm	1.25	532114
8mm x 16mm	1.25	532115
8mm x 20mm	1.25	532116
8mm x 25mm	1.25	532117
8mm x 30mm	1.25	532118
8mm x 40mm	1.25	532119
8mm x 50mm	1.25	532120
10mm x 16mm	1.50	532121

SIZE	PITCH	PART NO.
10mm x 20mm	1.50	532122
10mm x 25mm	1.50	532123
10mm x 30mm	1.50	532124
10mm x 40mm	1.50	532125
10mm x 50mm	1.50	532126
12mm x 20mm	1.75	532127
12mm x 25mm	1.75	532128
12mm x 30mm	1.75	532129
12mm x 40mm	1.75	532130
14mm x 30mm	2.00	532159
14mm x 40mm	2.00	532163
14mm x 50mm	2.00	532164



– CAP SCREWS –
DIN 960 - FINE THREAD - DIN 961

SIZE	PITCH	PART NO.
8mm x 16mm	1.00	532201
8mm x 20mm	1.00	532202
8mm x 25mm	1.00	532203
8mm x 30mm	1.00	532204
8mm x 35mm	1.00	532205
8mm x 40mm	1.00	532206
10mm x 16mm	1.00	532207
10mm x 20mm	1.00	532208
10mm x 25mm	1.00	532209
10mm x 30mm	1.00	532210

SIZE	PITCH	PART NO.
10mm x 35mm	1.00	532211
10mm x 40mm	1.00	532212
10mm x 50mm	1.00	532213
10mm x 16mm	1.25	532214
10mm x 20mm	1.25	532215
10mm x 25mm	1.25	532216
10mm x 30mm	1.25	532217
10mm x 35mm	1.25	532218
10mm x 40mm	1.25	532219
10mm x 50mm	1.25	532220

SIZE	PITCH	PART NO.
12mm x 25mm	1.50	532221
12mm x 30mm	1.25	532270
12mm x 30mm	1.50	532222
12mm x 35mm	1.50	532223
12mm x 40mm	1.25	532271
12mm x 40mm	1.50	532224
14mm x 35mm	1.50	532225
14mm x 40mm	1.50	532226
14mm x 50mm	1.50	532227



– HEX NUTS –
DIN 934 - COARSE THREAD

SIZE	PITCH	PART NO.
3mm	.60	532150
4mm	.70	532151
5mm	.80	532152
6mm	1.00	532153
7mm	1.00	532247
8mm	1.25	532155
10mm	1.50	532156
12mm	1.75	532157
14mm	2.00	532158



– FLAT WASHERS –
DIN 125

SIZE	PART NO.
4mm	532171
5mm	532172
6mm	532173
7mm	532238
8mm	532174
10mm	532175
12mm	532176
14mm	532235



– SPLIT LOCK - WASHERS
DIN 127

SIZE	PART NO.
4mm	532177
5mm	532178
6mm	532179
7mm	532248
8mm	532180
10mm	532181
12mm	532182
14mm	532236



– HEX NUTS –
DIN 934 - FINE THREAD

SIZE	PITCH	PART NO.
8mm	1.00	532240
10mm	1.00	532241
10mm	1.25	532242

SIZE	PITCH	PART NO.
12mm	1.25	532272
12mm	1.50	532243
14mm	1.50	532244



– NYLON LOCK NUTS –
DIN 985 - COARSE THREAD

SIZE	PITCH	PART NO.
4mm	.70	532233
5mm	.80	532234
6mm	1.00	532160
7mm	1.00	532245
8mm	1.25	532161
10mm	1.50	532162
14mm	2.00	532246



- SPRING LOCK - WASHERS
DIN 137

SIZE	PART NO.
4mm	532183
5mm	532184
6mm	532185
8mm	532186
10mm	532187
12mm	532188
14mm	532237



– COTTER PINS –
DIN 94

SIZE	PART NO.
2mm x 30mm	532190
3mm x 45mm	532191
4mm x 40mm	532192
5mm x 50mm	532193

METRIC E-Z PAK FASTENERS

METRIC E-Z PAK FASTENER REFILLS



– MACHINE SCREWS –
DIN 84 - PAN HEAD



DIAMETER	LENGTH	PART NO.
3mm	6mm	**532250**
3mm	10mm	**532251**
3mm	16mm	**532252**
3mm	20mm	**532253**
4mm	6mm	**532254**
4mm	10mm	**532255**
4mm	16mm	**532256**
4mm	20mm	**532257**
4mm	25mm	**532258**
5mm	6mm	**532259**
5mm	10mm	**532260**
5mm	16mm	**532261**
5mm	20mm	**532262**
5mm	25mm	**532263**
5mm	30mm	**532264**
6mm	10mm	**532265**
6mm	16mm	**532266**
6mm	20mm	**532267**
6mm	25mm	**532268**
6mm	30mm	**532269**

– MACHINE SCREWS –
DIN 963 - FLAT HEAD

SIZE	PITCH	PART NO.
3mm	6mm	**532131**
3mm	10mm	**532132**
3mm	16mm	**532133**
3mm	20mm	**532134**
4mm	6mm	**532135**
4mm	10mm	**532136**
4mm	16mm	**532137**
4mm	20mm	**532138**
4mm	25mm	**532139**
5mm	10mm	**532140**
5mm	16mm	**532141**
5mm	20mm	**532142**
5mm	25mm	**532143**
5mm	30mm	**532144**
6mm	10mm	**532145**
6mm	16mm	**532146**
6mm	20mm	**532147**
6mm	25mm	**532148**
6mm	30mm	**532149**





– WING NUTS –
DIN 315 - COARSE THREAD

SIZE	PITCH	PART NO.
5mm	.80	**532165**
6mm	1.00	**532166**

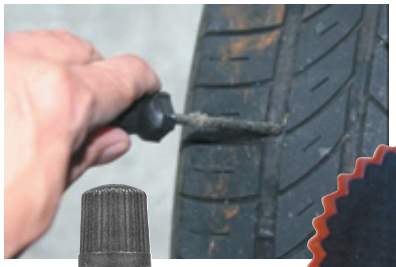


– GREASE FITTINGS –
DIN 71412

TYPE	SIZE	PITCH	PART NO.
Straight	6mm	1.00	**532167**
45°	6mm	1.00	**532170**
90°	6mm	1.00	**532189**
Straight	8mm	1.00	**532194**
45°	8mm	1.00	**532195**
90°	8mm	1.00	**532196**
Straight	10mm	1.00	**532197**
45°	10mm	1.00	**532198**
90°	10mm	1.00	**532199**

H - UNDER CAR











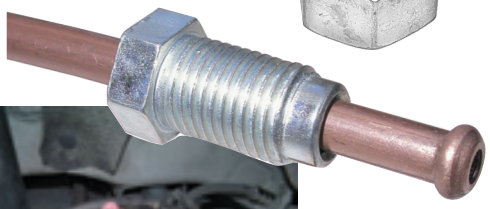


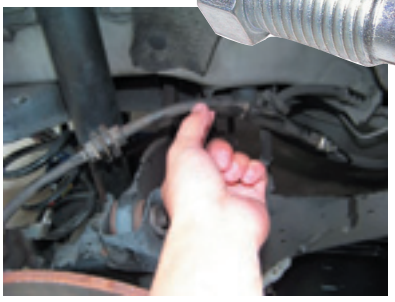




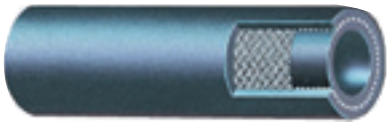




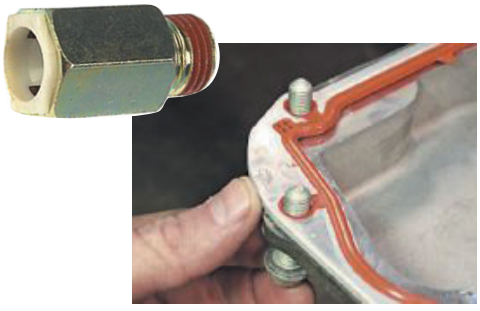




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H-UNDER CAR

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NOTES

WHEEL WEIGHTS

UNCOATED TYPE
AW, MC, P, T

COATED TYPE
AWN, EN, FN, IAW, LH, MCN, PS

LIGHT DUTY TRUCK
LT1, TN

MEDIUM DUTY TRUCK
I7

HEAVY DUTY TRUCK
I9

SPECIALTY
FSGET
coated for Lincoln Navigator

TAPED
Adhesive Style Lead and Non-Lead



We offer a wheel weight program that consists of original equipment approved products. With more cars and light trucks coming equipped with expensive alloy wheels, it is important to have the right products to properly service them.

All wheel weights are NOT created equal. Our wheel weights for steel wheels have over twice the retention of the closest competitor's weight for steel wheels.

In addition to fitting correctly, they are specially coated with Wheel Protectors® polymer coating. Wheel Protectors polymer coating is the approved original equipment coating used on new cars' and light trucks' wheel weights to prevent corrosion of the alloy wheel that normally occurs when uncoated or improperly coated wheel weights are used. They are designed to meet or exceed all OEM specifications to protect the wheels from damaging corrosion for the life of the vehicle when

WHEEL WEIGHTS

WHEEL WEIGHTS for STEEL WHEELS

"P" UNCOATED SERIES

Used on all standard passenger car 13"-15" steel wheels. Clips are plated and batch salt-spray tested to comply with demanding OEM corrosion resistance specifications.



PART NUMBER	SIZE (IN OZ.)	PKG QTY
715240	1/4	50
715241	1/2	50
715242	3/4	50
715243	1	50
715254	1-1/4	50
715244	1-1/2	50
715255	1-3/4	50
715245	2	50
715256	2-1/4	50
715246	2-1/2	50

PART NUMBER	SIZE (IN OZ.)	PKG QTY
715257	2-3/4	50
715247	3	50
715258	3-1/4	25
715248	3-1/2	25
715259	3-3/4	25
715249	4	25
715250	4-1/2	25
715251	5	25
715252	5-1/2	25
715253	6	25

"PS" COATED SERIES (Silver)

These are like our popular "P" Series weights with an OEM-style polymer coating in silver. They blend in with silver styled wheels, improving the appearance of the balanced wheel.



PART NUMBER	SIZE (IN OZ.)	PKG QTY
715160	1/4	25
715161	1/2	25
715162	3/4	25
715163	1	25
715164	1-1/4	25

PART NUMBER	SIZE (IN OZ.)	PKG QTY
715165	1-1/2	25
715166	1-3/4	25
715167	2	25
715168	2-1/4	25
715169	2-1/2	25

"T" UNCOATED SERIES

Preferred by many due to sleek streamlined cross section. Has sufficient thickness to resist breakage when installed. Fits same applications as "P" type passenger weights. Due to additional length, available only thru 3 oz. Available in sizes: 1/4 oz. thru 3 oz. in 1/4 oz. increments.



***STYLES MAY VARY**

Note: Entire series will be discontinued once stock is depleted.

PART NUMBER	SIZE (IN OZ.)	PKG QTY
715175	1/4	50
715176	1/2	50
715178	1	50
715179	1-1/4	50
715180	1-1/2	50

PART NUMBER	SIZE (IN OZ.)	PKG QTY
715181	1-3/4	50
715182	2	50
715184	2-1/2	50
715185	2-3/4	25
715186	3	50

COATED WHEEL WEIGHTS for TRUCK STEEL WHEELS

"TN" SERIES for LIGHT DUTY TRUCKS

Used on 1988 and Newer domestic light trucks with decorative and larger thickness steel wheels. The special polymer coating ensures that these decorative steel wheels are not damaged by corrosion. Also used on 1997 and Newer Ford F100, F150, Ford Expedition, and Lincoln Navigator alloy wheels. 1999 and Newer Chevrolet and GMC full size trucks with alloy wheels.



CADILLAC
2001 Escalade
CHEVROLET TRUCKS
2005-88 All Full Size with steel wheels
2005-99 All Full Size with alloy wheels
DODGE TRUCKS
2005-93 All Full Size with steel wheels
FORD TRUCKS
2005-92 All Full Size with steel wheels
2005-92 Explorer with chrome over steel
2005-97 Expedition, Excursion, F150 with alloy wheels
GMC TRUCKS
2005-88 All Full Size with steel wheels
2005-99 All Full Size with alloy wheels
LINCOLN
2005-98 Navigator
MERCURY
2005-92 Mountaineer with chrome over steel

PART NUMBER	SIZE (IN OZ.)	PKG QTY
715513	1/4	25
715514	1/2	25
715515	3/4	25
715516	1	25
715517	1-1/4	25
715518	1-1/2	25
715519	1-3/4	25
715520	2	25
715521	2-1/4	10

PART NUMBER	SIZE (IN OZ.)	PKG QTY
715522	2-1/2	10
715523	2-3/4	10
715524	3	10
715525	3-1/4	10
715526	3-1/2	10
715527	3-3/4	10
715528	4	10
715529	4-1/2	10
715530	5	10

WHEEL WEIGHTS

WHEEL WEIGHTS for ALLOY WHEELS

for alloy wheels have a special polymer coating. The silver/gray coating prevents corrosion of the alloy wheel that normally occurs with uncoated wheel weights. They are designed to meet or exceed all OEM specifications to protect the wheels from lead staining corrosion for the life of the vehicle.



1. Some GM vehicles equipped with Vogue chrome-plated aluminum wheels require **QuikStik®** adhesive weights.
2. Some vehicles equipped with **Polycast®** wheels require **"MCN" series** weights on the outboard side and **"P" series** on the inboard side.
3. Some models require **"FN" series.**

ACURA
1995-89 All
AMC/EAGLE
1987-83 Alliance
1988-80 Eagle
1987 GTA
1992-88 Premier
BUICK
1996-80 Century
1990-80 Electra, LeSabre & Park Ave.
1988-80 Regal
1990-80 Riviera
1999-82 Skylark
1987-85 Somerset Regal
CADILLAC
1990-80 All makes & models
CHEVROLET
1996-87 Beretta
1992-80 Camaro
1990-80 Caprice, Impala
1999-83 Cavalier
1990-83 Celebrity
1985-80 Citation
1996-87 Corsica

CHEVROLET (cont'd)
2005-80 Corvette
1983-80 Malibu
1988-80 Monte Carlo
1988-85 Nova (FWD)
1988-85 Spectrum
1980 Vega
1995 G10 Series Van
CHRYSLER
1995/prior All makes & models
DODGE
1995/prior All makes & models
GEO
1993-90 Storm
GMC
1987 Caballero
1992-87 Jimmy K5, Yukon K5 4WD
1994-87 Jimmy S15 2WD & 4WD
1993-87 S15 Series & Sonoma 2WD & 4WD
1991-87 C1500 & R1500 Series 2WD Pickup & Suburban
1992-87 Safari Mini Van, 2WD & 4WD
1995-87 G1500 Series Van

GMC (cont'd)
1991-87 K1500 & V1500 Series 4WD Pickup & Suburban
1995 G Series Van
ISUZU
1995/prior All makes & models
JEEP
1992-91 Briarwood
1997-87 Cherokee Sport Wagon 2WD & 4WD
1992-87 Comanche 2WD & 4WD Pickup
1988-87 J10 Pioneer Series Pickup
1988-87 Grand Wagoneer
1990-87 Wagoneer (XL Model)
1997-87 Wrangler
OLDSMOBILE
1990-80 98 Regency & Delta 88
1991-85 Calais
1988-80 Cutlass (RWD)
1996-82 Cutlass Ciera
1996-88 Cutlass Supreme (FWD)
1988-82 Firenza, Starfire
1984-80 Omega

OLDSMOBILE (cont'd)
1991-80 Toronado
1998-92 Achieva
1994-91 Bravada
PLYMOUTH
1989-80 All makes & models
PONTIAC
1990-82 6000
1990-80 Bonneville
1988-84 Fiero
1996-80 Firebird
1999-85 Grand Am (exc. w/16" wheels)
1988-80 Grand Prix
1999-82 J2000
1984-80 Phoenix
1999-95 Sunbird/Sunfire
1988-85 Sunburst
1995-81 Trans Am w/15" wheels
Sterling
1990-89 All makes & models

UNCOATED

"AW" SERIES

Except for the coating, the design features and applications are identical to the "AWN" series. The "AW" series is an economical alternative to OEM quality wheel weights.

PART NUMBER	SIZE (IN OZ.)	PKG QTY
715362	1/4	50
715317	1/2	50
715363	3/4	50
715318	1	50
715364	1-1/4	50
715319	1-1/2	50

PART NUMBER	SIZE (IN OZ.)	PKG QTY
715365	1-3/4	50
715320	2	50
715366	2-1/4	50
715321	2-1/2	50
715367	2-3/4	50
715322	3	50

COATED

"AWN" SERIES

The "AWN" series is the recommended weight for all applications shown. The "AWN" series meets all OEM quality specifications.

PART NUMBER	SIZE (IN OZ.)	PKG QTY
715370	1/4	25
715371	1/2	25
715372	3/4	25
715373	1	25
715391	1-1/4	25
715374	1-1/2	25

PART NUMBER	SIZE (IN OZ.)	PKG QTY
715392	1-3/4	25
715375	2	25
715393	2-1/4	25
715376	2-1/2	25
715394	2-3/4	25
715377	3	25

- Except for the coating, the design features of the **AW & MC** series are identical to the **AWN & MCN** series.
- These series are economical alternative to OEM quality coated weights.

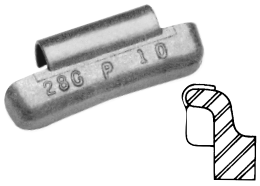
*** We recommend that coated weights be used on all vehicles having alloy wheels.**

WHEEL WEIGHTS

WHEEL WEIGHTS for ALLOY WHEELS

COATED WHEEL WEIGHTS

for alloy wheels have a special polymer coating. The silver/gray coating prevents corrosion of the alloy wheel that normally occurs with uncoated wheel weights. They are designed to meet or exceed all OEM specifications to protect the wheels from lead staining corrosion for the life of the vehicle.



1. Some GM vehicles equipped with Vogue chrome-plated aluminum wheels require **QuikStik®** adhesive weights.
2. Some vehicles equipped with **Polycast®** wheels require "**MCN" series** weights on the outboard side and **"P" series** on the inboard side.
3. Some early 1990 vehicles used **"AWN".** Verify application with rim gauge.

AMC/EAGLE
1997-89 Summit
1998-90 Talon & Vision
BUICK
1999-91 Riviera
2005-88 Regal
2005-97 Century
CADILLAC
1996-93 Brougham (Fleetwood RWD)
2005-91 Deville
2005-92 Eldorado
1993-91 Fleetwood (FWD)
2005-92 Seville
CHEVROLET
1991-88 Beretta
2005-00 Cavalier
2005-89 Lumina APV
2001-89 Lumina Sedan
2005-97 Malibu, Malibu Maxx

CHEVROLET (cont'd)
2005-93 Camaro / Iroc Z & Z28
1996-92 Caprice
2005-95 Monte Carlo
2005-00, Impala
1996-95
CHRYSLER
1997-90 All makes & models
DODGE
1997-90 All makes & models
FORD
2005-80 All makes & models
LINCOLN
2005-80 All makes & models
MAZDA
2005-80 Some makes & models
MERCURY
2005-80 All makes & models

MITSUBISHI
1998-90 Eclipse
OLDSMOBILE
2005-90 Some makes & models
PLYMOUTH
2000-90 Most makes & models
PONTIAC
2005-89 Grand Prix
1990-88 Trans Am w/16" wheels
2005-95 Trans Sport APV
2005-91 Bonneville
2005-96 Firebird & Trans Am
SATURN
2005-91 All
SUBARU
2005-96 Legacy

Trucks with 16x6k tubeless type steel wheels

*Some wheels require QuikStik weights. Recommended where there is no flange or the flange is less than 3/16" deep.

UNCOATED

"MC" SERIES

Except for the coating, the design features and applications are identical to the "AWN" series. The "AW" series is an economical alternative to OEM quality wheel weights.

PART NUMBER	SIZE (IN OZ.)	PKG QTY
715432	1/4	50
715311	1/2	50
715433	3/4	50
715312	1	50
715434	1-1/4	50
715313	1-1/2	50

PART NUMBER	SIZE (IN OZ.)	PKG QTY
715435	1-3/4	50
715314	2	50
715436	2-1/4	50
715315	2-1/2	50
715437	2-3/4	50
715316	3	50

COATED

"MCN" SERIES

The "MCN" series is the recommended weight for all applications shown. The "MCN" series meets all OEM quality specifications.

PART NUMBER	SIZE (IN OZ.)	PKG QTY
715380	1/4	25
715381	1/2	25
715382	3/4	25
715383	1	25
715395	1-1/4	25
715384	1-1/2	25

PART NUMBER	SIZE (IN OZ.)	PKG QTY
715396	1-3/4	25
715385	2	25
715397	2-1/4	25
715386	2-1/2	25
715398	2-3/4	25
715387	3	25

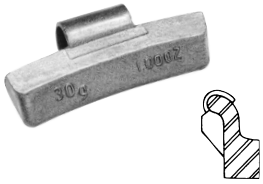
- Except for the coating, the design features of the **AW & MC** series are identical to the **AWN & MCN** series.
- These series are economical alternative to OEM quality coated weights.

*** We recommend that coated weights be used on all vehicles having alloy wheels.**

COATED WHEEL WEIGHTS for ALLOY WHEELS

"IAW" SERIES

Used on many import car alloy wheels. They replace most two-piece alloy wheel weight designs commonly found on vehicles manufactured in Europe.



PART NUMBER	SIZE (GRAMS)	PKG QTY
715170	5	25
715351	10	25
715352	15	25
715353	20	25
715354	25	25
715355	30	25

PART NUMBER	SIZE (GRAMS)	PKG QTY
715356	35	25
715357	40	25
715360	45	25
715358	50	25
715361	55	25
715359	60	25

Approximately 28 grams = 1 ounce

ACURA
1989 All makes & models
AMC/EAGLE
1990-88 Medallion
AUDI
1996-80 All makes & models
BMW
2005-80 All makes & models
GEO
1995-89 Metro
1990 Prizm
1990-89 Spectrum
1990 Storm
HONDA
1989 All makes & models

HYUNDAI
2005-95, All makes & models
1990-86 except Tiburon
2001-97 Tiburon
INFINITI
1990 All makes & models
JAGUAR
2005-88 All makes & models*
KIA
2005-95 All makes & models
LEXUS
1990 All makes & models
MERCEDES-BENZ
1990-80 All makes & models

MITSUBISHI
1999-96 3000GT
2005-95 Diamante
2005-99 Eclipse, Eclipse Spyder
2005-95 Galant
2005-03 Lancer
2003-95 Mirage
2005-95 Montero (Utility)
2005-04 Endeavor
2005-04 Lancer Sportback
2005-04 Outlander
1995 Pickup 2WD & 4WD
NISSAN/DATSUN
1990-80 All makes & models

SAAB
2005-83 All makes & models
SUBARU
2005-80 All makes & models except Legacy & Outback
TOYOTA
1990-88 All makes & models volkswagon
1996-80 All makes & models
VOLVO
2005-80 All makes & models

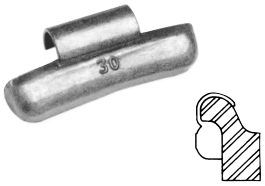
RV's with Alcoa 16x6k wheels

WHEEL WEIGHTS

COATED WHEEL WEIGHTS for ALLOY WHEELS

"FN" SERIES

This series is designed for the thicker flange alloy wheel being used on many Japanese vehicles.



PART NUMBER	SIZE (GRAMS)	PKG QTY
715461	10	25
715462	15	25
715463	20	25
715464	25	25
715465	30	25
715466	35	25

PART NUMBER	SIZE (GRAMS)	PKG QTY
715467	40	25
715468	45	25
715469	50	25
715470	55	25
715471	60	25

Approximately 28 grams = 1 ounce

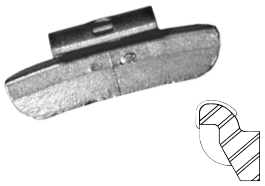
ACURA
2005-89 All makes & models*
2005-01 MDX Light Trucks*
AMC/EAGLE
1996-93 Summit Wagon
CHEVROLET
2001-98 Metro
2003-98 Prizm
DAEWOO
2005-99 All makes & models
DODGE
1994-93 Colt
GEO
1997-90 Prizm
1997-96 Tracker - 2WD & 4WD
HONDA
2005-89 All makes & models*
2005-98 CRV - 2WD & 4WD
2005-04 Element
2005-00 Odessey Mini Wagon
2005-02 Pilot
INFINITI
2005-97 All makes & models*
2003-97 QX4*
2005-04 QX56*
ISUZU
2005-97 All makes & models
LEXUS
2005-90 All makes & models*
2005-96 All light trucks
MAZDA
1996-88 929
2005-90 Miata
2005-95 Millenia
2005-95 MPV 2 & 4WD (Lace & Spoke)
2005-01 Tribute
2003-95 Protege, Protege 5
2005-04, 1996-93 RX7 & RX8
MERCURY
2003-95 Villager Mini Van
MITSUBISHI
1997-92 Diamante
1995-93 Galant
1997-93 Mirage
NISSAN/DATSUN
2005-90 All makes & models*
2005-04 Armada 2WD & 4WD
2005-95 Pathfinder*
2005-95 Pickup 2WD & 4WD
2005-95 Quest Mini Van*
2005-00 Xterra
PONTIAC
2005-03 Vibe
TOYOTA
2005-90 All makes & models*
2005-95 4 Runner (Utility) 2WD/4WD*
2005-95 All Pickups*
2005-01 Highlander
2005-95 Landcruiser
1996-95 Previa & Sienna 2WD & 4WD
2005-96 RAV4

*Some wheels require QuikStik weights. Recommended where there is no flange or the flange is less than 3/16" deep. Some vehicles are equipped with U.S. produced wheels. These have a different inboard/outboard configurations. Consult the wheel application guide or use a rim gauge, **Part No. 213361** to verify the correct application.

"LH" SERIES

The "LH" series meets all OEM quality specifications. Used on late model Chrysler cars. Designed to fit unique wheel flange profile.

CHRYSLER/DODGE/PLYMOUTH
2004-98 Chrysler Concorde, LHS, 300M
2005-98 Chrysler Town & Country
2005-98 Dodge Intrepid
2005-98 Dodge Caravan / Mini Ram Van FWD & AWD
2001-98 Plymouth Voyager Mini Van FWD & AWD
2005-98 Town & Country Van FWD & AWD
2005-02 PT Cruiser
2005-02 Voyager



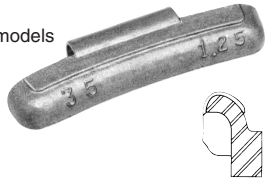
PART NUMBER	SIZE (GRAMS)	PKG QTY
715501	1/4	25
715502	1/2	25
715503	3/4	25
715504	1	25
715505	1-1/4	25
715506	1-1/2	25

PART NUMBER	SIZE (GRAMS)	PKG QTY
715507	1-3/4	25
715508	2	25
715509	2-1/4	25
715510	2-1/2	25
715511	2-3/4	25
715512	3	25

"EN" SERIES

The "EN" series is designed for Acura, Audi, Honda, Mercedes Benz and VW Alloy Wheels.

ACURA
1988-86 All makes & models
AUDI
2005-97 All makes & models
HONDA
1988-80 All makes & models
MERCEDES BENZ
2005-95 All makes & models
VOLKSWAGEN
2005-97 All makes & models
2005-97 VW Eurovan



PART NUMBER	SIZE (GRAMS)	PKG QTY
715475	10	25
715476	15	25
715477	20	25
715478	25	25
715479	30	25
715480	35	25

PART NUMBER	SIZE (GRAMS)	PKG QTY
715481	40	25
715484	45	25
715482	50	25
715485	55	25
715483	60	25

Approximately 28 grams = 1 ounce

"LT1" SERIES for LIGHT DUTY TRUCKS

Used basically on light-duty trucks, 3/4 ton and 1 ton vehicles with either tube or tubeless rims where such rims are thick for "C" type series weights. Also for use on heavier trucks with thin rim flanges.

Note: Use "C" type weights on 1/2 ton vehicles.
INTERCHANGES WITH SP-9, BTS, B-1 SERIES



PART NUMBER	SIZE (IN OZ.)	PKG QTY
715450	1/2	10
715451	1	10
715452	2	10

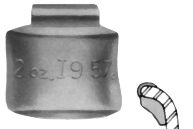
PART NUMBER	SIZE (IN OZ.)	PKG QTY
715275	4	10
715276	6	10

WHEEL WEIGHTS

COATED WHEEL WEIGHTS for ALLOY WHEELS

"I9" SERIES for HEAVY DUTY TRUCKS

A thin style weight used on heavy-duty trucks where there may be interference with steering parts. Also for use on rims too thick for "I7" type weights. Basic rim sizes 7.50 and 8. Trucks 3 ton and over.

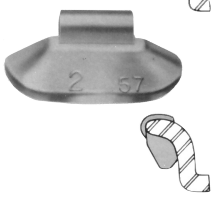


PART NUMBER	SIZE (IN OZ.)	PKG QTY
715283	4	12
715284	6	12
715285	8	12

PART NUMBER	SIZE (IN OZ.)	PKG QTY
715286	10	12
715287	12	12

"I7" SERIES for MEDIUM DUTY TRUCKS

Most popular weight for the medium-duty trucks. Used on a majority of trucks with tube type tires. 1-1/2 to 3 ton trucks tube type rims 8.25 x 20 to 9.00 x 20. Interchanges with SP17, BTLM, E-7.



PART NUMBER	SIZE (IN OZ.)	PKG QTY
715290	2	12
715291	2-1/2	12
715292	3	12
715293	3-1/2	12
715278	4	12

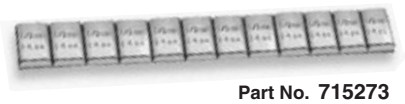
PART NUMBER	SIZE (IN OZ.)	PKG QTY
715279	6	12
715280	8	12
715281	10	12
715282	12	12

ADHESIVE STYLE WHEEL WEIGHTS & TOOLS

QuickStik® QuickTab® Segmented Adhesive Style Weights



Part No. 715272



Part No. 715273



Part No. 715274

PASSENGER CARS, MOTORCYCLES & LIGHT TRUCKS

The only pre-cut, pre-taped weight. With these unique features there is no cutting, no-pre-contouring, and no waste. Each segment stamped with the actual weight in ounces and grams. Box contains: 30-3 oz. strips pre-cut in 1/4 oz. (7 grams) increments of 1/2" width.

TRUCK & RV APPLICATIONS

Larger weight designed specifically for trucks and RVs. The 6 oz. 3/4" wide strips are pre-cut in 1/2 oz. (14 gram) increments. Each segment is stamped with the actual weight in ounces and grams. Each box contains 30 strips. Includes 360 weights (1/2 oz.)

TRUCK APPLICATIONS

The 6 oz. 3/4" wide strips are pre-cut in 1 oz. increments. Each segment is stamped with the actual weight in ounces and grams. Each box contains 30 strips. Includes 180 weights (1 oz.)

A NON-LEAD SOLUTION



LOW PROFILE

Part No. 715266

● 5 gram increments ● 60 grams per piece ● 25 pieces per box



STANDARD PROFILE

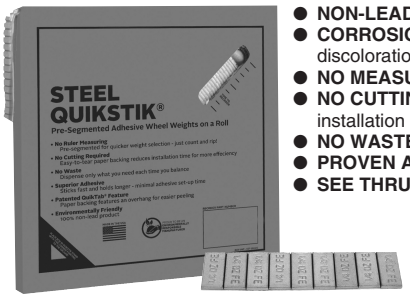
Part No. 715268

● 0.25 ounce increments ● 3 ounces per piece ● 25 pieces per box

- **NON-LEAD -** low environmental impact - non-toxic.
- **QUICKTAB® FEATURE -** easy removal of protective back liner.
- **PRE-SEGMENTED -** no cutting or complicated measuring, no special tools required.
- **UNIQUE TRAPEZOID CROSS SECTION DESIGN -** allows easy contouring to any wheel without bridging.
- **TWO SKU'S - STANDARD AND LOW PROFILE -** inventory consolidation.
- **HIGH PERFORMANCE ACRYLIC OE ADHESIVE -** superior adhesion and heat resistance.
- **WHEEL PROTECTORS® COATING -** protects wheel from discoloration and rust.

ADHESIVE WHEEL WEIGHTS ON A ROLL

Pre-Segmented Adhesive Wheel Weights on a roll. Just count & tear off.



- **NON-LEAD -** low environmental impact.
- **CORROSION-FREE COATINGS -** protects wheel from discoloration & rust.
- **NO MEASURING -** pre-segmented for quick weight selection.
- **NO CUTTING -** easy to tear paper backing reduces installation times.
- **NO WASTE -** dispense only what you need for the job.
- **PROVEN ADHESIVE -** sticks faster and holds longer.
- **SEE THRU WINDOW -** reminds you it's time to reorder.

(PSS021516.REV032817)

Truck & RV Applications

- Std. profile (0.3125" H).
- Nano coating (5 years).
- 0.50 oz. segments.
- All Weather™ white tape.
- 1" width, 20 lb. roll.
- 640 segments per roll.

Part No. 715271 (1/2 ounce segments)

Passenger Cars & Light Trucks Applications

- Low profile (0.15" H).
- Nano coating (5 years).
- 0.25 oz. segments.
- All Weather™ white tape.
- 1" width, 20 lb. roll.
- 1,280 segments per roll.

Part No. 715277 (1/4 ounce segments)

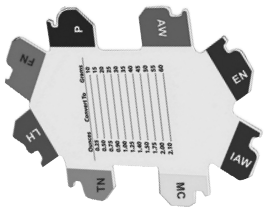
ADHESIVE WHEEL WEIGHT REMOVAL TOOL



Part No. 11339

- **Designed to remove wheel weights without damaging expensive rims.**
- **Made of high impact plastic.**
- **Simply pry off the wheel weight with the tool & a light tap of a hammer.**

PASSENGER CAR RIM GAUGE



When used in conjunction with the alloy wheel weight application guide (located in front of your H10 section), this gauge helps the installer choose the proper weight for virtually any passenger wheel.

Part No. 213361

WHEEL WEIGHTS

WHEEL WEIGHT REMOVER SPRAY ON GEL

Formulated to remove the adhesive left behind after the wheel weights have been removed prior to wheel balancing.

USE TO:
- Remove wheel weight adhesive
- Remove gasket adhesive
- Remove thread locking adhesive

SAFE ON:
- Aluminum
- Alloy
- Steel Wheels

THICK FORMULA
Clings to Surfaces...



(PSS021616)

Part No. 211242
20 oz. Aerosol • 14 oz. Net Weight

WHEEL WEIGHT TOOLS

Installs, removes, trims & tightens all types of wheel weights. Both have plastic coated handles for added comfort.



- This sturdy passenger car wheel weight tool is the industry standard.

Part No. 11349



- This tool features a special plastic on the hammer head for safe, mar-free installation of coated wheel weights used on alloy wheels

Part No. 11356

WHEEL WEIGHTS ASSORTMENTS

THE ECONOMICAL ALTERNATIVE
(OE coated weights recommended for cars produced after 1985.)

"AW" & "MC" UNCOATED SERIES

FOR GM, FORD & CHRYSLER

- Combined domestic.
- Contains 1/2 to 3 ounce sizes.



Part No. 501396
112 pieces • 12 items
12061 steel tray

715311	715315	715319
715312	715316	715320
715313	715317	715321
715314	715318	715322

Numbers in assortment

"P" UNCOATED SERIES

WITH FREE WHEEL WEIGHT TOOL NO. 11349

- Five of the fastest moving weights, allows you to save space and cut unnecessary inventory.



Part No. 715002
151 pieces • 6 items

11349	715243	715245
715241	715244	715246

Numbers in assortment

"TN" COATED SERIES

FOR LIGHT DUTY TRUCKS

- 2005-88 Light Trucks.
- Contains 1/4 to 2 oz. sizes.



Part No. 715531
92 pieces • 8 items
12043 plastic tray

715313	715316	715319
715314	715317	715320
715315	715318	

Numbers in assortment

"IAW" COATED SERIES

FOR MOST EUROPEAN & JAPANESE CARS

- 2005-80 model applications.
- Toyota, Nissan, etc.
- VW, Volvo, Mercedes, etc.
- Contains 10 to 60 gram sizes.



Part No. 715350
36 pieces • 9 items
12043 plastic tray

715351	715354	715357
715352	715355	715358
715353	715356	715359

Numbers in assortment

COMPLETE MASTER

- Contains 53 different weights - (AW, MC, IAW, LH, FN, TN and EN Series.
- Includes 1,325 weights, free standing storage unit with application chart, coated weight hammer and (2) rim gauges.
- Covers most domestic and foreign late model OE alloy wheel applications.
- AW, MC, LH, T Series - 1/4 to 2 ounces.
- IAW, EN, FN - 10 to 40 grams.

Part No. 715000



COMBINED COATED DOMESTIC

- Covers GM, Ford & Chrysler.
- AWN and MCN Series.
- Contains 1/4 to 3 ounce sizes.
- OE quality.



Part No. 501419
74 pieces • 16 items
12050 steel tray

715370	715374	715380	715384
715371	715375	715381	715385
715372	715376	715382	715386
715373	715377	715383	715387

Numbers in assortment

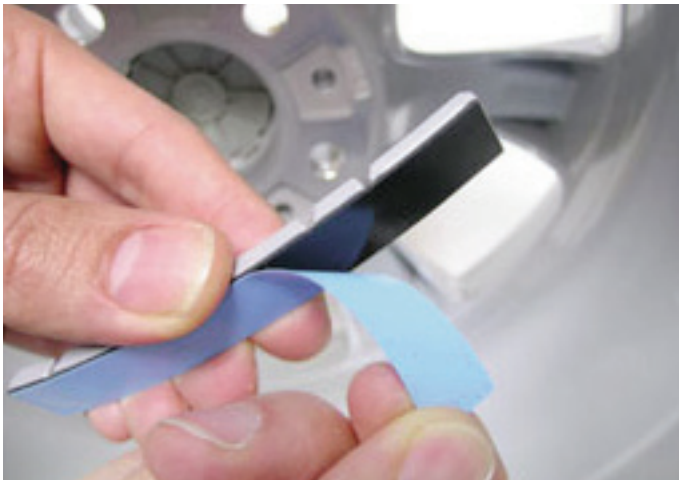
SECTION

H UNDER CAR













H10-7 PIX **PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.**

TUBELESS TIRE VALVES

TUBELESS TIRE VALVE ASSORTMENT

FREE
With every order of a Tubeless Tire Valve Assortment, you receive our Tubeless Tire Valve Tool, Part No. 715331, shown below, FREE.

Part No. 715001
60 pieces • 5 items

The 5 most popular valves giving the widest possible coverage: 715210, 715211, 715212, 715213, 715214



TUBELESS TIRE VALVE INSERTING TOOL

Designed to quickly and easily install any snap-in tubeless tire valve

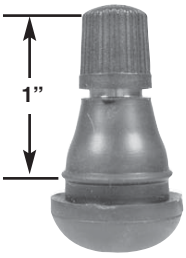
Part No. 715331
Tool Only



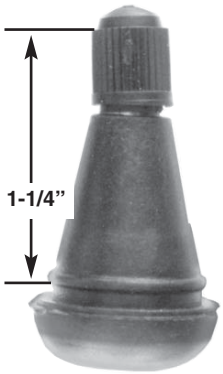


1 - LUBRICATE before inserting by dipping lower half of valve in a soap solution.
2 - INSERT valve through rim hole and screw swivel head of tool on to cap thread.
3 - PULL valve, using tool handle as lever, into rim hole until it has seated properly.

ACTUAL SIZE TIRE VALVE ILLUSTRATIONS



Part No. 715715 (50)
.453" Rim Hole
Rim Size 14
(TR412)



Part No. 715210 (50)
.625" Rim Hole
Rim Size 15
(TR415)



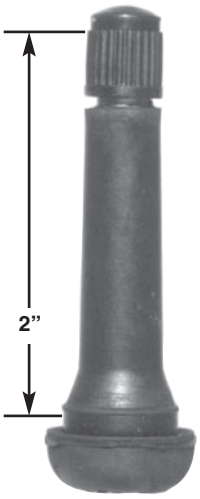
Part No. 715211 (50)
.453" Rim Hole
Rim Size 14
(TR413)



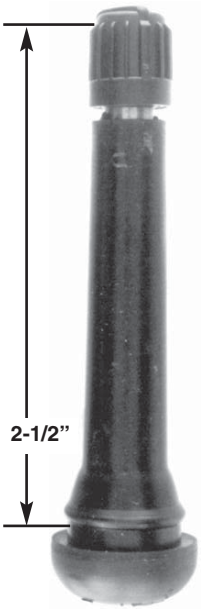
Part No. 715201 (50)
.453" Rim Hole
Rim Size 14
(TR414)



Part No. 715212 (50)
.625" Rim Hole
Rim Size 15
(TR425)



Part No. 715213 (50)
.453" Rim Hole
Rim Size 14
(TR418)



Part No. 715214 (50)
.453" Rim Hole
Rim Size 14
(TR423)

AUTOMOTIVE CLAMP-IN TUBELESS TIRE VALVE

- **Universal.**
- **Rubber grommets fit .453 or 5/8" rim holes.**
- **Fits Schrader 36040K2-5.**
- **Fits Dill VS-902CR.**
- **Nickel plated.**



PART NUMBER	QTY	INDUSTRY NUMBER	LENGTH (INCHES)
715110	2	TR416	1-1/4

HIGH PRESSURE SNAP-IN VALVE

- **Ideal for car and light truck.**
- **Fits rim holes .453 or 5/8".**
- **Maximum air pressure 100 PSI.**
- **Brass.**



PART NUMBER	QTY	INDUSTRY NUMBER	LENGTH (INCHES)
715151	25	TR600HP	1-1/4

TIRE VALVES & ACCESSORIES

TRUCK & BUS CLAMP-IN TUBELESS VALVES

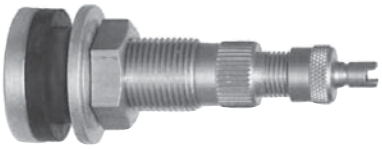


- Straight clamp-in valves.
- Fits 5/8" side hole mounting.
- For demountable and non-demountable rims.
- No special tools needed to install.

PART NUMBER	QTY	INDUSTRY NUMBER	LENGTH (INCHES)
715112	4	TR 571	3-17/32
715113	4	TR 501	1-21/32
715114	4	TR 500	2-5/32

PART NUMBER	QTY	INDUSTRY NUMBER	LENGTH (INCHES)
715115	4	TR 570	3-9/32
715116	4	TR 572	3-29/32
715117	4	TR 573	4-17/32

CLAMP-IN TUBELESS AIR-LIQUID VALVE



- For farmer tractor and roadgraders.
- Fast filling, large bore type.
- Complete with core housing.

PART NUMBER	INDUSTRY NUMBER	LENGTH (INCHES)
715143	TR618A	2-1/2

TIRE & VALVE PARTS ASSORTMENT



Part No. 501603
168 pieces • 19 items
12071 steel tray

11345	**715212**	**715217**	**715241**
715110	**715213**	**715218**	**715242**
715201	**715214**	**715219**	**715243**
715210	**715215**	**715236**	**715244**
715211	**715216**	**715240**	

Numbers in assortment

Excellent coverage for any shop that performs tire service & repair.

- Keeps all the small parts organized
- Includes the most popular valve stems, cores, caps, extensions and weights.

LARGE BORE VALVE CAP and ADAPTER

LARGE BORE VALVE CAP - HEX HEAD



Part No. 711457

PART NUMBER	INDUSTRY NUMBER	QTY
711457	TRVC7	10

LARGE BORE ADAPTER



Part No. 711460

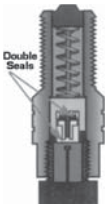
- Reduces to standard bore .302-32 thread.
- Complete with gasket.

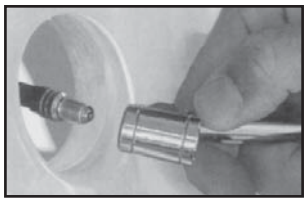
PART NUMBER	INDUSTRY NUMBER	QTY
711460	TR-AD1	10

V2B INFLATE THRU VALVE CAP



PART NUMBER	QTY	INDUSTRY NUMBER
715154	25	V2B





- Inflate, deflate or gauge directly thru the valve cap.
- Performs like a check valve, seal becomes tighter as air is added.
- Designed for hi-pressure truck tire service.
- Seals like a hi-pressure cap with convenience of an inflate thru extension.
- All metal housing, precision fit brass components, durable self-sealing o-rings.

VALVE CAPS

*Required by I.C.C. for trucks & other commercial vehicles.



PART NUMBER	MATERIAL	TYPE	QTY
715218	plastic	Std.	100
715219	metal*	Std.	25
715150†	metal	Std.	50
715200	gray plastic	Std.	100

† Nickel plated

VALVE CORES

- Universal short core.
- Fits all tire valves.



PART NUMBER	APPLICATION	QTY
715236	Universal Short Core	50
715152	VI-AH Short Heat resistant	50

REPLACEMENT CORE HOUSING



PART NUMBER	INDUSTRY NUMBER	APPLICATION	QTY
715107	TR-CH3	Complete w/valve core & cap. Fits new design fast flow tractor valves.	2

VALVE EXTENSIONS



PART NUMBER	MATERIAL	LENGTH	QTY
715215	plastic	3/4	25
715216	plastic	1-1/4	25
715217	plastic	1-1/2	25

TRUCK VALVE EXTENSIONS

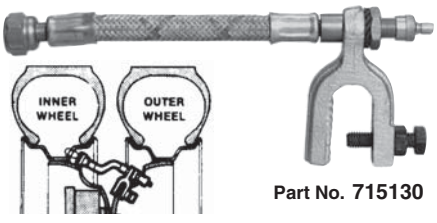
Nickel plated hi-heat cap.



PART NUMBER	LENGTH	QTY
715129	4-1/8	2

VALVE STEM EXTENSION

For inner dual wheels.



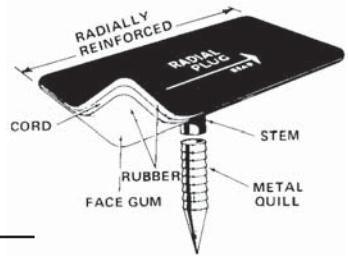
Part No. 715130

TIRE REPAIR

RADIAL TIRE PLUG-N-PATCH

Fills The Hole . . . Seals The Injury - Permanently, In One Easy Application

- **Radially reinforced to repair ALL radial tires.**
- **Plug and patch seal and vulcanize to become part of the tire.**

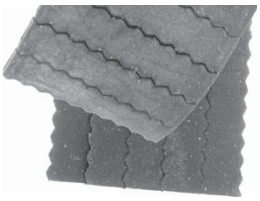


PART NUMBER	QTY	SIZE
715237	12	For 1/8" puncture
715238	12	For 1/4" puncture
715239	12	6 For 1/8" puncture
		6 For 1/4" puncture



FREE - Carbide buffing cone in every box.

E-Z STRIP REPAIR



- **A vulcanizing "on the wheel" tubeless tire repair.**
- **Easily repairs sidewalls and shoulders.**
- **Serrated for positive grip.**
- **Becomes a permanent part of tire.**

PART NUMBER	WIDTH	QTY
715325	Regular width	50

E-Z STRIP REPAIR ASST.



1—box of 50 pieces—No. 715325 E-Z Strip Repairs
1—No. 715327 E-Z Strip Repair Needle
1—No. 715328 E-Z Probe
1—No. 715232 Universal Cement

Part No. 715004

RU-GLYDE® TIRE MOUNTING & RUBBER LUBRICANT

Industry-Approved — Triple Purpose

LUBRICATES TIRES
Makes tube and tubeless tire mounting and demounting faster & easier. Lubricates beads to protect against tool damage and to help seat beads on rim. Protects against tire slippage after mounting.

LUBRICATES RUBBER PARTS AND FITTINGS.
Removes squeaks from rubber bushings, grommets, stabilizer, linkage, shackles, strips.

CLEANS, RENEWS RUBBER, VINYL.
For tires, floor mats, leather and vinyl upholstery and tops. Helps restore a "Just New" look.



Part No. 211345G1
1 gallon

TIRE STRING

New Improved Tubeless Tire Repair Make Fast, Easy On-The-Wheel Repairs



4" FAT BROWN **Part No. 715332** 30
Use **Part No. 715327** Open-eye needle

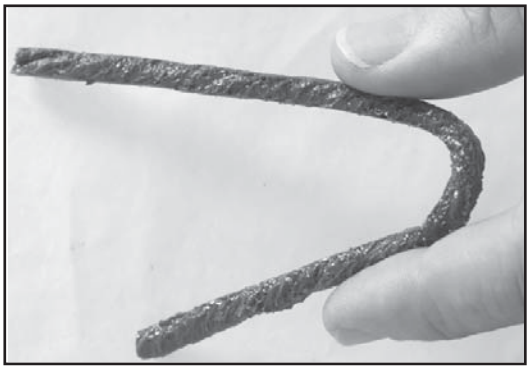


6" BLACK **Part No. 715333** 50
Use **Part No. 715334** Closed-eye needle

- **Vulcanizes from road heat.**
- **Permanent repair in minutes.**

HEAVY DUTY TRUCK TIRE STRING

High tensile cord, assures no breakage.



7-1/4" BROWN **Part No. 715156** 25
Use **Part No. 715327** Open-eye needle

RU-GLYDE® II TIRE LUBRICANT CONCENTRATE

For Those Who Prefer to "Mix Their Own" at Less Cost
A lubricant concentrate for mounting and demounting tires that is easy to mix—no mess, no guess.
Just add water to the measured amount of concentrate in its container to make one gallon of full strength lubricant for fast, easy tire mounting and demounting.
When mixed and used according to directions, RuGLYDE II protects tire beads from tool damage and helps seat beads on rim.
Will not induce rust nor cause tires to slip on wheels after mounting & balancing.
Also recommended for rubber part and fitting lubrication.



Part No. 715202
26 oz. Concentrate in 1-Gallon Container

REMA TIRE REPAIR

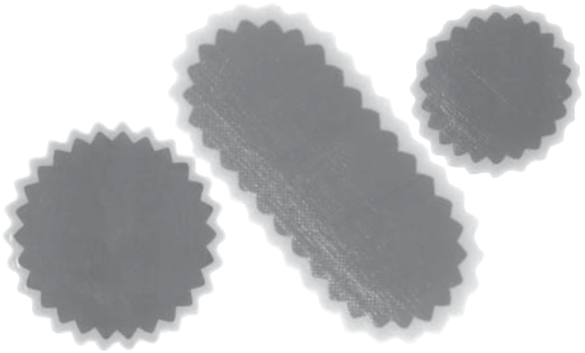
BOW TIE INSERTS



High tensile rubber that is covered by a dual cure cushion gum. Permanently bonds to the casing via dual cure vulcanization.

PART NUMBER	DESCRIPTION	SIZE	PER BOX
714556	Passenger Car	3/8 x 2-3/8	50
714557	Truck	5/8 x 3-1/8	20
714558	Earth Movers	3/4 x 4	20

COLD VULCANIZING FEATHER EDGE PATCHES



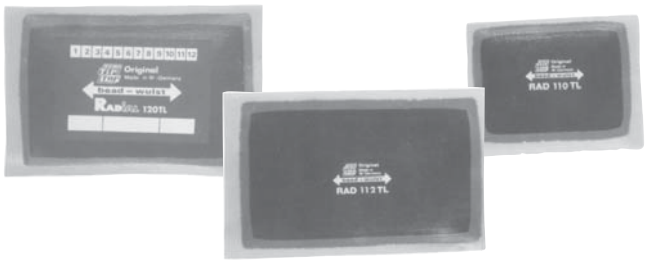
RED EDGE PATCHES
Use on: all tubes
Patches vulcanize without the application of heat when applied to properly prepared surface using REMA Cold Vulcanizing Fluid.

PART NUMBER	REMA NO.	PER BOX	SIZE (INCHES)
715406	0	100	1-1/4 round
715407	1	30	1-1/2 round
715408	2	30	1-3/4 round
715409	3	30	2-1/8 round
715410	4	30	3 round
715411	7	30	3 x 1-1/2 oval

REMA FLEX "R" "100 SERIES" CENTER-OVER-INJURY RADIAL REPAIR UNITS

Remaco's famous "100" Series of radial tire repair units has replaced older styles of "bead-to-tread-center" patches throughout the entire world... virtually revolutionizing the process of radial repair patch reinforcement. A truly amazing patch system. Each unit has a special "shock absorber" construction which absorbs and disperses the high flex forces designed into radial tires.

The following listing allows you to choose the patch you need according to vehicle and tire type and injury classification.



NUMERICAL LISTING OF REMA RADIAL TIRE PATCHES

PART NUMBER	REMA NO.	PER BOX	SIZE (INCHES)
715419	RAD 0	10	1-1/2 x 1-1/2
715420	RAD 110	20	2 x 2-3/4
715421	RAD 116	10	4 x 2-5/8
715423	RAD 120	10	3 x 4-7/8
			(Trucks)

PASSENGER CAR "100 SERIES"

PART NUMBER	REMA NO.	SIDEWALL MAX. INJURY SIZES (INCHES) A	R	TREAD & SHOULDER MAX. INJURY SIZE (INCHES) C	R	TIRE WIDTH / TYPE
715420	RAD 110	1/4	1/2	1/4	1/4	All Sizes
		1/2	1-1/2			125-185
715421	RAD 116	3/4	1-1/4	1/2	1/2	P155-P195
						All HR Rated
715423	RAD 120	1/4	1/4	1/4	1/4	Tire

LIGHT TRUCK "100 SERIES"

PART NUMBER	REMA NO.	SIDEWALL MAX. INJURY SIZES (INCHES) A	R	TREAD & SHOULDER MAX. INJURY SIZE (INCHES) C	R	TIRE WIDTH / TYPE
715420	RAD 110	up to 1/8		up to 1/8		All Sizes
715421	RAD 116	1/4	1/4	1/4	1/4	All Sizes
		1/2	1-1/2			
715423	RAD 120	3/4	1-1/4	1/2	1/2	6.00-7.50
						7 R-8.5R
						175R-215R
						(6-8PR)

BIG TRUCK "100 SERIES"

PART NUMBER	REMA NO.	SIDEWALL MAX. INJURY SIZES (INCHES) A	R	TREAD & SHOULDER MAX. INJURY SIZE (INCHES) C	R	TIRE WIDTH / TYPE
						8.25-14.00
715420	RAD 110	up to 1/8		up to 1/8		9.-15.5
						8.25-14.00
715421	RAD 116	up to 1/4		up to 1/4		9.-15.5
		2 cords x 3/4				6.50 x 14.00
715423	RAD 120	1 cord x 1-1/2				7.5-15.5

TRACTOR "100 SERIES"

PART NUMBER	REMA NO.	SIDEWALL MAX. INJURY SIZES (INCHES) A	R	TREAD & SHOULDER MAX. INJURY SIZE (INCHES) C	R	TIRE WIDTH / TYPE
715420	RAD 110	up to 1/4		up to 1/4		All Sizes
715421	RAD 116	3/8	3/8	3/8	3/8	All Sizes
715423	RAD 120	1-1/4	3/4	3/4	3/4	All Sizes

REMA TIRE REPAIR & TIRE REPAIR TOOLS

REMA'S UNIVERSAL PATCH

The only patch you'll ever need for making a nail hole repair. The universal patch applies non-directional, center-over-injury, on any type of tire - passenger or truck, radial or bias, tube or tubeless.



PART NUMBER	REMA NO.	PER BOX	SIZE (INCHES)
715405	UP 6	20	2-3/4 x 2-3/4

SHOP TOOLS / MISCELLANEOUS CHEMICALS

REMA STITCHER

- Corrugated stitching tool for securing patches to tube and tires.
- REMA No. 30



Part No. 715413

REMA COLD VULCANIZING FLUID

- Rubber to rubber vulcanization.
- Use on: patches for tubes, tubeless tires, small radial repairs.
- 8 oz. brush top can.
- Non-flammable.
- REMA No. 203



Part No. 715415

REMA SPECIAL CEMENT

- Inside the tire bonding where cords are exposed.
- Use on: all radial repair patches.
- 8 oz. brush top can.
- Non-flammable.
- REMA No. BL-8



Part No. 715416

REMA LIQUID RUBBER BUFFER

- Use to remove silicones, talcs, etc. before buffing.
- Cleaning aid only, not a substitute for mechanical buffing.
- 16 oz. spray can.
- Non-flammable.
- REMA No. 70



Part No. 715417

REMA RIM & BEAD SEALER

- Seals minor leaks bead of tire & wheel rim.
- 1 quart brush top can.
- Non-flammable.
- REMA No. 960



Part No. 715418

CUP RASP

- Used with a tire buffer to prepare the surface of the inside of a tire before applying a repair patch.





PART NUMBER	QTY	DIA.	WIDTH	GRIT	MAX. RPM	ARBOR HOLE
715439	1	2-1/2	5/8	36	25,000	3/8"

RASPS

- Hole injury must be clean and roughened before inserting repair units.
- Rema quality.
- For non-steel belted tires
- Rema No.199



Part No. 715425

- 1/4'' Rasp for all passenger radial tires.
- Rema No.6003

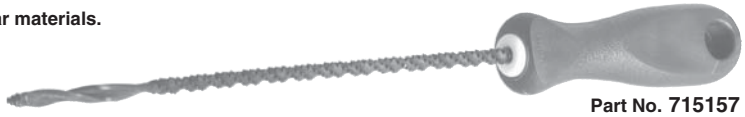


Part No. 715426

PROFESSIONAL HEAVY DUTY TRUCK TIRE RASP

This all purpose tool is used for truck tire repair. Also preferred by electricians, plumbers, carpenters and other craftsman.

- Multiple uses: works on rubber, leather, wood, plastic & similar materials.
- Corrugated style with screw tip.
- 1/4" diameter, 9" blade length.
- Because of its round tooth design it can saw any radius or profile.



Part No. 715157

TIRE REPAIR & TOOLS

TRUCK CLOSED-EYE NEEDLE

Part No. 715158



- 8" closed-eye needle for trucks.
- 11 inches overall length.

CARBIDE CUTTERS





- Diamond cut, long-life cutters are manufactured from high-quality, high carbide content steel.
- Ideal for preparing nail hole injuries.

PART NUMBER	DESCRIPTION
715438	1/8" Pointed Carbide Cutter - Rema CC3
715449*	1/4" Pointed Carbide Cutter - Rema CC6

*3" Length

HEAVY DUTY TRUCK STRING REPAIR KIT

- Contains 25 truck H.D tire strings.
- Probe rasp.
- T-handle with needle.
- Allen wrench.



Part No. 715155

TIRE REPAIR TOOL

- Professional quality steel tire tool for heavy duty use.
- Simplifies installation.

Part No. 715336



T-HANDLE PROBE TOOL

- Professional quality steel spiral tire tool for heavy duty use.
- Simplifies installation.

Part No. 715338



OPEN END NEEDLE

- Replacement open-end needle for tire tool #715336.



Part No. 715337

E-Z STRIP REPAIR NEEDLE

- Makes installation easy.
- Use with all strip repair material.
- Tool design may vary.



Part No. 715327

E-Z PROBE

- Cleans injury before repairing.
- Applies cement to injury.
- A must for steel-reinforced tires.



Part No. 715328

TIRE STRING REPAIR NEEDLE

- Closed-eye.



Part No. 715334

RUBBER TIRE/TUBE PATCHES

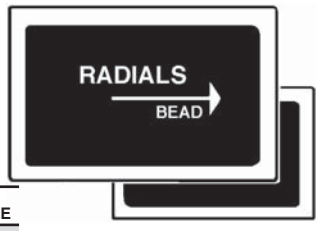
- Apply hot or cold.
- Self-vulcanizing.
- Light, flexible, super-dense rubber.
- Hairline feather edge.
- Split backing for easy application.
- Gray rubber fills hole & tire irregularities.
- Seals both tube and tubeless tires.
- Cures from "heat of the road".



PART NUMBER	QTY	SIZE
715223	40	1-1/2 dia. small round
715224	30	2-1/4 dia. med. round

RADIAL TIRE PATCHES

- Designed to flex with radial tires.
- Polyester cord reinforced.
- Apply hot or cold.
- Beveled edge.



PART NUMBER	QTY	PATCH SIZE	MAXIMUM INJURY SIZE
715206	10	small	1/8
715207	10	medium	1/4
715208	10	large	1/2

TIRE REPAIR & TOOLS

SOSGRIP GUN PLUGS

- Special soft rubber compound.
- For use with all hand and air operated plug guns.
- Complete with plastic tip.



PART NUMBER	QTY	SIZE
715221	50	5/16
715222	30	7/16

E-Z PLUG GUN

- The fastest, easiest way to repair most punctures "on" or "off" the wheel.
- For best results, use our 5/16", 3/8" & 7/16" repair plugs.
- Complete with two nozzles.

Replacement nozzles only:
715203 - Small for 5/16" & 3/8" plugs
715204 - Large for 7/16" plugs



Part No. 715205

UNIVERSAL CEMENT

- Non-flammable Type C.
- Use with string, plug, foil back, universal, bias-ply, and radial repairs.



Part No. 715232
8 oz. can

RUB-R-KLEEN

- Cleaner & buffing solution.
- Removes dirt, silicone, soap, talc, oil, wax.
- Prepares repair surface for a positive bond.
- Use with all tire repairs.



Part No. 715330
1 qt. can

BEAD SEALER

- A new Bead Sealer formulated for radial and standard tubeless tires.
- A single application to tire bead makes a positive seal between rim and tire to prevent air seepage.



Part No. 715335
1 qt. brush-top can

RIM RELEASE
A multi-application chemical

- Ideal for use in tire & auto service shops, heavy duty industrial, agricultural & marine use.
- Quickly dissolves & loosens rust, corrosion & dirt.
- Lubricates seized materials for easy removal, separation & smooth operation.
- No harsh odors, like similar products.
- Cleans & removes grease, tar & other build up.
- Leaves a thin coating to help protect metal parts.



Part No. 211388
1 gallon

YELLOW TIRE MARKING CRAYONS



Part No. 715235 6

- Best quality available.
- Marks tire failures for easy, quick identification.
- Packed 6 per box.

SWABS

Ideal for applying lubricant to tire beads & rims.

- Approx. length: 10-1/2".

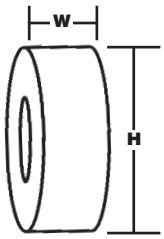


Part No. 716657

SLIME™ Flat Tire Eliminator™

For Low Speed Tires
under 45mph / 75km
H Height (inches) x
W Width (inches)
x .12 = ounces required

For High Speed Tires
over 45mph / 75km
H Height (inches) x
W Width (inches)
x .06 = ounces required



Prevents flats in all types of pneumatic tires. Performs repeatedly. Lasts up to two years.

- Seals gaps up to 3/16" in size in any tube or tubeless tire.
- Environmentally safe, non-hazardous, non-flammable formula.
- Installs easily and works repeatedly.
- Does not freeze or dry up and remains active for up to 2 years.
- Save time and money. Eliminate job site repairs and downtime.
- Simply remove valve stem, install recommended amount and re-inflate tire.







5 GAL. PAIL AVAILABLE
Part No.
SB5G

Application Guide for 1 Tire

Tire Type	Amount
Passenger Car Wheelbarrow Trailer	8 oz. / 250ml
Light Utility 4 x 4 Truck	12 oz. / 375ml
Golf Cart Riding Mower	16 oz. / 500ml

PART NUMBER	SIZE
S1000	32 oz. bottle
SB1G	1 gal. jug w/pump
SB5G	5 gal. pail
SBAP	Pump for 5 gal.pail

TIRE REPAIR & TOOLS

EUROPASTE

Extra slippery lubricant for mounting tires with stiff beads and to aid in bead seating.

Part No. 715340



Part No. 715369



- No water or mixing required.
- Use directly from the container.
- Wax type.
- Lubricant for alloy wheels, low profile & run flat tires.



(PSS020916)

PART NUMBER	SIZE
715369	8 lb. Bucket Low Profile
715340	8 lb. Bucket
715341	Applicator Brush

SLIPTAC BEAD LUBRICANT

A liquid bead lubricant for easier mounting of car, truck, bus and OTR tires.



- Non-combustible & Non-Toxic.
- Ready to use.
- Dries fast, leaves no residue.
- Prevents rim slippage & rust.

PART NUMBER	SIZE
715339G1	1 gallon

TIRE & TUBE COMPOUND

Excellent for packing beads.

- Concentrated formula.
- Economical & long lasting.
- For mounting & demounting all types of tires.
- Rust inhibitor added.
- Biodegradable.



PART NUMBER	SIZE	WHEN MIXED WITH WATER MAKES
715342	8 lb. Bucket	5 gallons
715344	25 lb. Bucket	16 gallons

LIQUITUBE "THE ORIGINAL LIQUID INNER TUBE"

Made in USA

Premium, heavy duty, preventative maintenance tire sealant. Scientifically developed for Commercial and Industrial tires that are subject to hard and heavy use.

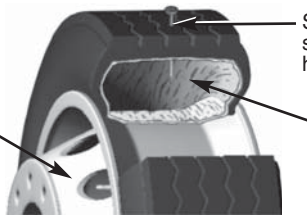
1 Gallon Pump dispenses 1 ounce per stroke.



(PSS010716)

PART NUMBER	DESCRIPTION
211384	32 oz. Bottle
211384G1	1 Gallon
211384G5	5 Gallon Pail
211385G55	55 Gallon Drum
211385	5 Gallon Pump
211386	Installation Tool

Installs easily through the valve stem once the valve core is removed.

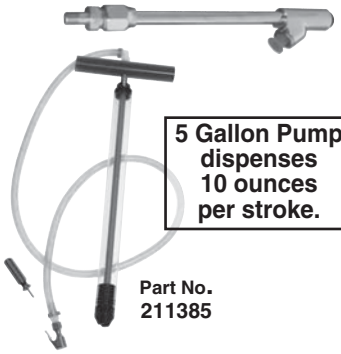


Seals punctures up to 1/4" in standard tires. Up to 3/4" in heavy ply tires.

Coats all inner surfaces of tire & rim to prevent all forms of air loss including rim, bead, & porosity leaks.

Installation Tool fills outer tires on dual axles.

Part No. 211386



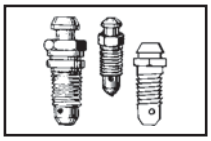
5 Gallon Pump dispenses 10 ounces per stroke.

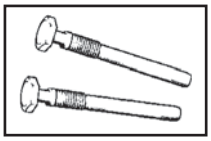
Part No. 211385

- Permanent seal.
- Good for tire life.
- Helps maintain air pressure.
- Stops flats.
- Saves fuel.
- Extends tire life.
- Prevents casing damage.
- Reduces downtime.
- Eliminates tire repair costs.
- Keeps tires up to 35° cooler.
- Reduces blow-outs.
- Reduces thrown re-treads.
- Effective from -45°F to over 200°F.
- Content never separates, no mixing required.
- Indefinite shelf life.
- 100% Water soluble for easy cleanout.
- Meets EPA standards for municipal disposal.
- Non flammable and non hazardous.
- Will not rust, corrode, or pit wheels.
- Does not void tire manufacturer warranties.
- More effective in tubeless tires.

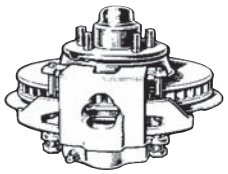
DISC BRAKE PARTS

- Complete line of most used parts.
- Reduce downtime and improve profitability.
- Brake parts & housing bolts are available in assortments or packed individually.


Bleeder Screws


Housing Bolt Kits


Brake Parts



DOMESTIC NUMERICAL LISTING — BUYER'S GUIDE

SHORT SLEEVE
pop. rating: AA



AMC, GM: D52, D121, D122, D139, D153, D154, D191, D202, D313, D392, D459

Part No. 21552 6

INNER BUSHING
pop. rating: AA



5/8" ID
27/32" OD

AMC, GM: D52, D121, D122, D138, D153, D162, D191, D313, D368, D369, D370, D392, D459

Part No. 21555 2

OUTER BUSHING
pop. rating: AA

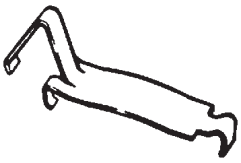


3/8" ID
35/64" OD

AMC, GM: D52, D122, D138, D139, D153, D154, D191, D313, D392, D459

Part No. 21556 6

SHOE RETAINER CLIP
pop. rating: AA



AMC, GM: D52, D122

Part No. 21562 (50)

ANTI-RATTLE CLIP
pop. rating: AA



Color Code:
Silver

Ford: D50, D91, D92, D102, D129, D149, D184, D205, D249, D360, D375, D387, D607

Part No. 21571 (50)

SHOE RETAINER CLIP
pop. rating: AA



GM: D121, D138, D139, D159, D162, D183, D202, D289

Part No. 21572 (50)

SHOE CLIP
pop. rating: AA



Color Code:
Yellow

Ford Truck: D50, D91, D205, D249, D326, D360, D375, D387, D607

Part No. 21720 6

BUSHING
pop. rating: New



GM: D215. D289, D505, D506, D673

Part No. 319576 2

IMPORT NUMERICAL LISTING — BUYER'S GUIDE

SHOE RETAINING CLIP



Toyota: D42, D114, D137, D436

Part No. 319501 2

KEEPER CLIP



Universal Applications

Part No. 319510 25

RETAINER CLIP
(Universal)



Toyota, Universal: D48, D54, D115, D178

Part No. 319540 25

ANTI-RATTLE CLIP



Chev., GEO, Mazda, Toyota: D241, D242, D332, D356, D501

Part No. 319706 2

DISC BRAKE PARTS, GUIDE BOLTS & PINS

IMPORT NUMERICAL LISTING — BUYER'S GUIDE

RUBBER PIN BOOT



Isuzu, Toyota: D240, D245, D263, D282, D301, D309, D527, D528, D615

Part No. 319708 2

RUBBER BUSHING



Ford, Honda, Hyundai, Infiniti, Nissan, Sterling, Suzuki, Volvo: D230, D231, D232, D247, D272, D276, D333, D404, D406, D422, D429, D430, D449, D451, D462, D464, D485, D497, D498, D499, D526, D540, D542, D556, D601

Part No. 319763 25

SPRING



Mazda: D188

Part No. 319843 2

NUMERICAL LISTING — BUYER'S GUIDE

GUIDE BOLT

pop. rating: AA



Length: 3.970"
Thread: 7/16" x 20
Hex: 3/8" Allen

AMC, GM: D52, D122, D153, D154, D202, D392

Part No. 319363 2

GUIDE PIN

pop. rating: A



Length: 2.5"
Thread: M10 x 1.25
Hex: 10mm

Chrysler: D142, D219, D259

Part No. 319365 2

GUIDE BOLT

pop. rating: B



Length: 3.150"
Thread: 7/16" x 14
Hex: 5/16" Allen
OE - T45 Torx

Ford: D237, D310, D431

Part No. 319475 2

GUIDE BOLT

pop. rating: A



Length: 1.70"
Thread: M9 x 1.25
Hex: 7/32" Allen
OE - T40 Torx

Audi, BMW, Ford, Jaguar, Mercury, Saab, VW: D179, D257, D298, D322, D324, D394, D395, D396, D403, D417, D517, D548, D558

Part No. 319476 2

GUIDE BOLT

pop. rating: B



Length: 2.60"
Thread: M11 x 1.5
Hex: 8mm Allen
OE - T47 Torx

GM: D289

Part No. 319477 2

GUIDE PIN

pop. rating: AA



Length: 3.65"
Old Style
Steel Thread: .045

Ford: D50, D120, D205, D249, D326, D360, D375, D387, D450, D557, D607

Part No. 319484 2

DISC BRAKE PARTS

BRAKE HOSE COPPER SEALING GASKETS

- For brake hoses leading to disc brake calipers.
- Soft annealed pure copper provides best sealing.

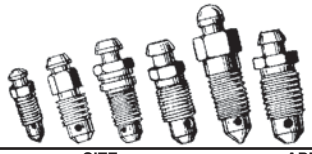


PART NUMBER	I.D. (INCHES)	I.D. *NEAREST FRACTION	O.D. (INCHES)	O.D. *NEAREST FRACTION	THICK	QTY
419192	.450	7/16	.800	13/16	.062	12
419012	.560	9/16	.810	13/16	.033	12
419013	.400	13/32	.625	5/8	.079	12
419014	.530	17/32	.810	13/16	.064	6
419015	.600	39/64	.810	13/16	.032	12
419016	.510	33/64	.710	23/32	.032	12
419017	.450	29/64	.626	5/8	.060	12
419018	.405	13/32	.667	21/32	.051	12

*Fractional sizes listed are not exact.

H13

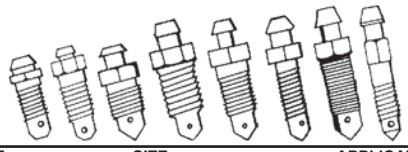
FRACTIONAL BLEEDER SCREWS



VALUE PACK BOX OF 50 VOLUME USER DISCOUNT

PART NUMBER	QTY	SIZE	APPLICATION INTERCHANGE
21536	12	1/4-28 x 59/64	AMC 309179, 3112184 Bendix 48654 Chrysler 2072658 EIS B955 Ford CODZ-2208-A GM 2381769, 5461419, 5462999 IHC 867524-R1 Jeep 67540 Wagner 6446
21537	12	5/16-24 x 1-1/16	Bendix 323242, 618074 Chrysler 2881619 Ford E3TZ-2208-A GM 5469230 Wagner 57188
21538	12	5/16-24 x 1-3/16	Fits various cars and trucks. Visual identification is necessary.
21539	12	3/8-24 x 1-11/64	AMC 48032, 3113347, 3202102 Bendix 49206, 618406 Chrysler 854039, 1666493, 1924376 2781019 EIS B70 Ford 8M-2208 GM 5455122 IHC 48819-H, 71565-R1 Jeep 639947 Wagner 6858
21540	12	3/8-24 x 1-1/2	Bendix 302861 EIS B3805 Ford D2TZ-2208-B, C8AZ-2208-B GM 5456895, 5459294, 5459470 Wagner 33512
21541	12	7/16-20 x 1-17/64	Fits various cars and trucks. Visual identification is necessary.

METRIC BLEEDER SCREWS



VALUE PACK BOX OF 36 VOLUME USER DISCOUNT

PART NUMBER	QTY	SIZE	APPLICATION INTERCHANGE
21631	6	Thread - M8 x 1.25 Length - 23.5mm	Bendix 2227429 Fiat 4230797 GM 18003151
21632	6	Thread - M10 x 1.5 Length - 27.5mm	Bendix 2238710 GM 18004702
21633	6	Thread - M10 x 1.0 Length - 27.54mm	Bendix 2227427 Ford D1RY-2208-A, D8RZ-2208-A GM 14071826 Jaguar JLM 787 Peugeot 4428.24 VW 477-615-273
21634	6	Thread - M10 x 1.0 Length - 32.75mm	Datsun 41128-21010 Dodge MB366146 Honda 45224-663-671, 45215-671-672 Toyota 47547-12020, 47547-12030, 47547-12010
21635	6	Thread - M10 x 1.0 Length - 35.0mm	Bendix 2227426 Datsun 41128-U3400 Dodge MA151623, MA169990 GM 94020770 Honda 45224-533-004
21636	6	Thread - M7 x 1.0 Length - 32.0mm	Audi 803-615-271, 431-615-271 Bendix 2227425 BMW 34111121206, 34111153197 Chrysler MB618298 Daihatsu 47547-87204-000 Ford D77Z-2208-A Mazda 23333691 Renault 8983500036 Saab 8955411 Toyota 47547-20010, 47547-12040 VW 113-615-273
21637	6	Thread - M10 x 1.0 Length - 38.5mm	Dodge MA140271 Ford E5R4-2208A Nissan 41128-22000 Toyota 47547-20030
21638	6	Thread - M7 x 1.0 Length - 38.55mm	Subaru 6252-01031 VW 113-141-707, 113-615-273A, 211-611-477A, 311-615-273

FRACTIONAL and METRIC BRAKE BLEEDER SCREW ASSORTMENTS

- Includes repair kits for 1/4", 5/16", 3/8" and 7/16" bleeder screws.
- Provides over 90% coverage for the most popular import cars, light trucks and late domestic models.
- Fast moving replacements for those hard-to-get, easy-to-lose, bleeder screws.

Part No. 501302
96 pieces • 14 items
12050 steel tray





- Fast moving replacements for those hard-to-get, easy-to-lose bleeder screws.

FRACTIONAL
Part No. 21535
30 pieces • 6 items
12032 plastic tray

METRIC
Part No. 21630
30 pieces • 8 items
12031 plastic tray

- Provides over 90% coverage for the most popular import cars, light trucks and late domestic models.

Our Exclusive



DISC BRAKE & DRUM BRAKE HOLDDOWN PARTS

HOLDDOWN PIN



1-23/32"

I.D. Code: T, AMC, Audi, GM, IHC Truck, Jeep, Nissan / Datsun, Toyota

Part No. 21523 (25)

"C" CLIP



Ford Motors

Functional equivalents. Either one may be shipped.

Part No. 319487 (25)

HOLDDOWN CUP



GM, GM Truck, Jeep, Mitsubishi Truck, Volkswagen Sta. Wgn., Volkswagen Truck

Part No. 21529 (25)

"C" CLIP



AMC, Chevrolet, Ford, Jeep

Part No. 21526 (100)

"E" CLIP



Chrysler Motors, GM

Part No. 52846 (50)

COTTER PIN



All makes - All models

Part No. 51726 (500)

"C" CLIP



Chrysler Corp., GM

Part No. 319486 (6)

ADJ. HOLE COVER (rubber)



All Years
All makes - All models

Part No. 21524 (100)

BRAKE HOSE LOCK



All makes - All models

Part No. 419176 (50)

WHEEL STUDS AND NUTS

HUB-SCRUB

Impact rated lug / disc surface cleaner.

- No need to change tools.
- Removes rust, corrosion & other build-up from wheel studs, drums & tire rims.
- Helps proper torque of lug nuts by removing corrosion.
- A must for easy & accurate tire balancing.

REPLACEMENT PADS AVAILABLE:
Part No. 811731-3 (3/pak)



Part No. 811730

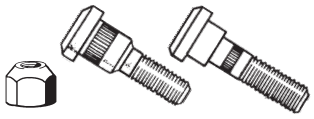


MASTER STUD AND NUT ASSORTMENTS

Top coverage for both domestic and import cars and trucks.

NOW INCLUDES MANY LATE MODEL APPLICATIONS.

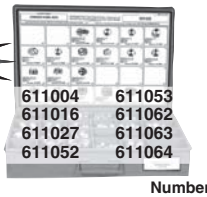
- Designed and engineered for precise fit and long service.
- Manufactured to rigid sepcs. from quality Hi-strength alloy steel.
- Exact replacement for OEM studs and nuts.
- Complete coverage for domestics and imports, cars and trucks.
- Up to date application book.
- Available in 16 different assortments, from starter size to shop size.
- Small refill packages available.



STANDARD WHEEL NUTS

- 18 nuts for excellent coverage.
- For all import cars and trucks.
- For all domestic cars and trucks.

PARTS BOOKLET PB 50 SHIPPED WITH THIS ASSORTMENT



Part No. 501426
96 pieces • 18 items
12017 steel tray

611004	611053	611065	611076	611115
611016	611062	611066	611077	611122
611027	611063	611072	611109	
611052	611064	611075	611110	

Numbers in assortment

SPECIAL WHEEL NUTS

- 19 nuts for excellent coverage.
- Used on domestic, imports, cars and trucks.
- Stainless steel or chrome capped nuts eplace OE upgrades.

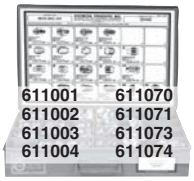
PARTS BOOKLET PB 50 SHIPPED WITH THIS ASSORTMENT



Part No. 501442
88 pieces • 19 items
12065 bin

611001	611070	611078	611091	611250
611002	611071	611084	611094	611251
611003	611073	611087	611113	611252
611004	611074	611089	611114	

Numbers in assortment



Part No. 501443
88 pieces • 19 items
12017 steel tray

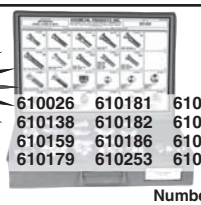
611001	611070	611078	611091	611250
611002	611071	611084	611094	611251
611003	611073	611087	611113	611252
611004	611074	611089	611114	

Numbers in assortment

GM PRODUCT WHEEL STUDS & NUTS

- 14 studs and 10 nuts for superior coverage.
- Most cars and trucks made by GM.

PARTS BOOKLET PB 50 SHIPPED WITH THIS ASSORTMENT



Part No. 501420
114 pieces • 22 items
12017 steel tray

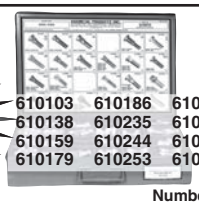
610026	610181	610254	611014	611062	611084
610138	610182	610262	611016	611063	611110
610159	610186	610284	611052	611066	
610179	610253	610328	611053	611070	

Numbers in assortment

POPULAR WHEEL STUDS

- Only the fastest moving studs.
- Basic coverage on Domestic and Imports, cars and trucks.
- Maximum coverage with minimum investment.

PARTS BOOKLET PB 50 SHIPPED WITH THIS ASSORTMENT



Part No. 610010
88 pieces • 22 items
12017 steel tray

610103	610186	610254	610285	610320	610378
610138	610235	610266	610306	610340	610414
610159	610244	610269	610312	610367	
610179	610253	610275	610318	610369	

Numbers in assortment

FORD PRODUCT WHEEL STUDS & NUTS

- 16 studs and 4 nuts for superior coverage.
- Most cars and trucks made by Ford.

PARTS BOOKLET PB 50 SHIPPED WITH THIS ASSORTMENT



Part No. 501421
100 pieces • 20 items
12071 steel tray

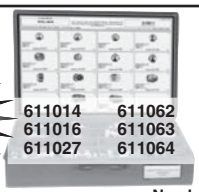
610109	610235	610302	610343	611016
610148	610252	610306	610344	611027
610176	610277	610340	610366	611062
610219	610290	610342	610365	611072

Numbers in assortment

POPULAR WHEEL NUTS

- 14 nuts for excellent coverage.
- Used on domestic, imports, cars and trucks.
- Stainless steel or chrome capped nuts replace OE upgrades.

PARTS BOOKLET PB 50 SHIPPED WITH THIS ASSORTMENT



Part No. 610011
88 pieces • 14 items
12050 steel tray

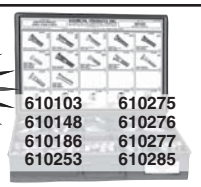
611014	611062	611065	611075	611250
611016	611063	611066	611087	611252
611027	611064	611072	611109	

Numbers in assortment

CHRY. PRODUCT WHEEL STUDS & NUTS

- 12 studs and 5 nuts for superior coverage.
- Most cars and trucks made by Chrysler.

PARTS BOOKLET PB 50 SHIPPED WITH THIS ASSORTMENT



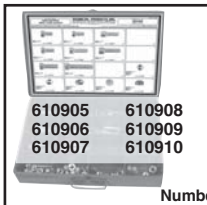
Part No. 501422
90 pieces • 17 items
12071 steel tray

610103	610275	610312	611027	611078
610148	610276	610369	611063	
610186	610277	610370	611066	
610253	610285	610414	611077	

Numbers in assortment

FARM EQUIPMENT WHEEL STUDS & NUTS

- Use on a broad range of agricultural equipment.
- All popular sizes for maximum coverage.



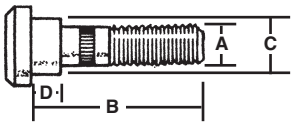
Part No. 501444
80 pieces • 13 items
12050 steel tray

610905	610908	610911	611027	611905
610906	610909	610912	611053	
610907	610910	611016	611055	

Numbers in assortment

WHEEL STUDS

Studs not listed here can be special ordered, 10 per box.



A = THREAD **C = KNURL**
B = LENGTH **D = SHOULDER**

SPECIFICATIONS

PART NUMBER	POP CODES	A	B IN./METRIC	C IN./METRIC	D IN./METRIC
610025	A	7/16-20	1-5/16	.564	3/8
610103	A	1/2-20	1-19/32	.673	9/16
610109	A	1/2-20	1-5/8	.625	15/32
610138	A	1/2-20	1-17/32	.535	5/16
610148	B	1/2-20	1-13/16	.622	3/4
610159	A	1/2-20	1-5/8	.620	19/32
610163	B	1/2-20	1-3/4	.545	7/16
610174	B	1/2-20	1-3/4	.668	9/16
610176	A	1/2-20	2	.560	23/32
610179	A	7/16-20	1-3/4	.565	7/8
610181	B	9/16-18	1-7/8	.623	21/32
610182	B	9/16-18	2-5/32	.623	1/2
610186	AA	7/16-20	1-1/2	.472	11/32
610219	A	1/2-20	3-17-32	.621	1-5/16
610234	B	1/2-20	1-5/8	.621	17/32
610235	AA	1/2-20	1-3/4	.620	11/32
610240	A	12mm-1.25	32.0mm	13.00mm	10mm
610244	AA	12mm-1.50	37.0mm	14.22mm	8mm
610252	B	1/2-20	1-15/16	.589	5/8
610253	A	12mm-1.50	38.5mm	14.10mm	11.5mm
610254	AA	12mm-1.50	41.5mm	12.73mm	8mm
610262	A	12mm-1.50	37.5mm	14.35mm	7mm
610263	B	12mm-1.25	32.5mm	12.83mm	7mm
610266	A	12mm-1.50	40.0mm	14.20mm	8mm
610269	AA	12mm-1.50	36.0mm	12.22mm	9mm
610275	A	12mm-1.50	41.5mm	14.30mm	6.5mm
610276	B	12mm-1.50	35.5mm	14.30mm	6.5mm
610277	B	1/2-20	2-1/4	.625	15/16
610284	B	9/16-18	1-31/32	.620	17/32
610285	AA	12mm-1.50	41.0mm	14.94mm	13.5mm
610287	A	1/2-20	1-29/32	.667	25/32
610290	B	1/2-20	2-3/16	.619	19/32
610302	B	12mm-1.50	42.0mm	14.45mm	11.5mm
610303	A	9/16-18	3-9/32	.677	15/16

SPECIFICATIONS

PART NUMBER	POP CODES	A	B IN./METRIC	C IN./METRIC	D IN./METRIC
610306	B	12mm-1.50	48.0mm	13.46mm	14mm
610312	A	12mm-1.50	44.5mm	14.17mm	12.5mm
610317	B	12mm-1.50	29mm	17mm	Ball Seat
610318	A	14mm-1.50	31mm	17mm	Ball Seat
610320	A	12mm-1.25	41.5mm	12.83mm	14mm
610322	B	12mm-1.25	30.5mm	14.27mm	6mm
610327	A	14mm-1.50	45.5mm	16.00mm	8.5mm
610328	A	14mm-1.50	43.0mm	15.88mm	6mm
610340	A	12mm-1.50	42.0mm	13.08mm	12.5mm
610342	B	12mm-1.50	46.5mm	13.59mm	14mm
610343	B	12mm-1.50	46.5mm	15.55mm	7.5mm
610344	B	12mm-1.50	46.0mm	13.59mm	11mm
610345	B	1/2-20	1-7/8	.570	19/32
610360	A	12mm-1.50	42mm	12.37mm	11mm
610362	A	12mm-1.50	34.0mm	12.30mm	9mm
610365	A	12mm-1.50	51.5mm	13.41mm	13.5mm
610366(2)	B	1/2-20	2	.585	3/4
610367	A	12mm-1.50	29.5mm	- -	- -
610368	B	1/2-20	1-31/32	.615	17/32
610369	A	12mm-1.50	46.0mm	15.00mm	18mm
610370	B	12mm-1.50	44.0mm	15.80mm	16.5mm
610375	B	12mm-1.25	41.5mm	14.25mm	14mm
610378	A	12mm-1.25	42mm	14.35mm	13.5mm
610384	B	12mm-1.50	44.5mm	15.87mm	13mm
610410	B	12mm-1.50	46.0mm	13.08mm	13mm
610414	A	12mm-1.50	45.0mm	14.38mm	10.5mm
610428	A	14mm-1.50	65.4mm	15.83mm	16.2mm
610475	BN	1/2-20	1.915	.615	.571
610498	A	12mm-1.50	19.65mm	11.7mm	- -
610502	BN	M14-1.50	50.0mm	16.02mm	18mm
610507	A	12mm-1.50	44.8mm	13.0mm	14.33mm
610510	A	9/16-18	2.472	.670	.76
610518	A	12mm-1.50	43.0mm	12.95mm	15.75mm
610527	A	14mm-1.50	45.5mm	16.5mm	10.85mm

ILLUSTRATIONS ARE 50% OF ACTUAL SIZE ALL STUDS ARE PACKED 12 PER BOX ☐ BOXED CODE INDICATES POPULAR HEAD MARKINGS

Part No. 610025



DN

1990-36 GM Products

Part No. 610103



TT

VV

1999-62 Chrysler Corp.

Part No. 610109



WW

WF

1997-49 Ford Motor Corp.
1999-56 Jeep

Part No. 610138



AB

2002-64 GM Products

Part No. 610148



DE

DF

1997-73 Chrysler
1986-61 Ford Motor Corp.

Part No. 610159



ES

2002-71 GM Products

Part No. 610163



BT

1975-73 Ford Motor Corp.
1975-73 Mercury

Part No. 610174



2004-72 Chry. Products
2007-98 Dodge Durango/Dakota

WHEEL STUDS

ILLUSTRATIONS ARE 50% OF ACTUAL SIZE ALL STUDS ARE PACKED 12 PER BOX ☐ BOXED CODE INDICATES POPULAR HEAD MARKINGS

Part No. 610176



FG

1997-74 Ford Motor Corp.

Part No. 610179



EY

1991-71 GM Truck
1991-74 Jeep

Part No. 610181



DR

1999-92 AM General
1999-71 Chev/GMC Truck

Part No. 610182



EC

1999-71 Chevy/
GMC Truck

Part No. 610186



V

J

1991-51 Chevy/GM Truck
1991-74 Jeep

Part No. 610219



BR

CF

DU

1970 Buick
1996-65 Ford
Motor Corp.
1970-67 Oldsmobile

Part No. 610234



FL

2006-93 Jeep
1976-75 AMC
1999-73 Chrysler Corp.

Part No. 610235



FR

1997-75 Ford Motor Corp.

Part No. 610240



D.2.0.

2003-97 Infiniti
2005-70 Nissan

Part No. 610244



T.2.0.

2005-90 Lexus
2009-68 Toyota

Part No. 610252



FS

1993-76 Ford Motor Corp.

Part No. 610253



M.1.0.

2009-82 Chrysler Corp.
2009-78 Dodge
1987-76 GM

Part No. 610254



M.1.1.

2002-91 Ford
2009-79 GM
1995-94 Honda
2008-91 Isuzu
2008-05 Saab
2009-91 Saturn

Part No. 610262



CU.1

1999-96 Acura
1982-76 GM Truck
2000-81 Isuzu Truck
2002-94 Honda

Part No. 610263



D.S.0.

1986-84 Nissan

Part No. 610266



T.6.0.

2009-85 Chevy
2009-89 GEO
2009-90 Lexus
2009-73 Toyota

Part No. 610269



H.3.0.

2008-86 Acura
2008 -80 Honda

Part No. 610275



C.1.2.

1997-71 Chry./Dod./Ply.
2001-94 Hyundai
1999-83 Mitsubishi

Part No. 610276



M.1.8.

1985-80 Dodge
1993-82 Dodge Truck
2001-85 Hyundai
2000-83 Mitsubishi
1985-79 Plymouth

Part No. 610277



BP

1993-76 Dodge Truck
1993-80 Ford Truck

Part No. 610284



1996-81 Chevy/GMC Truck

Part No. 610285



Clip Head

M.7.8.

2005-82 Chrysler
2005-81 Dodge &
Dodge Truck
2005-93 Mazda
2001-84 Plymouth

Part No. 610287



2005-02 Jeep
2001-94 Dodge Truck

Part No. 610290



2009-05 Ford
2005-73 Ford Truck

Part No. 610302



FM1

1994-83 Ford
1989-88 Lincoln
1994-83 Mercury

Part No. 610303

SEE H14-5 FOR
ACTUAL SIZE.

2009-87 Chrysler E-Series
2005-85 Ford Truck

Part No. 610306



FM3

1995-90 Ford
1991-90 Lincoln
1994-90 Mercury

Part No. 610312



2009-89 Dodge
Truck
2009-96 Lexus
2009-83 Mitsubishi
2009-79 Toyota

H14

WHEEL STUDS

ILLUSTRATIONS ARE 50% OF ACTUAL SIZE ALL STUDS ARE PACKED 12 PER BOX ☐ BOXED CODE INDICATES POPULAR HEAD MARKINGS

Part No. 610317



1987-80 Audi
2002-74 Volkswagen

Part No. 610318



2006-78 Audi
1982-77 Porsche
2008-92 Volkswagen

Part No. 610320



D.3.0.
D.1.0.

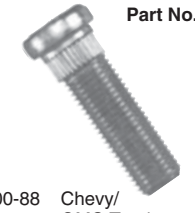
2008-90 Infiniti
2008-72 Nissan

Part No. 610322



1994-72 Subaru

Part No. 610327



2000-88 Chevy/ GMC Truck

Part No. 610328



2002-88 Chevy/ GMC Truck

Part No. 610340



2009-89 Ford
2007-94 Hyundai
2005-95 Kia
2008-88 Mazda
2009-91 Mercury

Part No. 610342



Clip Head

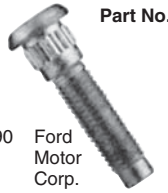
1990-89 Ford Motor Corp.

Part No. 610343



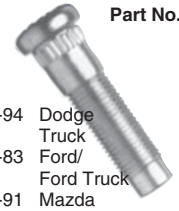
1997-89 Ford Motor Corp.
1997-89 Mercury

Part No. 610344



2002-90 Ford Motor Corp.
1992-90 Lincoln
2002-90 Mercury

Part No. 610345



1999-94 Dodge Truck
2009-83 Ford/ Ford Truck
2008-91 Mazda
2001-74 Mercury

Part No. 610360



2005-87 Acura
2008-92 Honda
1999-96 Isuzu

Part No. 610362



1998-92 Acura
1997-90 Honda

Part No. 610365



1998-83 Ford Motor Corp.

Part No. 610366



Clip Head

1997-91 Ford Motor Corp.

Part No. 610367



2006-91 BMW
2001-97 Cadillac
2006-03 Mini Cooper
1992-91 Pontiac
2008-94 Saab

Part No. 610368



2002-91 Mazda
2009-92 Ford Motor Corp.

Part No. 610369



2005-93 Dodge Truck
2008-93 Chrysler Corp.

Part No. 610370



1992-91 Chrysler Corp.

Part No. 610375



1992-89 Nissan (F)
1992-91 (R)

Part No. 610378



2008-90 Nissan
2008-90 Infiniti

Part No. 610384



2001-93 Chrysler
2001-93 Dodge/Eagle

Part No. 610410



2008-94 Hyundai
2001-89 Mazda

Part No. 610414



2008-95 Chry.
2008-85 Dodge
2006-89 Hyundai
2008-85 Mitsubishi

Part No. 610428



2009-99 GM Full Size Trucks
2008-03 Express
2008-03 H2
2008-03 Savana

Part No. 610475



2003 Jeep Wrangler, Grand Cherokee, Liberty

Part No. 610498



498

2007-86 Mercedes Benz (Various Models)

Part No. 610502



502

2009-05 Chrysler
2009-05 Dodge

WHEEL STUDS

ILLUSTRATIONS ARE 50% OF ACTUAL SIZE ALL STUDS ARE PACKED 12 PER BOX ☐ BOXED CODE INDICATES POPULAR HEAD MARKINGS

Part No. 610507



2008-04 Hyundai
2008-06 Kia
2008-04 Mazda

Part No. 610510

510



2008-07 Chrysler, V8
2009-04 Dodge Durango
2009-04 Dodge Dakota
2008-06 Mitsubishi Truck

Part No. 610518



2008-03 Kia

Part No. 610527



2011-05 Acura
2011-05 Honda

OVERSIZED WHEEL STUD



2009-87 Chrysler E-Series
2005-85 Ford Truck

Part No. 610303

FARM EQUIPMENT WHEEL STUDS

Part No. 610905



Dia.: 1/2”
O/L: 1-3/8”
Thrd. Lgth.: 7/8”
Head Angle: 90°
Hex Dia.: 13/16”

Part No. 610906



Dia.: 1/2”
O/L: 1-1/2”
Thrd. Lgth.: 1”
Head Angle: 90°
Hex Dia.: 3/4”

Part No. 610907



Dia.: 1/2”
O/L: 2-1/4”
Thrd. Lgth.: 1-1/2”
Head Angle: 90°
Hex Dia.: 3/4”

Part No. 610908



Dia.: 9/16”
O/L: 1-5/8”
Thrd. Lgth.: 1-1/8”
Head Angle: 90°
Hex Dia.: 7/8”

Part No. 610909



Dia.: 9/16”
O/L: 2-1/4”
Thrd. Lgth.: 1-5/8”
Head Angle: 90°
Hex Dia.: 7/8”

Part No. 610910

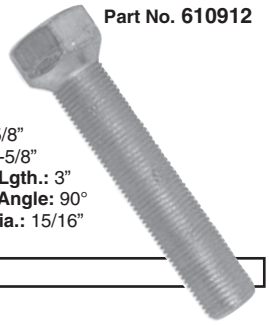


Dia.: 9/16”
O/L: 2-3/4”
Thrd. Lgth.: 2”
Head Angle: 90°
Hex Dia.: 7/8”

Part No. 610911

Dia.: 5/8”
O/L: 2-3/8”
Thrd. Lgth.: 1-3/4”
Head Angle: 90°
Hex Dia.: 15/16”

Part No. 610912



Dia.: 5/8”
O/L: 3-5/8”
Thrd. Lgth.: 3”
Head Angle: 90°
Hex Dia.: 15/16”

ILLUSTRATIONS ARE 50% OF ACTUAL SIZE ALL STUDS ARE PACKED 5 PER BOX

H14

STANDARD WHEEL NUTS

L = LEFT HAND THREAD

Part No. 611014 (24)



Thread Size: 7/16”-20
Hex Size: 3/4”
Height: 9/16”
Type: Cone

Part No. 611016 (24)



Thread Size: 1/2”-20
Hex Size: 13/16”
Height: 5/8”
Type: Cone

Part No. 611026 (24)



Thread Size: 1/2”-20L
Hex Size: 3/4”
Height: 9/16”
Type: Cone

Part No. 611027 (24)



Thread Size: 1/2”-20
Hex Size: 3/4”
Height: 9/16”
Type: Cone

Part No. 611031 (24)



Thread Size: 1/2”-20L
Hex Size: 13/16”
Height: 39/64”
Type: Cone

Part No. 611052 (24)



Thread Size: 9/16”-18
Hex Size: 7/8”
Height: 3/4”
Type: Cone

Part No. 611053 (24)



Thread Size: 9/16”-18
Hex Size: 1”
Height: 21/32”
Type: Cone

Part No. 611905 (5)



Thread Size: 5/8”-18
Hex Size: 15/16”
Height: 23/32”
Type: Cone

Part No. 611055 (12)



Thread Size: 5/8”-18
Hex Size: 1”
Height: 21/32”
Type: Cone

Part No. 611062 (24)



Thread Size: 12mm-1.50
Hex Size: 19mm (3/4”)
Height: 14mm
Type: Cone

Part No. 611063 (24)



Thread Size: 12mm-1.50
Hex Size: 19mm (3/4”)
Height: 23mm
Type: P-Nut

Part No. 611064 (24)



Thread Size: 12mm-1.25
Hex Size: 19mm (3/4”)
Height: 16mm
Type: Chrome Cone

Part No. 611065 (24)



Thread Size: 12mm-1.25
Hex Size: 21mm (13/16”)
Height: 16mm
Type: P-Nut

Part No. 611066 (24)



Thread Size: 12mm-1.50
Hex Size: 21mm(13/16”)
Height: 16mm
Type: Cone

Part No. 611072 (24)



Thread Size: 12mm-1.50
Hex Size: 21mm (13/16”)
Height: 18mm
Type: Cone

Part No. 611093 (24)



Thread Size: 1/2”-20
Hex Size: 13/16”
Height: 59/64”
Type: P-Nut

Part No. 611096 (12)



Thread Size: 10mm-1.25
Hex Size: 17mm
Height: 21mm
Type: Chrome Cone

Part No. 611110 (24)



Thread Size: 14mm-1.50
Hex Size: 22mm (7/8”)
Height: 20.5mm
Type: Cone

Part No. 611115 (12)



Thread Size: 14mm-1.50
Hex Size: 22mm (7/8”)
Height: 28.5mm
Type: Cone

Part No. 611257 (12)



Thread Size: 14mm-1.50
Hex Size: 21mm (13/16”)
Height: 24mm
Type: Bulge 60° Zinc

SPECIAL WHEEL NUTS

***BULGE NUTS HAVE 60° CONE SEAT. FOR OE ALLOY WHEELS / +OE FOR HONDA, SPECIAL SEAT**

Part No. 611001 (12)



Thread Size: 7/16''-20
Hex Size: 13/16''
Height: 1-3/8''
Type: Chrome Bulge Nut*

Part No. 611002 (12)



Thread Size: 1/2''-20
Hex Size: 13/16''
Height: 1-3/8''
Type: Chrome Bulge Nut*

Part No. 611003 (12)



Thread Size: 12mm-1.25
Hex Size: 21mm (13/16'')
Height: 35mm
Type: Chrome Bulge Nut*

Part No. 611004 (12)



Thread Size: 12mm-1.50
Hex Size: 21mm (13/16'')
Height: 35mm
Type: Chrome Bulge Nut*

Part No. 611070 (12)



Thread Size: 7/16''-20
Hex Size: 3/4''
Height: 1-1/8''
Type: SS Capped Cone

Part No. 611071 (12)



Thread Size: 1/2''-20
Hex Size: 13/16''
Height: 1-15/32''
Type: SS Capped Cone

Part No. 611073 (12)



Thread Size: 1/2''-20
Hex Size: 13/16''
Height: 1-1/8''
Type: SS Capped Cone

Part No. 611074 (12)



Thread Size: 12mm-1.50
Hex Size: 19mm (3/4'')
Height: 31mm
Type: SS Capped P-Nut

Part No. 611075 (12)



Thread Size: 12mm-1.50
Hex Size: 19mm (3/4'')
Height: 24.5mm
Type: Chrome Ball Faced+

Part No. 611076 (12)



Thread Size: 12mm-1.25
Hex Size: 19mm (3/4'')
Height: 25mm
Type: Chrome Cone

Part No. 611077 (12)



Thread Size: 12mm-1.50
Hex Size: 21mm (13/16'')
Height: 27.5mm
Type: Chrome Cone

Part No. 611078 (12)



Thread Size: 12mm-1.50
Hex Size: 21mm (13/16'')
Height: 33mm
Type: Chrome Cone

Part No. 611084 (12)



Thread Size: 12mm-1.50
Hex Size: 19mm (3/4'')
Height: 36mm
Type: SS Capped Cone

Part No. 611087 (12)



Thread Size: 12mm-1.50
Hex Size: 19mm (3/4'')
Height: 29.5mm
Type: SS Capped P-Nut

Part No. 611089 (12)



Thread Size: 12mm-1.50
Hex Size: 19mm (3/4'')
Height: 32mm
Type: SS Capped P-Nut

Part No. 611091 (12)



Thread Size: 1/2''-20
Hex Size: 3/4''
Height: 1-1/16''
Type: SS Capped P-Nut

Part No. 611094 (12)



Thread Size: 1/2''-20
Hex Size: 3/4''
Height: 1-39/64''
Type: SS Capped Cone

Part No. 611098 (12)



Thread Size: 1/2''-20
Hex Size: 13/16''
Height: 1-3/8''
Type: Chrome

Part No. 611099 (12)



Thread Size: 12mm-1.25
Hex Size: 21mm (13/16'')
Height: 35mm
Type: Chrome

Part No. 611100 (12)



Thread Size: 12mm-1.50
Hex Size: 21mm (13/16'')
Height: 35mm
Type: Chrome

Part No. 611109 (12)



Thread Size: 12mm-1.50
Hex Size: 19mm (3/4'')
Height: 27.9mm
Type: External Threads

Part No. 611112 (12)



Thread Size: 12mm-1.50
Hex Size: 19mm (3/4'')
Height: 20.5mm
Type: Chrome

Part No. 611113 (12)



Thread Size: 12mm-1.25
Hex Size: 21mm (13/16'')
Height: 16mm
Type: Chrome Cone

Part No. 611114 (12)



Thread Size: 12mm-1.25
Hex Size: 21mm (13/16'')
Height: 29mm
Type: Chrome Acorn Nut

Part No. 611117 (12)



Thread Size: 12mm-1.50
Hex Size: 21mm (13/16")
Height: 37mm
Type: Chrome Special

Part No. 611119 (12)



Thread Size: 12mm-1.25
Hex Size: 21mm (13/16")
Height: 32mm
Type: Chrome Mag

H14

SPECIAL WHEEL NUTS

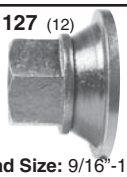
***BULGE NUTS HAVE 60° CONE SEAT. FOR OE ALLOY WHEELS / +OE FOR HONDA, SPECIAL SEAT**

Part No. 611122 (12)



Thread Size: 1/2"-20
Hex Size: 3/4"
Height: 1-21/64"
Type: SS P-Nut

Part No. 611127 (12)



Thread Size: 9/16"-18
Hex Size: 7/8"
Height: 1-1/16"
Type: Black Oxide

Part No. 611133 (12)



Thread Size: 12mm-1.50
Hex Size: 21mm (13/16")
Height: 30mm
Type: Chrome Acorn Nut

Part No. 611136 (12)



Thread Size: 12mm-1.50
Hex Size: 19mm (3/4")
Height: 37mm
Type: SS P-Nut

Part No. 611137 (12)



Thread Size: 12mm-1.50
Hex Size: 19mm (3/4")
Height: 40mm
Type: Chrome Dometop Mag

Part No. 611138 (12)



Thread Size: 12mm-1.50
Hex Size: 19mm (3/4")
Height: 35mm
Type: Chrome Dometop Mag

Part No. 611141 (12)



Thread Size: 12mm-1.50
Hex Size: 21mm (13/16")
Height: 27.5mm
Type: Chrome Cone

Part No. 611144 (12)



Thread Size: 12mm-1.5
Hex Size: 19mm
Height: 18.5mm
Type: Chrome

Part No. 611150 (12)



Thread Size: 12mm-1.50
Hex Size: 19mm (3/4")
Height: 31mm
Type: External Threads

611151 (12)



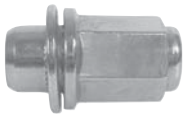
Thread Size: 12mm-1.50
Hex Size: 19mm (3/4")
Height: 34mm
Type: External Threads

Part No. 611163 (12)



Thread Size: 1/2"-20
Hex Size: 3/4"
Height: 29/32"
Type: Cone

Part No. 611167 (12)



Thread Size: 12mm-1.50
Hex Size: 21mm (13/16")
Height: 47mm
Type: Chrome

Part No. 611171 (12)



Thread Size: 1/2"-20
Hex Size: 3/4"
Height: 1-1/4"
Type: Zinc

Part No. 611172 (12)



Thread Size: 12mm - 1.75
Hex Size: 19mm (3/4")
Height: 22.5mm
Type: Zinc

Part No. 611181 (12)



Thread Size: 12mm-1.50
Hex Size: 19mm
Height: 43mm
Type: Chrome*

Part No. 611196 (12)



Thread Size: 14mm-2.0
Hex Size: 21mm (13/16")
Height: 22.6mm
Type: Black Oil Quench

Part No. 611199 (12)



Thread Size: 1/2"-20
Hex Size: 19mm (3/4")
Height: 1-1/4"
Type: Yellow Zinc*

Part No. 611201 (12)



Thread Size: 12mm-1.50
Hex Size: 19mm (3/4")
Height: 29.5mm
Type: Chrome

Part No. 611204 (12)



Thread Size: 9/16"-18
Hex Size: 13/16"
Height: 1-1/2"
Type: SS 60° Seat

Part No. 611208 (12)



Thread Size: 12mm - 1.50
Hex Size: 21mm (13/16")
Height: 38.35mm
Type: Chrome 60° Seat

Part No. 611209 (12)



Thread Size: 12mm - 1.50
Hex Size: 21mm (13/16")
Height: 30.25mm
Type: Chrome 60° Seat

Part No. 611250 (12)



Thread Size: 12mm - 1.50
Hex Size: 3/4"
Height: 1-13/32"
Type: Chrome Bulge Nut*

Part No. 611251 (12)



Thread Size: 7/16" - 20
Hex Size: 3/4"
Height: 1-13/32"
Type: Chrome Bulge Nut*

Part No. 611252 (12)



Thread Size: 1/2" - 20
Hex Size: 3/4"
Height: 1-13/32"
Type: Chrome Bulge Nut*

Part No. 611258 (12)



Thread Size: 14mm - 1.50
Hex Size: 21mm (13/16")
Height: 36.8mm
Type: Stainless Steel 60° Seat

Part No. 611259 (12)



Thread Size: 14mm - 1.50
Hex Size: 21mm (13/16")
Height: 43.5mm
Type: Chrome 60° Seat

Part No. 611278 (12)



Thread Size: 14mm - 1.50
Hex Size: 22mm
Height: 34.6mm
Type: Chrome Mag Nut

SPECIAL WHEEL NUTS and WHEEL NUT COVERS

PART NUMBER	THREAD SIZE	HEX SIZE	HEIGHT	APPLICATION	POP CODES
611001	7/16"-20	13/16"	1-3/8"	Universal/Special	A
611002	1/2"-20	13/16"	1-3/8"	Universal/Special	A
611003	12mm-1.25	21mm (13/16")	35mm	Universal/Special	A
611004	12mm-1.50	21mm (13/16")	35mm	Universal/Special	A
611014	7/16"-20	3/4"	9/16"	Chrysler/GM/Standard	AA
611016	1/2"-20	13/16"	5/8"	Ford/GM/Standard	AA
611026	1/2"-20L	3/4"	9/16"	Chrysler/Standard	B
611027	1/2"-20	3/4"	9/16"	Universal/Standard	AA
611031	1/2"-20L	13/16"	39/64"	Jeep/Standard	B
611052	9/16"-18	7/8"	3/4"	GMC Truck/Standard	AA
611053	9/16"-18	1"	21/32"	GMC Truck/Standard	AA
611055	5/8"-18	1"	21/32"	Chevy/GMC & Dodge Trucks/Standard	A
611062	12mm-1.50	19mm (3/4")	14mm	Universal/Standard	AA
611063	12mm-1.50	19mm (3/4")	23mm	Chrysler/Isuzu/Stnd.	AA
611064	12mm-1.25	19mm (3/4")	16mm	Import/Standard	AA
611065	12mm-1.25	21mm (13/16")	16mm	Nissan/Standard	AA
611066	12mm-1.50	21mm (13/16")	16mm	Import/Standard	AA
611070	7/16"-20	3/4"	1-1/8"	GM/Special	A
611071	1/2"-20	13/16"	1-15/32"	Ford/Special	A
611072	12mm-1.50	21mm (13/16")	18mm	Ford/Special	AA
611073	1/2"-20	13/16"	1-1/8"	GM/Special	A
611074	12mm-1.50	19mm (3/4")	31mm	Chrysler/Special	A
611075	12mm-1.50	19mm (3/4")	24.5mm	Honda/Special	AA
611076	12mm-1.25	19mm (3/4")	25mm	Honda/Special	B
611077	12mm-1.50	21mm (13/16")	27.5mm	Universal/Special	A
611078	12mm-1.50	21mm (13/16")	33mm	Chry. Prod./Dodge & Ford Truck/Mazda/ Miits./Special	A
611084	12mm-1.50	19mm (3/4")	36mm	GM/Special	A
611087	12mm-1.50	19mm (3/4")	29.5mm	GM/Special	A
611089	12mm-1.50	19mm (3/4")	32mm	GM/Special	A
611091	1/2"-20	3/4"	1-1/16"	Chrysler/Special	A
611093	1/2"-20	13/16"	59/64"	Ford/Standard	A
611094	1/2"-20	3/4"	1-39/64"	Ford/Special	AA
611096	10mm-1.25	17mm	21mm	Chev./Geo/Pontiac/ Suzuki/Standard	A
611098	1/2"-20	13/16"	1-3/8"	Universal/Special	A
611099	12mm-1.25	13/16" (21mm)	35mm	Universal/Special	A
611100	12mm-1.50	13/16" (21mm)	35mm	Ford/Mazda/Mercury	A

PART NUMBER	THREAD SIZE	HEX SIZE	HEIGHT	APPLICATION	POP CODES
611109	12mm-1.50	19mm (3/4")	27.9mm	GM/Special	AA
611110	14mm-1.50	7/8" (22mm)	20.5mm	GM Truck/Standard	AA
611112	12mm-1.5	19mm	20.5	Chev./GMC Truck	A
611113	12mm-1.25	21mm (13/16")	16mm	Import/Special	B
611114	12mm-1.25	21mm (13/16")	29mm	Import/Special	B
611115	14mm-1.50	22mm	28.5mm	Chevy/GMC Truck/ Standard	A
611117	12mm-1.50	21mm (13/16")	37mm	Chry./Imp./Spec.	A
611119	12mm-1.25	21mm (13/16")	32mm	Import/Special	A
611122	1/2"-20	3/4"	1-21/64"	AMC/Chry. Prod./ Dodge Truck/Jeep/ Volvo/Special	A
611127	9/16"-18	7/8"	1-1/16"	Ford Truck	A
611133	12mm-1.50	21mm (13/16")	30mm	Import/Special	A
611136	12mm-1.50	19mm (3/4")	37mm	Ford/Special	A
611137	12mm-1.50	19mm (3/4")	40mm	Import/Special	A
611138	12mm-1.50	19mm (3/4")	35mm	Import/Special	A
611141	12mm-1.50	21mm (13/16")	27.5mm	Chry./Imp./Spec.	A
611144	12mm-1.50	19mm	- -	Acura, Honda	A
611150	12mm-1.50	19mm (3/4")	31mm	GM/Special	A
611151	12mm-1.50	19mm (3/4")	34mm	GM/Special	A
611163	1/2"-20	3/4"	29/32"	Chry./Ford/Spec.	A
611167	12mm-1.5	13/16" (21mm)	47mm	Lexus/Toyota	A
611171	1/2"-20	3/4"	- -	Ford Truck/Mercury	A
611172	12mm-1.75	19mm	22.5mm	Ford Truck/Lincoln	A
611181	12mm-1.5	19mm	43mm	Chrysler/Dodge	A
611196	14mm-2.0	21mm	22.6	Ford Truck	A
611199	1/2"-20	19mm (3/4")	1-1/4"	Ford/Lincoln/Mercury	A
611201	12mm-1.50	19mm	29.5mm	Acura/Honda	A
611204	9/16"-18	13/16"	1-1/2"	Dodge Truck	A
611208	12mm-1.50	13/16" (21mm)	38.25mm	Hyundai	A
611209	12mm-1.50	13/16" (21mm)	30.25mm	Kia	A
611250	12mm-1.50	3/4"	1-13/32"	Special Acorn Seat	A
611251	7/16"-20	3/4"	1-13/32"	Special Acorn Seat	A
611252	1/2"-20	3/4"	1-13/32"	Special Acorn Seat	A
611257	14mm-1.5	13/16" (21mm)	24mm	Chrysler/Dodge	A
611258	14mm-1.5	13/16" (21mm)	36.8mm	Chrysler/Dodge	A
611259	14mm-1.5	13/16" (21mm)	43.5mm	Chrysler/Dodge	A
611278	14mm-1.50	22mm	34.6mm	Acura/Honda	A
611905	5/8"-18	15/16"	23/32"	Farm Equipment	A

PLASTIC CAPS FOR WHEEL NUTS

- **Protect wheel nuts from freeze-up due to rust, rain and road dirt.**
- **Match OEM look.**

Part No. 611019 12



Black

Part No. 611020 12



Grey

Part No. 611607 12



PART NUMBER	CAP COLOR	FITS	WHEEL NUT SIZE	HEIGHT	WHEEL NUT PART NO.	QTY
611019	Black	GM Prod.	12mm x 1.50 w/ ext. threads	1-1/8	**611109**	12
611020	Grey	GM Prod.	12mm x 1.50 w/ ext. threads	1-1/8	**611109**	12

PART NUMBER	CAP COLOR	FITS	WHEEL NUT SIZE	HEIGHT	WHEEL NUT PART NO.	QTY
611607	Black	Chevy/ GMC Truck	27mm-2.0 x 23 w/ ext. threads	39.5mm	**611110, 611115**	12

H14

TRUCK WHEEL STUDS & NUTS

INNER & OUTER CAP NUTS

STANDARD WHEELS

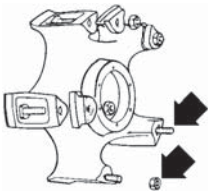


TYPE 1

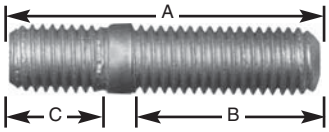
COLD FORMED STEEL LUSTERPLATED - Conforms to DOT-FMVSS Specs.

PART NUMBER	INNER THREAD SIZE	OUTER THREAD SIZE	HEX	HEIGHT	THREAD STYLE	TYPE	QTY
611034	1-1/8-16	-	1-1/2	7/8	RH	1	12
611035	1-1/8-16	-	1-1/2	7/8	LH	1	12

CAST SPOKE WHEELS AND NUTS



- **Made of heat treated steel.**
- **Lusterplated to resist corrosion.**
- **Exact OEM quality replacement.**



PART NUMBER	SIZE THREADS	(A) OVERALL LENGTH	(B) DIM	(C) DIM	THREAD STYLE	QTY
610145	5/8-11	2-5/8	1-3/4	7/8	RH	12
610146	3/4-10	2-13/16	1		RH	12

Flat Face



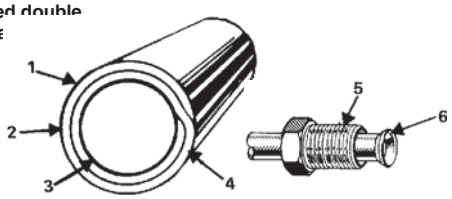
PART NUMBER	SIZE THREADS	HEX	FACE STYLE	QTY
611048	5/8-11	1-1/16	Flat	12
611049	3/4-10	1-1/4	Flat	12

HYDRAULIC BRAKE LINES & FITTINGS

SAFETY CERTIFIED "FUSION-BRAZED" STEEL BRAKE LINES

The safety story.

1. **Wrap around steel tubing meets all car factory and SAE specifications. Continuous copper-fused double steel walls provide exceptional pressure resistance and safety, yet is easily bent to desired sha**
2. **Extra heavy terne-plate (tin lead) coating provides maximum possible corrosion resistance.**
3. **Only Class "A" electronically tested steel tubing is used in OUR safety certified brake lines.**
4. **"Fusion-Brazed" for seamless leak-proof construction and great strength.**
5. **All brake lines have the longer inverted flare nut on one end to insure leak-proof connection in today's dual braking master cylinders. Standard nut on other end.**
6. **SAE spec. double-flared for positive leak-proof sealing.**
7. **Used on cars, trucks, buses, tractors, trailers, farm and construction equipment for brake lines, engine tubes, oil lines, gas and filter lines.**

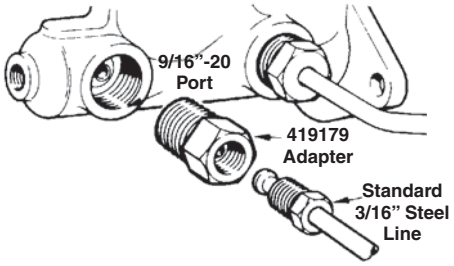


Every Brake Line is unconditionally certified to meet or surpass the following specifications:

SAE Standard Tubing spec. J527	Ford ESF-MIA-80-DA (M3431)	ASTM 254 Type 1
SAE Standard Flare spec. J533	General Motors 123M	Caterpillar 1E395
U.S. Army specs. MIL-T-3520 Type III	GM Truck & Coach 33838R	General Electric B30E23-83
Chrysler MSI806	International Harvester A-45 Gr. 1 & 3	Wagner Electric L975B

HYDRAULIC BRAKE FITTING MEASUREMENT

- **Adapters can be used to adapt standard steel brake lines to different size ports used in dual master cylinders, proportioning valves and junction blocks.**
- **The tube O.D. is the outside diameter of the steel brake line.**
- **Thread size can be determined by measuring with a U.S. or metric screw pitch gauge.**



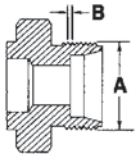
Standard inverted flare tube and thread size

Tube Size	1/8	3/16	1/4	5/16	3/8	7/16
Thread Size	5/16-28	3/8-24	7/16-24	1/2-20	5/8-18	11/16-18

METRIC HYDRAULIC BRAKE FITTINGS

How to measure metric threads:

Metric threads are measured and specified by the thread diameter in millimeters and the pitch in millimeters per thread. If dimension "A" is 22mm and dimension "B" (crest to crest distance) is 1.5mm, then the metric thread size is M22 x 1.5mm.

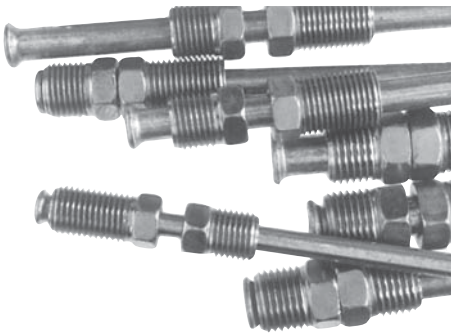


STEEL BRAKE LINES (Fractional and Metric)

INCHES LENGTH	3/16 SIZE	1/4 SIZE	5/16 SIZE	3/8 SIZE	VIOLET* JAPANESE Double Flare	BLUE* EUROPEAN Bubble Flare	OLIVE• GM 6MM Bubble Flare
8	---	---	---	419161	419301	419311	419325
12	419101	419107	419113	419119	419302	419312	419326
20	419102	419108	419114	419120	419303	419313	419327
30	419103	419109	419115	419121	419304	419314	419328
40	419104	419110	419116	419122	419305	419315	419329
51	419105	419111	419117	419162	419306	419316	419330
60	419106	419112	419118	419163	419307	419317	419331
UNION	508120	508121	508122	508123	419367	419366	419368

*** Color Coded Fittings For Easy Identification.**

MUST ORDER A MINIMUM OF 6 ASSORTED BRAKE LINES PER ORDER



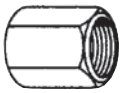
BRAKE LINE ASSORTMENTS AVAILABLE

DOMESTIC	DOMESTIC	JAPANESE	EUROPEAN	GM 6mm
Car & Light Truck	Car, Truck & Bus	Car, Light Truck	Car, Light Truck	Car, Light Truck
36 LINES	***54 LINES***	***28 LINES***	***28 LINES***	***26 LINES***
3 lines each 3/16" & 1/4" Sizes from 12" to 60"	3 lines each 3/16", 1/4" & 5/16" Sizes from 12" to 60"	4 lines each Sizes from 8" to 60"	4 lines each Sizes from 8" to 60"	4 lines each Sizes from 8" to 51" 2 lines 60"
Part No. 419025	**Part No. 419026**	**Part No. 419027**	**Part No. 419028**	**Part No. 419029**
12011 rack incl.	**12011 rack incl.**	**12015 rack incl.**	**12015 rack incl.**	**12165 rack incl.**

HYDRAULIC BRAKE LINES & FITTINGS

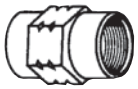
BRASS BRAKE LINE UNIONS

– DOMESTIC –



PART NUMBER	WEATHERHEAD NUMBER	LINE TO LINE DESCRIPTION	THREAD SIZE	FLARE TYPE	QTY
508120	302 x 3	3/16 to 3/16	3/8-24	Standard	25
508121	302 x 4	1/4 to 1/4	7/16-24	Standard	25
508122	302 x 5	5/16 to 5/16	1/2-20	Standard	25
508123	302 x 6	3/8 to 3/8	5/8-18	Standard	25

– IMPORT –



PART NUMBER	WEATHERHEAD NUMBER	LINE TO LINE DESCRIPTION	TUBE SIZE	THREAD SIZE	FLARE TYPE	QTY
419365	1594	British to British	3/16	3/8-24	Bubble	6
419366	1595A	European to European	3/16	10-1.0mm	Bubble	6
419367	7934A	Japanese to Japanese	3/16	10-1.0mm	Standard	6
419368	--	GM Metric	6mm	12-1.0mm	Bubble	2

STEEL TUBING



Ideal for refrigeration, oil lines, vacuum lines, air conditioning, hydraulic lines and hundreds of other uses.

PART NUMBER	SIZE O.D.
21425	3/16
21426	1/4
21427	5/16
21428	3/8
21429	6mm

- **Economical.**
- **Convenient.**
- **Meets O.E.M. specifications.**
- **Copper fused.**
- **Double wall.**
- **Seamless.**
- **Cut to size, bend and shape as desired.**
- **Easy to bend, flare, weld, or solder.**

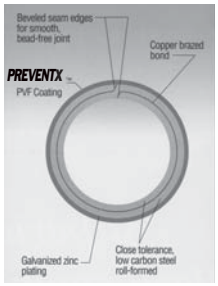
Approved for brake lines when double-flared to SAE specifications.

25 FT. COILS INDIVIDUALLY PACKAGED.

SEE SECTION D10 FOR FLARING TOOLS.

PREVENTX PVF COATED HYDRAULIC BRAKE LINES





PREVENTX lines have a PVF coating which repels nicks and dings, while also offering superior corrosion protection – 30 times more protection than ordinary steel lines. Standard coil wrapped armored lines can actually trap salt, soil, and gravel between the coil and the line – speeding the corrosion process and creating potentially dangerous situations. All ***PREVENTX*** lines are double- walled (not single-walled like some /" and 3/8" lines on the market) offering more application uses – such as brake lines on some heavy-duty trucks. ***PREVENTX*** lines are not only the most superior technical line on the market – they also look great too! Great for performance and show vehicles!

- ***PREVENTX*** lines comply with GM123M-ASV & S.A.E. J527B
- Wall thickness is 0.028" (0.70 mm)
- Copper brazed double-wall steel construction
- PVF coated to resist corrosion & abrasion
- Lines are easily bent without kinking

INCHES LENGTH	3/16 SIZE	1/4 SIZE	5/16 SIZE	3/8 SIZE	BLUE* JAPANESE Inverted Flare	OLIVE* EUROPEAN Bubble Flare	VIOLET* BRITISH Bubble Flare	OLIVE* 6mm Bubble Flare
8	**419401**	**419409**	**419417**	**419425**	**419433**	**419447**	**419440**	**419470**
12	**419402**	**419410**	**419418**	**419426**	**419434**	**419448**	**419441**	**419471**
20	**419403**	**419411**	**419419**	**419427**	**419435**	**419449**	**419442**	**419472**
30	**419404**	**419412**	**419420**	**419428**	**419436**	**419450**	**419443**	**419473**
40	**419405**	**419413**	**419421**	**419429**	**419437**	**419451**	**419444**	**419474**
51	**419406**	**419414**	**419422**	**419430**	**419438**	**419452**	**419445**	**419475**
60	**419407**	**419415**	**419423**	**419431**	**419439**	**419453**	**419446**	**419476**
72	**419408**	**419416**	**419424**	**419432**	**---**	**---**	**---**	**419477**

*** Color Coded Fittings For Easy Identification.**

PVF COATED BRAKE LINE ASSORTMENTS AVAILABLE

DOMESTIC
Car & Light Truck
36 LINES
3 lines each
3/16" & 1/4"
Sizes from 12" to 60"
Part No. 419480
12011 rack incl.

DOMESTIC
Car, Truck & Bus
54 LINES
3 lines each
3/16", 1/4" & 5/16"
Sizes from 12" to 60"
Part No. 419481
12011 rack incl.

JAPANESE
Car, Light Truck
28 LINES
4 lines each
Sizes from 8" to 60"
Part No. 419482
12015 rack incl.

EUROPEAN
Car, Light Truck
28 LINES
4 lines each
Sizes from 8" to 60"
Part No. 419483
12015 rack incl.

6mm
Car, Light Truck
26 LINES
4 lines each
Sizes from 8" to 51"
2 lines 60"
Part No. 419484
12165 rack incl.

PVF COATED STEEL TUBING



Ideal for automotive, farm and industrial; for use with hydraulic fluids, water, oil and air.

PART NUMBER	SIZE O.D.
419466	3/16
419467	1/4
419468	5/16
419469	3/8

- **Economical.**
- **Convenient.**
- **Meets O.E.M. specifications.**
- **Copper fused.**
- **Double wall.**
- **Seamless.**
- **Cut to size, bend & shape as desired.**
- **Easy to bend, flare, weld, or solder.**

25 FT. COILS INDIVIDUALLY PACKAGED.

SEE SECTION D10 FOR FLARING TOOLS.

HYDRAULIC BRAKE LINES & FITTINGS

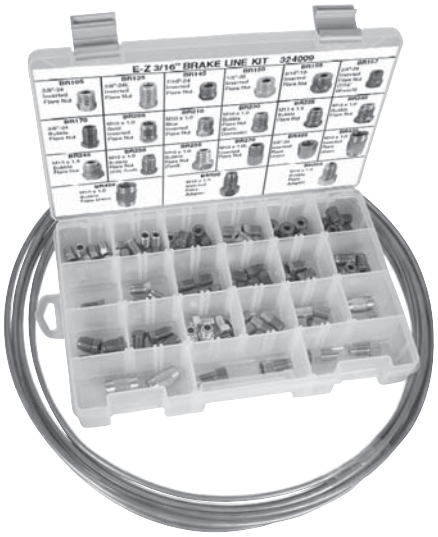
E-Z BRAKE LINE REPLACEMENT KITS

- Use to replace brake, transmission, fuel, power steering lines and more!
- Makes routing and flaring simple.
- Lifetime warranty - Tubing will not rust!
- Easy o use, safe and cost effective.
- Cuts labor time by more than 50%.
- The kits accomodate 90% of all applications.
- They include flare nuts, unions & adapters.



U.S.D.O.T. approved, 3000 p.s.i. rating

Brake tubing will not rust or corrode and is backed by a LIFETIME WARRANTY!



Part No. 324008

Brake Line Replacement Kit

3/16" kit includes 112 pieces & 25' brake tubing



Part No. 324009

Brake Line Replacement Kit

1/4" kit includes 41 pieces & 25' brake tubing

3/16" and 1/4" tubing are available in 25, 50 and 100' coils! (5/16" and 3/8" tubing come in 25' coils only)



No bending tools required!



Brake tubing can be easily bent by hand.

PART NUMBER	DESCRIPTION	QTY
SURBR-EZ100	3/16" Brake Line Tubing	25' roll
SURBR-EZ101	3/16" Brake Line Tubing	50' roll
SURBR-EZ102	3/16" Brake Line Tubing	100' roll

PART NUMBER	DESCRIPTION	QTY
SURBR-EZ200	1/4" Brake Line Tubing	25' roll
SURBR-EZ201	1/4" Brake Line Tubing	50' roll
SURBR-EZ202	1/4" Brake Line Tubing	100' roll

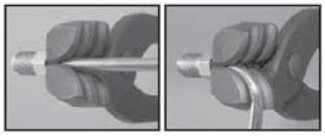
PART NUMBER	DESCRIPTION	QTY
324051	5/16" Brake Line Tubing	25' roll
324038	3/8" Brake Line Tubing	25' roll

BENDING PLIERS

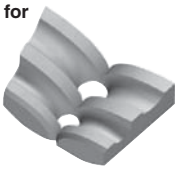
The Most Convenient Tubing Benders Available! Fits 3/16" and 1/4" Tubing.

- High quality pliers with a big head for easier bending.
- Forged steel with heavy duty rubber grips are designed with the "proper radius" so kinking the tubing is almost impossible.
- The shaped jaws bend the tubing without distortion.
- Fit new hard lines or change the bends of existing lines.
- Align, bend & adjust 3/16" & 1/4" brake & fuel lines with a twist of the wrist.

Allows a tight 90 degree bend on the tubing right at the nut.



Larger jaw design for the perfect bend *without* kinking.



Part No. 324013

HYDRAULIC BRAKE LINE FITTINGS

METRIC & IMPERIAL BUBBLE FLARE TUBE NUTS

For making your own brake lines.

- **Color coded for easy identification.**
- **No need to use adapters.**





PART NUMBER	QTY	THR. DIA.	THR. PITCH	COLOR	TUBE SIZE	DESCRIPTION
510390	10	10 x 1.0mm		Olive	3/16	Bubble Flare, European/Domestic
510391	10	11 x 1.5mm		Orange/Grey	3/16	Bubble Flare, GM, Ford
510392	10	12 x 1.0mm		Blue	3/16	Bubble Flare, GM, Ford
510393	10	13 x 1.5mm		Green	3/16	Bubble Flare, GM, Ford
510394	10	10 x 1.0mm		Blue/Silver	3/16	Inverted Flare Japanese
510395	5	10 x 1.0mm		Gold	3/16	12mm Hex, Long Inverted Flare
510396	5	12 x 1.0mm		Olive	1/4	13mm Hex, 1/4 Tube Long Inverted Flare
510397	5	10 x 1.0mm		Violet	3/16	11mm Hex, VW & Audi Long Inverted Flare
510398	5	10 x 1.0mm		Blue	3/16	11mm Hex, GM Long Inverted Flare, Toyota
510399	5	10 x 1.0mm		Gold	3/16	Bubble Flare, Ford Long
507711	5	12 x 1.25mm		Olive	3/16	Bubble Flare
507712	5	12 x 1.25mm		Gold	1/4	Bubble Flare
507713	5	12 x 1.75mm		Green	1/4	Bubble Flare
507714	5	12 x 1.75mm		Yellow	1/4	Bubble Flare
507715	5	12 x 1.0mm		Yellow	3/16	Bubble Flare
507716	5	12 x 1.25mm		Black	1/4	Bubble Flare
507717	5	10 x 1.0mm		Grey	3/16	Bubble Flare
507718	5	3/8 x 24 TPI		Lt. Violet	3/16	Bubble Flare

STANDARD FLARE INVERT STEEL TUBE NUTS



PART NUMBER	QTY	TUBE SIZE	THREAD DIAMETER	T.P.I.	WEATHERHEAD NUMBER
508375	25	3/16	3/8	24	105 x 3
508376	25	1/4	7/16	24	105 x 4
508377	25	5/16	1/2	20	105 x 5
507724	10	3/8	5/8	18	105 x 6
507725	10	1/2	3/4	18	105 x 8
507726	10	1/4	7/16, 9/16 Hex	24	--
507727*	10	3/16	3/8, 7/16 Hex	24	--
507728	10	3/16	3/8, 9/16 Hex	24	--
507729	10	7/16	11/16	18	--

***Violet**

LONG STEEL TUBE NUTS



PART NUMBER	QTY	TUBE SIZE	THREAD DIAMETER	T.P.I.	WEATHERHEAD NUMBER
508378	25	3/16	3/8	24	7896 x 3
508379	25	1/4	7/16	24	7896 x 4
507730	25	3/8	5/8	18	--

METRIC 6mm BUBBLE FLARE TUBE NUTS



PART NUMBER	QTY	TUBE SIZE	THREAD DIAMETER	THREAD PITCH
510380	5	6mm	12mm	1.0 olive
510381	5	6mm	12mm	1.5 olive
510382	5	6mm	14mm	1.5 black

OVERSIZED STEEL TUBE NUTS



PART NUMBER	QTY	TUBE SIZE	THREAD DIAMETER	T.P.I.
507731	10	3/16	7/16	24 (red)
507732	10	3/16	1/2	20 (green)
507733	10	3/16	9/16	18 (olive/gold)
507734	10	1/4	9/16	18 (blue)
507735	10	1/4	1/2	20 (gold)
507736	10	3/16	1/2	20 (black)
507737	10	1/4	9/16	18 bubble flare (yellow)

METRIC INVERT FLARE TUBE NUTS



PART NUMBER	QTY	TUBE SIZE	THREAD DIAMETER	THREAD PITCH
507746	10	3/16	10mm	1.0 Japanese (gold) 12mm hex long
507747	10	1/4	12mm	1.0 Ford & Imports
507748	10	3/16	10mm	1.0 (yellow)

HYDRAULIC BRAKE LINE FITTINGS

METRIC BRAKE LINE ADAPTERS INVERT & BUBBLE

PART NUMBER	QTY	TUBE SIZE (FEMALE)	DESCRIPTION
507738	5	3/16	10mm x 1.0 male thread bubble
507739	5	3/16	10mm x 1.0 male thread invert
507740	1	3/16	10mm x 1.25 male thread bubble
507741	1	3/16	13mm x 1.5 male thread bubble
507742	1	3/16	12mm x 1.0 male thread bubble
507743	1	3/16	11mm x 1.5 male thread bubble



HI-FLOW / HEAVY WALL BRAKE LINE UNIONS

PART NUMBER	QTY	TUBE SIZE	THREAD DIAMETER	T.P.I.
507749	5	3/16	3/8	24
507750	5	1/4	7/16	24
507751	5	5/16	1/2	20
507752	5	3/8	5/8	18
507753*	2	3/16 / 1/4	3/8 / 7/16	24



REDUCER BRAKE LINE UNION

PART NUMBER	QTY	TUBE SIZE	THREAD DIAMETER	T.P.I.
507753*	2	3/16 / 1/4	3/8 / 7/16	24

***Same as number above, two functions.**

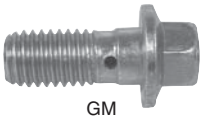


COPPER FLEX LINE GASKETS

PART NUMBER	QTY	O.D.	I.D.	THKNS.
507777	5	.625	.450	.079
507778	5	.687	.450	.038
507779	5	.8125	.500	.032
507780	5	.625	.390	.063
507781	5	.8125	.438	.063
507782	5	.625	.406	.101
507783	5	.688	.391	.050
507784	5	.554	.409	.032



HOSE INLET FLEX LINE BOLTS



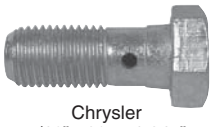
GM
M10 x 1.5 x 32.65mm

Part No. 507761 5



GM
7/16" - 20 x 1.275"

Part No. 507764 5



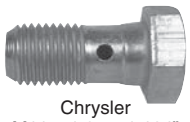
Chrysler
7/16" - 20 x 1.345"

Part No. 507762 5



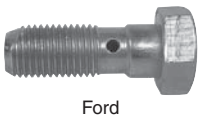
Ford
M10 x 1.0 x 1.15"

Part No. 507765 5



Chrysler
M11 x 1.25 x 1.184"

Part No. 507763 5



Ford
3/8" - 24 x 1.26"

Part No. 507766 5



Part No. 507767
12 pieces • 6 items
12036 plastic tray

507761	**507763**	**507765**
507762	**507764**	**507766**

Numbers in assortment

STEEL & NYLON TUBING RETAINER CLIPS

– BRAKE –



1 slot 1/4"
brake line clip

Part No. 507768 (5)



2 slot 3/16"
brake line clip

Part No. 507770 (5)



1 slot 3/16"
brake line clip

Part No. 507769 (5)



2 slot 3/16"
brake line clip

Part No. 507771 (5)



Part No. 507776
38 pieces • 8 items
12043 plastic tray

507768	**507770**	**507772**	**507774**
507769	**507771**	**507773**	**507775**

Numbers in assortment

– FUEL / TRANS / BRAKE –



5 slot
2 x 3/16" - 2 x 5/16" - 3/8"

Part No. 507772 (5)



4 slot
1/4" - 2 x 5/16" - 3/8"

Part No. 507773 (5)



4 slot
1/4" - 2 x 5/16" - 3/8"

Part No. 507774 (5)



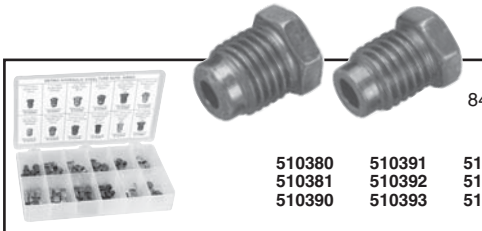
4 slot
2 x 1/4" - 2 x 5/16"

Part No. 507775 (5)

H15

HYDRAULIC BRAKE LINE FITTINGS

METRIC STEEL TUBE NUT ASSORTMENT



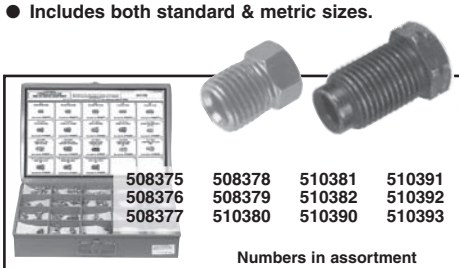
Part No. 508902
84 pieces • 12 items
12038 plastic tray

510380	510391	510394	510397
510381	510392	510395	510398
510390	510393	510396	510399

Numbers in assortment

TUBE NUT MASTER ASSORTMENT

- Includes both standard & metric sizes.



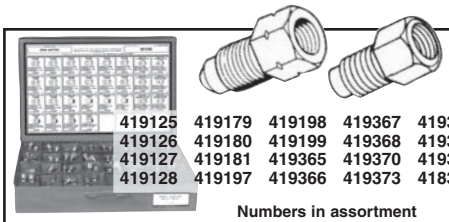
Part No. 501735
137 pieces • 18 items
12071 steel tray

508375	508378	510381	510391	510394	510397
508376	508379	510382	510392	510395	510398
508377	510380	510390	510393	510396	510399

Numbers in assortment

BRAKE ADAPTERS ASSORTMENT

- Total domestic and import coverage.
- A must for any full service brake shop.



Part No. 501340
56 pieces • 28 items
12062 steel tray

419125	419179	419198	419367	419374	418382	508121
419126	419180	419199	419368	419376	419383	508122
419127	419181	419365	419370	419379	419384	508123
419128	419197	419366	419373	418381	508120	508832

Numbers in assortment

H15

SAE 45° METRIC ADAPTERS

Adapts standard domestic 3/16 brake line to Japanese vehicles.



PART NUMBER	INVERTED MALE THREAD	INVERTED FEMALE THREAD	WTHERHD NUMBER	QTY
419197	3/16	3/16	1443	6
	M10 x 1.0	3/8-24		
	Std. Flare	Std. Flare		

Adapts standard domestic 3/16 brake line to European vehicles (Except British).



PART NUMBER	INVERTED MALE THREAD	INVERTED FEMALE THREAD	WTHERHD NUMBER	QTY
419198	3/16	3/16	1442	6
	M10 x 1.0	3/8-24		
	Bubble Flare	Std.Flare		



Adapts metric 3/16 OD tube M10 x 1.0 thread, standard SAE 45° Flare to master cylinders, junction blocks, proportioning and compensating valves in Japanese vehicles.

PART NUMBER	MALE THREAD	TUBE O.D./ FEMALE THREAD	WTHERHD NUMBER	QTY
419382	3/16	3/16	7935	6
	M11 x 1.5	M10 x 1.0		
419383	3/16	3/16	7936	6
	M12 x 1.0	M10 x 1.0		
419384	3/16	3/16	7937	6
	M13 x 1.5	M10 x 1.0		

DUAL MASTER CYLINDER ADAPTERS

Adapts standard brake line with standard nuts to master cylinders, junction blocks and proportioning valves. Eliminates special OE brake lines.



NOTES: MPT (MALE PIPE THREAD)
1. Seals on hex face.
2. Male end has SAE 37° Bubble Flare Seat, Female end has SAE 45° Standard Flare Seat.
3. 5/16 tube connection with 1/2-20 thread.

PART NUMBER	INVERTED MALE THREAD	INVERTED FEMALE THREAD	WEATHERHEAD NUMBER	QTY
419180	3/16 (9/16-18)	3/16	7911	6
419370	3/16 (9/16-18)	3/16 (1/2-20)	7913	6
419179	3/16 (9/16-20)	3/16	7910	6
419181 (1)	3/16	1/4	7828	6
419125	1/4	3/16	7818	6
508832	1/4 MPT	1/4	202x4x4	6
419372 (1)	1/4 (7/16-20)	1/4	7732	6
419373	1/4 (9/16-18)	1/4	7908	6
419374 (3)	1/4	5/16	7917	6
419375 (1)	5/16	3/16	7817	6

Adapts standard domestic 3/16 brake line to British vehicles.



PART NUMBER	INVERTED MALE THREAD	INVERTED FEMALE THREAD	WTHERHD NUMBER	QTY
419199	3/16	3/16	1441	6
	3/8-24	3/8-24		
	Bubble Flare	Std. Flare		

PART NUMBER	INVERTED MALE THREAD	INVERTED FEMALE THREAD	WEATHERHEAD NUMBER	QTY
419126 (2)	5/16	3/16	7897	6
419381	5/16	3/16	7909	6
419376	5/16	3/16 (9/16-18)	7912	6
419377 (1)	5/16	1/4	7727	6
419127	5/16	1/4	7829	6
419378 (1)	5/16	5/16	1074	6
419379	5/16	3/8	7915	6
419380	3/8 MPT	5/16	7771	6
419128	3/8	5/16	7916	6

TRANS. SERVICE PARTS and C/V BOOT CLAMPS

BRASS INVERTED FLARE NUTS

GENERAL MOTORS & FORD



Part No. 508103 20
5/16" Tube

Part No. 508104 10
3/8" Tube

CHRYSLER BRASS FITTINGS





PART NUMBER	TUBE SIZE	DESCRIPTION	QTY
508172	5/16	Flared Nut	10
508183	5/16 x 1/8 MPT	Male Connector	10

TRANSMISSION "E" CLIPS

3/16" GM

Part No. 52843 (50)



COMPRESSION UNIONS

PART NUMBER	SIZE (INCHES)	QTY
508140	5/16 x 5/16	10
508141	3/8 x 3/8	5

VALUE PACK
BOX OF 100
VOLUME USER DISCOUNT



PAN BOLTS



PART NUMBER	SIZE (INCHES)	HEX SIZE	QTY
328231	1/4 x 1/2	3/8	25
328232	5/16 x 5/8	1/2	25



PART NUMBER	SIZE DIA	LENGTH	PITCH	HEX SIZE	QTY
328233	8mm	14mm	1.25	13	25

PLASTIC VACUUM TEES

3/16"

Part No. 11513 (25)

1/4"

Part No. 11514 (25)



TRANSMISSION COOLER HOSE

Meets SAE J189 and all OEM requirements.

- **Hypalon tube and cover.**
- **Withstands fluid temperatures up to 275°F.**
- **Resistant to fuel, oil, ozone and heat aging.**
- **Minimum burst 175 PSI.**



PART NUMBER	SIZE (INCHES)	FEET PER ROLL
328235	5/16 I.D.	25
328236	3/8 I.D.	25

GM COOLER LINE RETAINING CLIPS w/O-RINGS

Part No. 328257
6 pairs per box



- **Used with the new push-in type fittings.**
- **2002-1996 Chev. Trucks & SU's.**
- **GM recommended replacing these clips every time the cooler line is disconnected.**
- **OEM #24205103.**

UNIVERSAL C/V BOOT CLAMPS

2 sizes fit all applications.



Part No. 727546 10
19" Clamp



Part No. 727545 10
11" Clamp

- **Preassembled free end clamps are the practical choice for C/V boots.**
- **Made of 301 stainless steel band and buckle.**
- **Top quality rolled edge.**
- **Economical -11" and 19" sizes fit all applications.**

TRANSMISSION and OIL LINE QUICK DISCONNECTORS

GM TRUCKS

- **2000-96 GM Trucks S/T, C/K (RWD).**
- **3/8" tube x 1/4" NPS.**



Part No. 508891 3

FORD

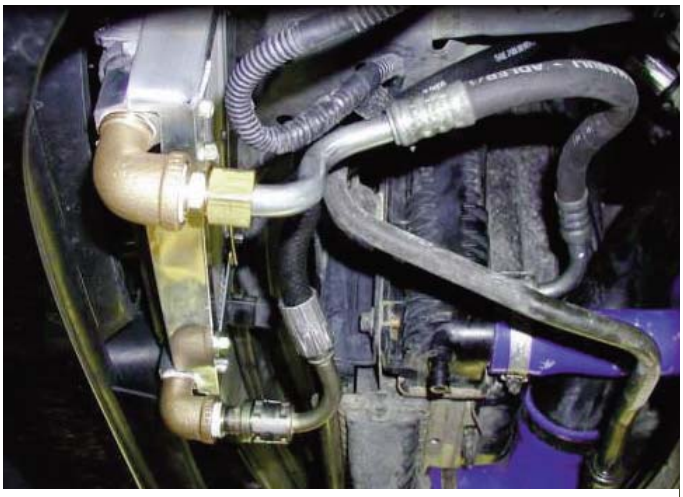
- **1999-82 Various Models.**
- **5/16" tube steel quick connector.**



Part No. 508894 3

H17

H SECTION UNDER CAR













AUTOMATIC TRANSMISSION FILTER KITS

- **Replace filter to prevent damage from clogged filter and for efficient transmission operation. OE recommended replacement at 15,000-35,000 miles, depending on driving conditions.**







COMPLETE WITH ALL NECESSARY GASKETS, SEALS AND INSTRUCTIONS.

- **Skin packed to keep gaskets flat. Gaskets fit on pan quickly and easily.**
- **Special label with applications and interchanges to help installer.**

PREMIUM QUALITY SYNTHETIC PAN GASKETS OFFER THESE ADVANTAGES:

- **Improved sealing ability.**
- **Not damaged by overtorquing like cork/neoprene.**
- **Indefinite shelf life – will not shrink or tear.**
- **Eliminates troublesome comebacks.**

YOUR CHOICE OF TWO TYPES OF PREMIUM GASKETS:

FARPAK®

- **Holds its shape for easier installation.**
- **Best sealing product available.**
- **Most technologically advanced gasket material.**
- **Use "428…" number series.**

or

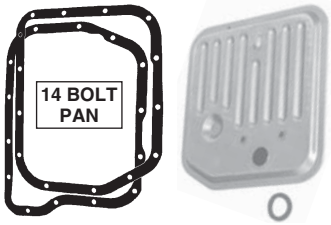
FELPROPRENE®

- **Rubber-like neoprene.**
- **Never creases.**
- **Undersize bolt holes to speed installation.**
- **Use "528…" number series.**

CHRYSLER

42, 44, 46, 47RE

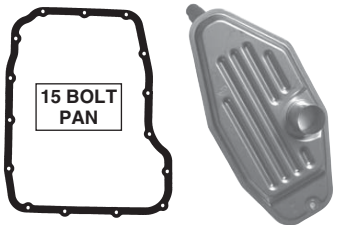
2003-97	Dodge Dakota, Durango
2006-97	Dodge Ram P/U, Van
2004-97	Jeep Grand Cherokee
OEM:	52118789
Fram:	FT1206
Purolator:	P1262
S/C:	86112



Farpak Filter Kit
428410

45RFE (4WD)

2011-99	Jeep Grand Cherokee 8 cyl. 4.7L (4WD)
2008-00	Dodge Truck & Chrysler Most 6 & 8 cyl. w/4WD
OEM:	4799507
FRAM:	FT1223
Mighty:	T321
S/C:	86113

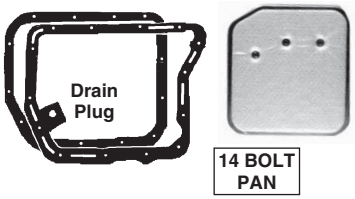


Farpak Filter Kit
428627

TORQUEFLITE 6 & 8

1 Hole, Large Filter

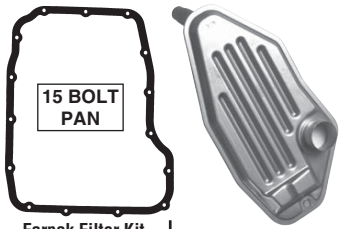
2003-88	Jeep/Eagle
1988-73	AMC, AMC Jeep
1995-73	Chrysler Products All 904 & 727 w/ Front Pump
2003-68	Dodge Trucks
OEM:	3515996, 8123042
FRAM:	FT1039, (1031/32)
Purolator:	P232, P233
S/C:	86101



Farpak Filter Kit
428417

45RFE (2WD)

2011-00	Most Dodge & Chrysler Trucks/Jeep
OEM:	4800029AA
Mighty:	T322
S/C:	86114



Farpak Filter Kit
428628

H18

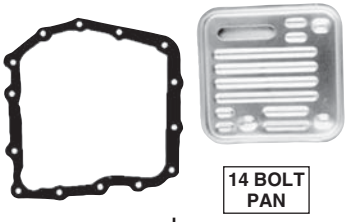
TRANS FILTER KITS - CHRYSLER & FORD

CHRYSLER

A-604 "Ultra-Drive" 4 spd

2011-89 Chrysler V6 (New Yorker, Dynasty, Caravan, Cirrus, LeBaron, Stratus, Town & Country, Spirit, Acclaim, Voyager) FWD
1999-95 Eagle Talon, Mitsubishi Eclipse 2.0L (DOHC)

OEM: 4504048
FRAM: FT1122
Purolator: P1198
S/C: 86108

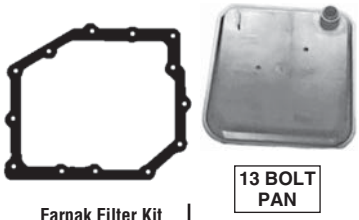


Farpak Filter Kit
428454

A606/42LE

2004-93 Chrysler Concorde, Dodge Intrepid, Eagle Vision

OEM: 4567070, 4626449, 4796730
FRAM: FT1141
S/C: 86111
Purolator: P1220



Farpak Filter Kit
428485

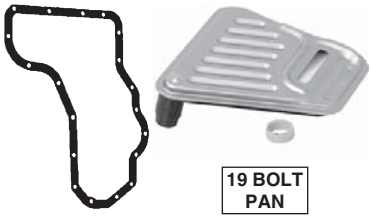
FORD

AX45/AX4N

w/Green Grommet

2007-96 Ford Taurus, Mercury Sable Lincoln Continental

OEM: F6DZ-7A098A
Purolator: P1247
S/C: 84143



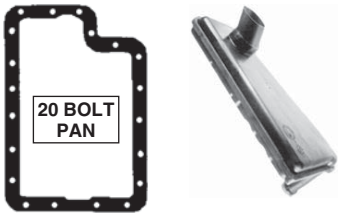
Farpak Filter Kit
428402

E40D

4WD

2009-89 Ford Trucks

OEM: E9TZ-7A098B
FRAM: FT1130
Purolator: P1214
S/C: 84136



Farpak Filter Kit
428459

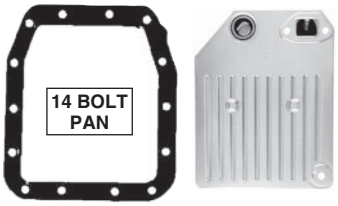
AOT (AOD) FIOD

w/4 Speed Automatic Overdrive

1996-80 Ford Trucks (2WD)
1992-80 Ford, Lincoln, Mercury Products

OEM: E1AZ-7A098A, E0AZ-7A098A
FRAM: FT1056
Purolator: P255
S/C: 84114

Filter installed



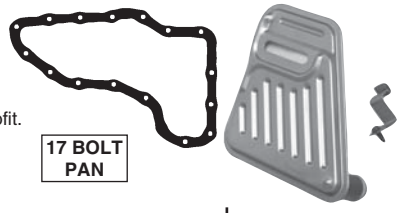
Farpak Filter Kit
428428

AXOD - E

1996-86 Ford Products

OEM: F4DZ-7A098A
S/C: 84140

*May retrofit 428446, bracket must be used for retrofit.



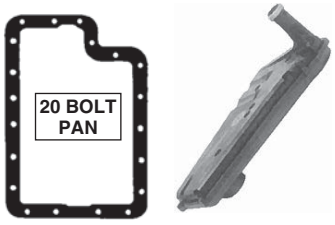
Farpak Filter Kit
428483

E40D

2WD

2008-89 Ford Trucks

OEM: E9TZ-7A098A
FRAM: FT1131
Purolator: P1213
S/C: 84135



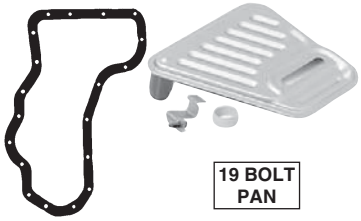
Farpak Filter Kit
428458

AX4N

w/Tall Orange Grommet

1996-95 Ford Taurus, Mercury Sable

OEM: F5DZ-7A098A
Purolator: P1243
S/C: 84138



Farpak Filter Kit
428491

TRANS FILTER KITS - FORD & GENERAL MOTORS

FORD

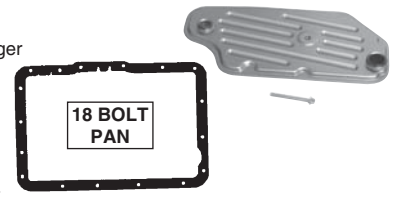
5R44E/4R44E/A4LD-E

2WD

2011-95 Ford Explorer, Ranger

OEM: F5TZ-7A098A
Motorcraft: FT-102
Purolator: P-1236
S/C: 84141

*May retrofit 428451 & 428455, bolt must be used on retrofit.



Farpak Filter Kit
428493

AODE-W

(4WD) (2WD) (4R70W)

2011-94 Ford Various V8's
2003-94 Ford Explorer 4WD
1998-96 Ford Explorer 2 & 4WD
2001-97 Mercury Mountaineer 2 & 4WD
1998-96 Ford E150 2 & 4WD
1998-97 Ford E250 2 & 4WD
2001-99 Ford E150 4WD
2001-97 Ford Expedition 4WD

OEM: F4TZ-7A098A, F6AZ-7A098A
FRAM: FT1167
Purolator: P-1232, P1417
S/C: 84139



Farpak Filter Kit
428495

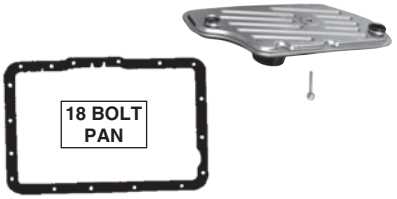
A4LD-E

4WD

2008-95 Ford Explorer
Ranger

OEM: F6TZ-7A098A
FRAM: FT1087A
Motorcraft: FT-103
Purolator: P-1237
S/C: 84142

*May retrofit 428452, bolt must be used on retrofit.

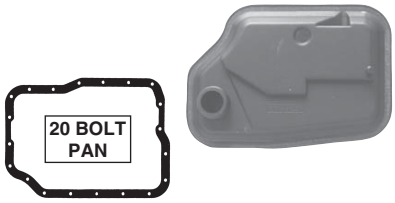


Farpak Filter Kit
428494

4F27E

2011-00 Ford Focus
2008-99 Mazda Protege
3.6 (2.0, 2.3L)

OEM:
Ford: XS4Z-7A098-AB
Mazda: FN01-21-500
FRAM: FT1210
Mighty: T320
S/C: 84144



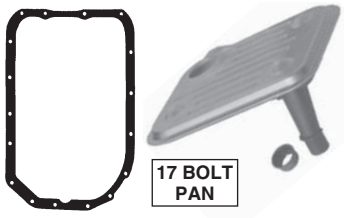
Farpak Filter Kit
428626

GENERAL MOTORS

4L80-E

2011-97 Chevrolet P/U, Tahoe, Suburban
2011-97 GMC P/U, Yukon, Suburban

OEM: 24208847, 24210956
FRAM: FT1203
Purolator: P1263
S/C: 82140

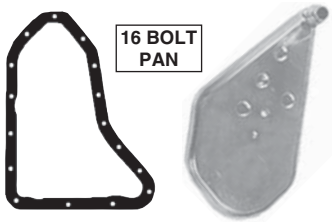


Farpak Filter Kit
428409

TH-125C/3T40

2002-91 GM (FWD) Cars
1991-80 TH-125 applications
NOTE: Will retro fit all TH-125 Transmission applications.

OEM: 8631342, 8631621, 8631951, 25010991, 8666665
FRAM: FT1047
Purolator: P254
S/C: 82131



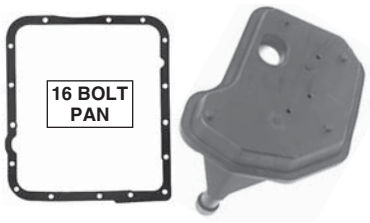
Farpak Filter Kit
428460

4L60E-RWD

4 Speed, Deep Pan

2011-93 GM Light Duty Trucks

OEM: 24208813, 24208465
FRAM: FT1217
Purolator: P1267

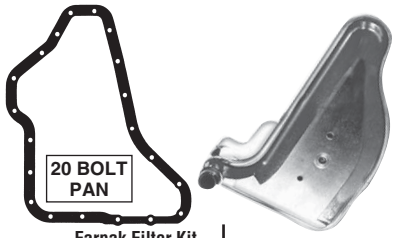


Farpak Filter Kit
428412

4T65E/4T60-E (TH-440-T4E)

2011-91 GM Cars (Lumina, Seville, etc.)

OEM: 8651909
AC/Delco: TF248
FRAM: FT1129A
Purolator: P1201
S/C: 82132



Farpak Filter Kit
428461

REUSABLE PAN GASKET

H18

TRANS FILTER KITS - GENERAL MOTORS

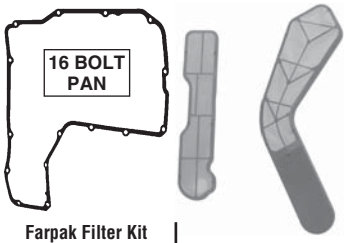
GENERAL MOTORS

4T80-E

4 Speed, FWD

2011-94 Most Cadillacs & Various other GM Products

OEM: 8679416, 8680700
FRAM: FT1172
Purolator: P1227
S/C: 82139

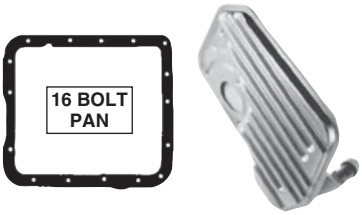


Farpak Filter Kit
428415

4L60-E

2011-93 GM Products
2006-97 Isuzu Products

OEM: 8681082, 8685950, 24200796
FRAM: FT1146
Purolator: P1211
S/C: 82135

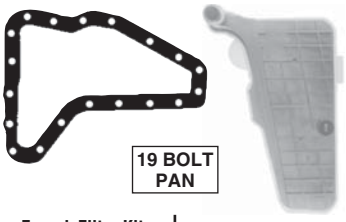


Farpak Filter Kit
428484

TH-440-T4

1993-84 GM Products (FWD)

OEM: 8646902, 8661916, 8661918, 8662853, 8662943
FRAM: FT1072
Purolator: P1185
S/C: 82138

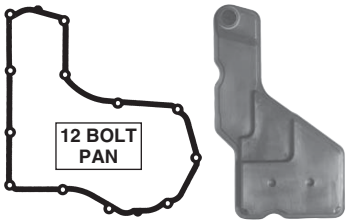


Farpak Filter Kit
428432

4T40E

2011-95 Most Midsize GM Products including Saturn

OEM: 8685185
FRAM: FT1166
Mighty: T315
Purolator: P1268
S/C: 82143



Farpak Filter Kit
428625

SATURN

2002-91 Saturn

OEM: 21002303, 21003298
FRAM: P6646
S/C: 82134



Filter Kit
428463

ALLISON LCT 1000/2000

(2WD) (Shallow Pan Version - Black in Color)

2011-01 GMC 6.6L
Chev./GMC HD P/U
Duramax 8100, 8.1L
GM Motor Homes
Freight Liner LD Trucks
Medium Duty W6 & Up
Isuzu, Nissan,
Mitsubishi Fuso
International Harvester
3800 Series

OEM: 29537965
FRAM: F1228
S/C: 82145



Farpak Filter Kit
428632

REUSABLE GASKET (NOT INCLUDED)

H18

TRANSMISSION FILTER INTERCHANGE

INTERCHANGE LISTING FOR PREMIUM FILTER KITS

PREMIUM PART NO.	REFERENCE NO.	AC	ATP	ARPAC	SERVICE CHAMP	FRAM	HASTINGS	MOTORCRAFT	NAPA	PUROLATOR	SPX FILTRAN	MIGHTY	WIX
428402	F6DZ-7A098A	--	--	--	84143	--	--	--	--	P1247	--	--	--
428409	24208847, 24210956	--	--	--	82140	FT1203	TF144	--	1-8564	P1263	--	--	58608
428410	52118789	--	--	--	86112	FT1206	--	--	--	P1262	--	--	--
428412	24208813	--	--	--	--	FT1217	--	--	--	P1267	--	--	--
428415	8679416, 8680700	TF305	--	--	82139	FT1172	TF136	--	--	P1227	--	--	51895
428417	8123042	PF189	B42	AP105/06	86101	FT1031, FT1032, FT1039	TF25	FT71	1-4942	P232, P233	628-104	T39	51707
428428	E0AZ-7A098A	TF212	B62	AP121	84114	FT1056	TF51	FT58	1-5037	P255	--	T56	51939
428432	8662853	TF236	B72	AP140	82138	FT1072	TF72	--	1-7804	P1185	F165A	T72	51942
428433	4269649	TF221	B71	AP132	86106	FT1065	TF64	--	1-7466	P1175	628-164	T65	51705
428454	4504048	TF242	B102	AP153	86108	FT1122	TF88	--	1-7940	P1198	--	T122	51934
428458	E9TZ-7A098	TF266	B103	AP154	84135	FT1131	TF92	FT88	1-7953	P1213	--	T130	51967
428459	E9TZ-7A098-B	TF283	B104	AP155	84136	FT1130	TF93	FT89	1-7954	P1214	--	--	51968
428460	8666665	TF230	B56	AP180	82131	FT1047	TF77	FT69	1-5147	P254	628-147	T47	51952
428461	8651651	TF248	B106	AP171	82132	FT1129A	TF90	--	1-8096	P1201	F217	T248	51918
428463	21002303	TF298	--	AP189	82134	P6646	HP956	--	--	P1215	--	T293	51546
428483	F4DZ-7A098A	--	--	--	84140	--	--	FT87	--	--	F251	--	--
428484	8681082	TF256	B126	AP200	82135	FT1146	TF113	--	1-7589	P1211	F243A	T292	51904
428485	4567070	TF258	--	AP213	86111	FT1141	TF114	--	1993	P1220	F253	T294	51933
428491	F5DZ-7A098A	--	--	--	84138	--	--	--	--	P1243	--	--	--
428493	F5TZ-7A098A	--	--	--	84141	--	--	FT-102	--	P1236	--	--	--
428494	F6TZ-7A098A	TF240	B94	FP138	84142	FT1087A	TF140	FT-103	1-7939	P1237	--	P1237	51841
428495	F4TZ-7A098A	TF302	--	AP230	84139	FT1167	TF128	FT-101	--	P1232, P1417	--	P1232	51955
428625	8685185	--	--	--	82143	FT1166	--	--	--	P1268	--	T315	--
428626	XS4Z-7A098-AB FN01-21-500	--	--	--	84144	FT1210	--	--	--	--	--	T320	--
428627	4799507	--	--	--	86113	FT1223	--	--	--	--	--	T321	--
428628	4800029AA	--	--	--	86114	--	--	--	--	--	--	T322	--
428632	29537965	--	--	--	82145	FT1228	--	--	--	--	50440	--	--

*** STANDARD FILTER KIT**

POPULARITY RATING

PART NUMBER	CAR MAKER	TRANSMISSION TYPE	POPULARITY RATING
428402	Ford	AX4N	N
428409	GM	4L80E	B
428410	Chrysler	42, 44, 46, 47RE	A
428412	GM	4L60E-RWD	B
428415	GM	4T80-E	B
428417	Chrysler	Torque Flite 6 & 8	A
428427	GM	TH200-4R	AA
428428	Ford	AOT	AA
428432	GM	TH440-T4	AA
428454	Chrysler	A604	AA
428458	Ford	E40D	A
428459	Ford	E40D	A
428460	GM	3T40	AA
428461	GM	4T60	AA

PART NUMBER	CAR MAKER	TRANSMISSION TYPE	POPULARITY RATING
428463	GM	Saturn	A
428483	Ford	AXOD-E	A
428484	GM	4L60-E	A
428485	Chrysler	A606	N
428491	Ford	AX4N	N
428493	Ford	A4LD-E-2WD	N
428494	Ford	A4LD-E-4WD	N
428495	Ford	AODE-W	N
428625	GM	4T40E	A
428626	Ford/Mazda	4F27E	B
428627	Chrysler/Jeep	45RFE (4WD)	A
428628	Chrysler/Jeep	45RFE (2WD)	A
428632	Allison/GMC	1000/2000	B

H SECTION UNDER CAR



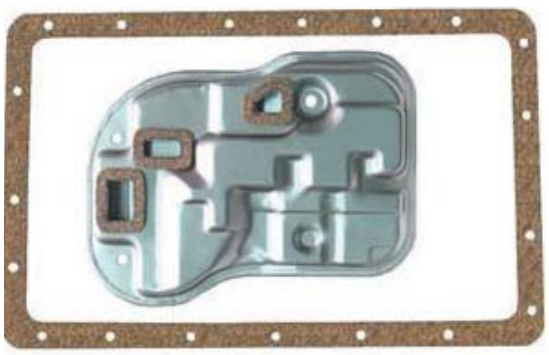












H18-5 PIX **PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.**

EXHAUST SYSTEM HANGERS & COMPONENTS

GM OE STYLE HEAVY DUTY MUFFLER CLAMPS

Heavy duty for all maximum strength applications.

- Hardened 3/8" U-bolt & 1/16" thick saddle to absorb higher tightening torques.
- Case-hardened, flanged, & serrated WHIZ-LOCK nut for non-distorting bearing surface, higher torque limits, extra tight locking power.

SIZE	PART NUMBER	QTY
1-1/2	**41301**	12
1-3/4	**41302**	12
1-7/8	**41303**	12
2	**41304**	12
2-1/8	**41305**	12
2-1/4	**41306**	12
2-1/2	**41307**	12



Fits GM OE hangers / GM OE design

STANDARD MUFFLER CLAMPS

Improved design provides 360 leak-proof seal.

- Strong 5/16" U-bolt complete with hex nuts.
- Heavy gauge cold-rolled steel saddles with reinforcing ribs and gussets for extra strong connections.
- Full circle clamp action for a rigid,gas tight connection.

SIZE	PART NUMBER	QTY
1-1/2	**41101**	24
1-7/8	**41104**	24
2	**41105**	24
2-1/4	**41107**	24
2-1/2	**41108**	24



WELDED TRUCK CLAMPS

- Tab welded saddle design provides maximum clamping force with virtually no twisting or spreading.
- Extra-long 3/8" U-bolts are heat-treated.
- Case-hardened, flanged, & serrated WHIZ-LOCK nut for non-distorting bearing surface, higher torque limits, extra tight locking power.

PIPE SIZE	PART NUMBER	QTY
3	**41325**	12
4	**41326**	1



FLAT SADDLE
Required for mounting on GM hangers

HEAVY DUTY TRUCK MUFFLER CLAMPS

- 3/8" U-bolt.
- Heat treated, 3/8" locking flange nut.
- Saddle design provides a positive seal without cutting pipe.
- Heavy gauge steel provides additional rigidity and durability.

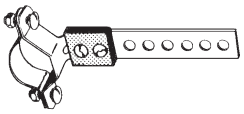
SIZE	PART NUMBER	QTY
2-3/4	**41230**	10
3	**41231**	1
3-1/2	**41232**	1
4	**41233**	1
4-1/2	**41234**	1
5	**41235**	1



UNIVERSAL TAILPIPE HANGER

- Heavy duty for fast, safe installation.
- Heavy gauge steel.
- Rubberized sound & vibration absorber.
- Perforated strap for easy installation, 6" long.
- Fits all 1-1/2" to 2" O.D. pipes.
- Supplied with 5/16" carriage bolts for one wrench installation.

Part No. 41412 (12)



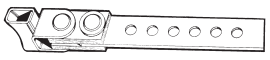
SWINGER HANGERS

The Original Swinger Hanger

- Super heavy duty.
- Ideal for trucks, buses, auto's, RV's.
- Specially engineered to swivel left or right up to 45° and turn 360°.
- Will fit any and all configurations to meet any installation problems you encounter.
- 1/8" (11 ga.) thick steel construction makes the Super H.D. hanger the strongest made.

Part No. 41418 (12) Length: 9-1/2"
• Our most popular style •

Part No. 41419 Length: 17"



The Short Swinger

- Modification of the original 360 Swinger.
- Designed specifically for today's newer cars with tightly channeled exhaust systems where clearances are a problem.
- Same design features as the original but with a shorter, pre-bent strap and a convenient slot for minor adjustment.



Part No. 41416 (12)

EMISSION SYSTEM CLAMP

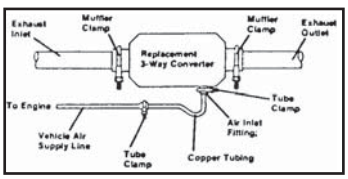


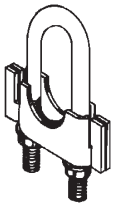
Diagram shows example of a replacement three-way converter with the air tube attachment.

Connects OE air injection line to the catalytic converter.

General Motors
Air Tube Size: 1/2"

Part No. 425201 3

Fits:
3.8L (231 CI) V6 w/A.I.R System
4.4L (267 CI) V8 w/A.I.R. System
5.0L (305, 307 CI) V8 w/A.I.R System
Replaces: GM 2250516



UNIVERSAL AIR TUBE CLAMP



1" O.D.
Part No. 321547 2

EMISSION COMPONENTS & HARDWARE

NEW CHRYSLER SPLIT FLANGES



Part No. **825186** 3

- **Designed to replace the engine pipe flange in front of the catalytic converter.**
- **Just remove the old burnt-out flange and install.**
- **Direct fit replacements - when assembled, will exactly duplicate OE flanges.**
- **Each flange includes OE spring package.**

1989-83 All Chrysler Products (ex. Turbo)
1983-80 Omni Horizon (1.7, 2.2L)
1983-81 Aries, Reliant, LeBaron (2.2, 2.6L)

FORD SPLIT FLANGE KIT

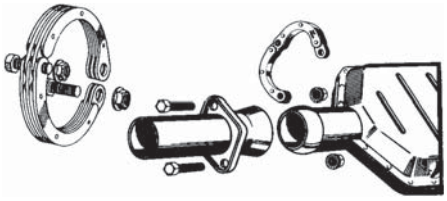


Part No. **825199** 3

Fits Ford Tempo/Taurus and Mercury Topaz/Sable from 1982-up.

- **Designed primarily as a replacement for the flange on the inlet side of the converter.**
- **Includes O.E. equivalent shoulder bolts, ground springs and retaining nuts.**
- **Replaces: Midas X1333.**

CATALYTIC CONVERTER LAMINATED STEEL SPLIT FLANGE KIT



- **No disassembly required easy replacement without cutting or damaging the converter.**
- **Each flange kit includes 3/8" heat treated locking flanged nuts & tap bolts.**

PART NUMBER	FITS PIPE SIZE	QTY
41428	1-3/4 - 2	6
41429	2 - 2-1/4	6

PART NUMBER	FITS PIPE SIZE	QTY
41431	2-1/4 - 2-1/2	6

EXHAUST MANIFOLD HARDWARE



1990-78 Chrysler, Dodge, Plymouth,
All Front Wheel Drive exc. Turbo

OE #52170035, 4301631, 6100499

- **Also part of kit #825186**

Part No. **825188** (6)



1990-78 Chrysler, Dodge, Plymouth,
All Front Wheel Drive w/ Turbo

OE # 5217003, 4301631, 4301350

Part No. **825202** (6)



1991-80 Ford Escort, Lynx
1990-89 Ranger, Bronco
1990-84 Taurus, Sable
1989-88 Continental w/ 230
1989-84 Tempo or Topaz w/ 140
1985-83 T-Bird, Cougar
Continental w/ 302

OE # F9FZ-5F246, N802641-S

Part No. **825201** (6)



1996-88 Honda various models

Replacement for OE #18231-SB2-000, 18231-SR3-J01, 18231-SH3-J31, 18231-SR3-A22, 90115-SB2-003, 90115-SH3-J30, 18230-SA0-930

Part No. **825128** (6)

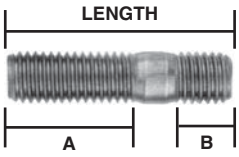
DOUBLE END METRIC STUDS

DIAMETER & PITCH	LENGTH	PART NUMBER	A/B	QTY
6mm x 1.0	25mm	**532311**	18/7.5mm	25
6mm x 1.0	30mm	**532312**	18/7.5mm	25
6mm x 1.0	40mm	**532313**	18/7.5mm	25
6mm x 1.0	50mm	**532321**	18/7.5mm	25
8mm x 1.25	25mm	**532314**	22/10mm	25
8mm x 1.25	30mm	**532315**	22/10mm	25
8mm x 1.25	40mm	**532316**	22/10mm	25
8mm x 1.25	50mm	**532322**	22/10mm	25
10mm x 1.25	28mm	**532323**	20/14mm	24*
10mm x 1.25	32mm	**532324**	25/16mm	24*
10mm x 1.5	30mm	**532317**	26/12mm	25
10mm x 1.5	40mm	**532318**	26/12mm	25
10mm x 1.5	50mm	**532319**	26/12mm	25
10mm x 1.5	80mm	**532320**	26/12mm	25

*** Plated**

- **Class 5.6 - Din 939.**
- **Black oxide finish.**

Protected by BLACK OXIDE FINISH™ against rust & corrosion



EXHAUST HARDWARE

EXHAUST BOLT ASSORTMENT

- Muffler shop time saver.
- Most popular exhaust bolts, self-tapping screws, oversize washers and nuts.
- All the hardware needed to hang every exhaust system.





Part No. 501454
320 pieces • 24 items
12017 steel tray

41425	41445	41449	717144	825136	825141
41426	41446	50621	825133	825137	825142
41441	41447	50622	825134	825138	825143
41442	41448	717143	825135	825139	825144

Numbers in assortment

FULLY THREADED EXHAUST BOLTS

SIZE	PART NUMBER	QTY
5/16 x 1-1/4	**825141**	50
5/16 x 1-1/2	**825142**	50
5/16 x 2	**825133**	50
5/16 x 2-1/2	**825134**	50
5/16 x 3	**825135**	50
3/8 x 1	**825143**	50
3/8 x 1-1/2	**825136**	50
3/8 x 2	**825144**	50
3/8 x 2-1/2	**825137**	50
3/8 x 3	**825138**	50
3/8 x 3-1/2	**825139**	50
3/8 x 4	**825140**	50

- Oiled finish.
- Grade 2.
- USS coarse thread.



*See page A12-8 & 9 for additional sizes and grades.

SELF TAPPING EXHAUST SYSTEM MOUNTING SCREWS

SIZE	PART NUMBER	QTY
6 x 20mm	**41427**	25
5/16 x 3/4	**41425**	100
5/16 x 1	**41426**	100
5/16 x 1-1/2	**41445**	25
5/16 x 1-3/4	**41446**	25
3/8 x 3/4	**41441**	100
3/8 x 1-1/4	**41442**	100
3/8 x 1-1/2	**41447**	25
3/8 x 1-3/4	**41448**	25
3/8 x 2	**41449**	25

- UNIVERSAL - use to mount any bracket or hanger.
- Hardened Steel - cuts its own threads.
- Hex washer head.
- Lusterplated.



OVERSIZED EXHAUST HANGER WASHER

- Prevents hanger failure.
- Provides large bearing surface to prevent bolt pulling through hole.

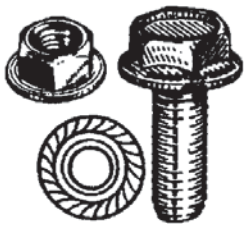


I.D.	O.D.	PART NUMBER	QTY
5/16	1-1/4	**825148**	50
3/8	1-1/4	**825149**	50

JIS SMALL HEAD FLANGE BOLTS & NUTS

- Class 10.9
- Import car exhaust systems.
- 14mm wrench size.
- 20mm flange O.D.





SIZE	PART NUMBER	QTY
10 x 1.25 x 16mm	**825204**	10
10 x 1.25 x 20mm	**825205**	10
10 x 1.25 x 30mm	**825206**	10
10 x 1.25 x 40mm	**825207**	10
10 x 1.25mm (nut)	**825208**	10

"WHIZ LOCK" MUFFLER CLAMP NUTS

- Flanged, serrated, self-locking case-hardened.
- Replacement nuts for all clamps & brackets.



USS COARSE THREAD	PART NUMBER	QTY
5/16	**825145**	50
3/8	**825146**	50

METRIC LOCK NUTS

- Used on VW Manifold and Exhaust Systems.
- Copper plated steel.



SIZE PITCH	WIDTH ACROSS FLATS	OEM NUMBER	PART NUMBER	QTY
8mm-1.25	13mm	043-101-457L	**716889**	25
10mm-1.50	14mm	021-101-4575	**716890**	25

BRASS MANIFOLD NUTS

- Corrosion resistant. Burr-free threads.
- High strength copper-zinc formulation.

USS STOCK NO.	WRENCH SIZE	NUT SIZE	HEIGHT	QTY
51178	5/16	1/2	17/64	50
51180	3/8	9/16	11/32	50
51186	3/8 HI	9/16	5/8	50
51182	7/16	11/16	3/8	50
51190	7/16	5/8*	3/8	50
51184	1/2	3/4	7/16	24

*Undersized

METRIC STOCK NO.	THREAD SIZE x PITCH	WRENCH SIZE	NUT HEIGHT	QTY
553161	6mm x 1.00	10mm	5mm	50
553162	8mm x 1.25	13mm	6mm	50
553165	8mm x 1.25	13mm	15mm	50
553163	10mm x 1.50	17mm	8mm	50



EXHAUST HARDWARE and TRUCK/BUS/FARM/INDUSTRIAL

EXHAUST MANIFOLD CLAMP-A-STUD

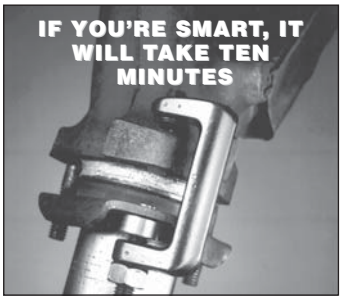


THE CLAMP-A-STUD IS NOT A TEMPORARY CLAMP! IT'S MADE OF FORGED STEEL.

Clamp-A-Stud is a permanent, durable, professional alternative to the time and expense of drilling and tapping out broken studs. It even works on some manifolds with cracked or broken tangs.

PART NUMBER	SIZE RANGE (INCHES)	FITS MOST
825501	1-1/4 - 2-3/4	Domestic w/o Heat Riser

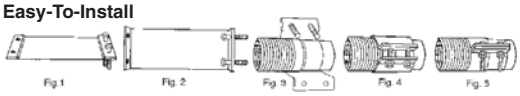
Give Clamp-A-Stud a try. No One's Lucky All The Time

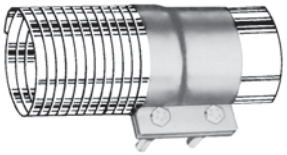


You know the problem: broken or impossible to get at manifold studs. Hey, it happens, If you're lucky, it's a half-an-hour job. If you're not, it means extra time on the bench (or at the machine shop) and extra costs that somebody's got to absorb. Now there's a new way to deal with broken or problem studs. Clamp-A-Stud. The Clamp-A-Stud comes in four sizes which fit almost every manifold made. There's also a special Clamp-A-Stud for GM and Chevrolet 350 and 400 Heat-Riser Type Manifolds. And the price won't break you. So why take an hour or more to do a ten-minute job? Be smart.

EXHAUST SYSTEM SEALCLAMPS

Easy-To-Install





Most states require school buses to use sealclamps on all exhaust system joints for extra safety and protection.

The sure way to seal exhaust system joints.

- **Stainless steel.**
- **Grade 8 hardware included.**
- **No need for welding.**
- **Installs on already assembled exhaust.**
- **Flat band.**

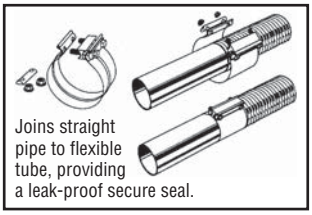
PART NUMBER	SIZE
425221	2
425223	2-1/2
425225	3

PART NUMBER	SIZE
425226	3-1/2
425227	4
425228	5

All sizes 3-1/2" wide.

FLEXTITE "LAPJOINT" BAND CLAMPS





Joins straight pipe to flexible tube, providing a leak-proof secure seal.

Pre-formed with raised center ridge for perfect alignment and improved sealing.

- **Stainless steel.**
- **Invidually boxed.**
- **Completely assembled ready for installation.**

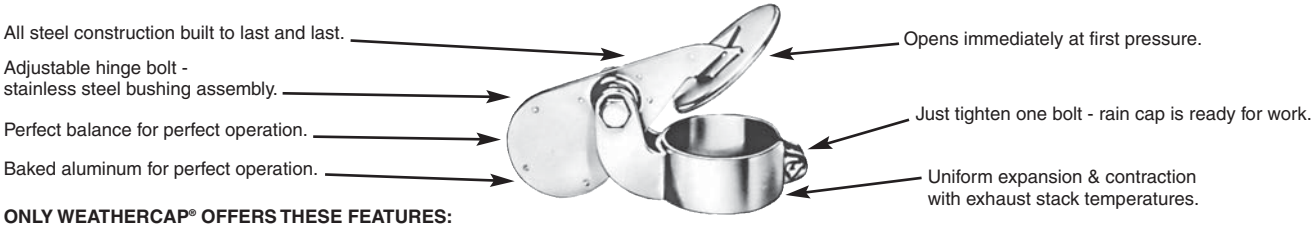
PART NUMBER	SIZE
425241	2-1/2
425242	3
425243	3-1/2

PART NUMBER	SIZE
425244	4
425245	5

WEATHERCAPS®

Vertical Exhaust Stack Protection from Dirt, Weather and Insects.

For use on farm tractors, diesel engines, combines, hay balers, stationary power units, pumps, road pavers, irrigation wells, compressors, concrete mixers, rock crushers, earth movers, trucks: over-the-road, local delivery and construction.



ONLY WEATHERCAP® OFFERS THESE FEATURES:

- There is an engineered Weathercap size for each stack diameter. Over 20 different sizes to choose from. Fit vertical exhaust stacks from 1" to 7-15/16" O.D.
- Weathercap's proven design opens to full vertical position. The slightest pressure inside the stack operates Weathercap so engine breathes freely.
- Easy installation. Simply position and tighten one bolt. No holes to drill. No clamps needed.
- Closes instantly when exhaust pressure stops. Proper counter-balancing and high hinge point, allow Weathercap to close tightly even in abnormal parking angles.

PART NUMBER	TYPE NO.	MIN. EXHAUST O.D. (INCHES)	MAX. EXHAUST O.D. (INCHES)
425331	1	1-1/4	1-7/16
425333	3	1-3/4	1-15/16
425334	4	2	2-3/16
425335	5	2-1/4	2-7/16
425338	8	3	3-3/16
425340	10	3-1/2	3-11/16

PART NUMBER	TYPE NO.	MIN. EXHAUST O.D. (INCHES)	MAX. EXHAUST O.D. (INCHES)
425341	11	3-3/4	3-15/16
425342	12	4	4-3/16
425346	16	5	5-3/16
425348	18	5-1/2	5-11/16
425351	21	6-5/8	6-3/4

NOTE: Mounting band adjusts for differences of 3/32" over or under stack size.

Use only ORIGINAL Weathercaps.® Don't depend on substitutes. PROTECT YOUR EQUIPMENT INVESTMENT!

Be Aware Of The Dangers And Risks Of An Open Vertical Exhaust Stack

• Reduced engine performance • Income loss due to equipment down time • Repair expenses • Unplanned work rescheduling •

HOT ITEMS / MOST USED QUICK REFERENCE INDEX

PROMO NO.	DESCRIPTION	PART NO.'S	PAGE NO.
PSSZT010512	**Abrasives**		
	Thor, Depressed Center Grinding Wheels	**Various Stock Numbers**	D10A-10B
	Zeus, Metal Cut-Off Wheels	**Various Stock Numbers**	D10A-10C
PSS012012	**Advil,** Pain Reliever & Fever Reducer	312193	D14-22B
PSS070113	**Annihilator,** Tar and Asphalt Remover	44466G5, 44466G55	C12-4B
PSS050111	**Assault II,** Aerosol Insecticide	44420	C14-C
PSS042911	**Back Flip,** Crawling Insect Killer	211637	C14-D
PSS061510	**Bio Foam,** Enzymatic Coil Cleaner	211627	C12-2D
PSS060310	**Champion,** Premium Lubricant	211584	C10-2B
PSS061814	**CitroFresh,** Odor Eliminator & Deodorizer	211355	C14-2D
PSS021010	**Cling 'N Clean,** Glass, & Surface Cleaner	211591	C12-2A
PSS031511	**Coil Foam,** Non-Acid Coil Cleaner & Renovator	44401 & 44402G1	C14-6A
PSS031111	**Cool Gel,** Heat Barrier Spray	44409	D13-8A
PSS070710	**Crystal Clear,** Premium Glass Cleaner	211629	C12-12B
PSS110812	**Disposable Gloves,** Top Quality	**Various Stock Numbers**	D14-18A-D
PSS121709	**Drain Punch,** Alkaline Drain Opener	211513 & 211513G1	C14-6B
ADV072811	**Drill Bits, Ultra Moly Muscle**	811001-005 & 811020-048	D10B-22A-D
SMP122208	**E-Z Set & Forget Pliers**	113577, 580, 581 & 585	D11-8A
PSS121610	**Fire & Rescue Saw Blades**	114220-225, 114460-465	D10C-38A
PSS092412	**Freshwave IAQ,** Natural Odor Eliminator	44406, 44414G1, 44415G5, 44460 to 44463	C14-2C
PSS031411	**Gel-Tac Extra,** Penetrating Gel Lubricant	213162	C10-4B
PSS010614	**Gorilla™ Tape, Clear Repair**	813259	D14-2A
PSS081210	**Gorilla™ Tape, Extra Wide in Black**	813263	D14-2B
PSS040414	**Heater Line Repair**	324014-020, 324023, 324025-028	L15-2D
PSS042512	**Herbicides,** Vegetation Kill	44417G1, 44418G1, 44421, 44422G1, 44423G1, 44424G1, 44425G1, 44426G1 & 44428G1	C14-A
PSS110910	**Hose Protection Asst.**	501755	L15-2A/B
PSS101510	**Kapow Towels,** Pre-Moistened Cleaning Towels	901035	C12-4D
PSS070912	**Lenox® Speed Slot™ Hole Saws & Arbors**	113450, 452-463, 114505-518 & 501770-772	D10C-40A-D
PSS060811	**Magnum,** Heavy Duty Industrial Foam Degreaser	211628	C12-2B
SMP032112	**Markal Pencil & Markers**	211140-143, 146 & 211150-157	D14-14B
PSS080614	**Marvalosa,** Multi-Purpose Cleaner & Deodorizer	44499G1, 44499G55	C14-4A
PSS080614	**Marvalosa,** Odor Control Urinal Screens	44496	C14-4A
PSS080614	**Marvalosa,** Air Freshener & Dispenser	44497, 44498	C14-4A
PSS1026101	**Mini Torch,** Professional Quality	412228	E10-18C
SMP081109	**Multi-Wire Connector Asst. w/Torch**	501750	E12-4D/E
INFO081109	**Multi-Wire In-Line Butt Connectors**	210600-603	E12-4F
PSS061311	**Odorcide - Dumpster & Chute**	44432G1 & 44433	C14-4D
PSS061311	**Odorcide - Original Formula**	44434, 44435G1 & 44436	C14-4C
PSS100112	**Omni L/P,** Penetrant Lubricant	211336	C10-8B
PSS012414	**Patch & Run Kit**	204100	C11-2B
PSS052810	**P-Free,** Uratic Salt Remover	211625	C14-4B
PSS031010	**Perfect Solution,** Concentrated Cleaner/Degreaser	PFS485	C12-2C
SMP070108	**Q-Bond,** The Fastest Bonding, Strongest Adhesive	204050	C11-2A
PSS1026103	**Quick Change Ratcheting Terminal Crimping Kit**	213386	D11-14A
PSS030512	**Ratcheting Adjustable Wrench Set**	213033	D11-4A
PSS042312	**Rotating Magnetic LED Worklights & LED Tools**	311240-243 & 245-247	D12-2A/B

OVER➡

HOT ITEMS / MOST USED QUICK REFERENCE INDEX

PROMO NO.	DESCRIPTION	PART NO.'S	PAGE NO.
PSS011211	**Safety Couplers**	100697, 100698, 100699	B11-8B
PSS022412	**Seal-It,** Multi-Purpose Sealant	44448 & 44459	C13-B
PSS102610	**Shrink 'N Seal Terminals w/Mini Torch Asst.**	501757	E10-18D
PSS100610	**Street Legal,** Low VOC Brake Cleaner	213116	C12-10A
PSS092211	**Super Glue Remover**	811218	C11-4B
PSS041914	**Sure Solv,** Universal Solvent & Cleaner	44491, 44492, 44492G1, 44492G1-4	C12-4A
PSS052212	**Thread Repair, Universal**	813390 & 813393	D10C-30B
PSS012510	**Triple Tooth Hacksaw Blades**	113333	D10C-34A
PSS052112	**Triple Edge Saw Blades**	114534, 538-539 & 114562-567	D10C-38B
PSS080910	**U-Bend Hose Coil**	618441-443	L15-2C
ADV072811	**Ultra Moly Muscle Drill Bits**	811020-811048, 811001-005	D10B-22A-D
SMP111209	**Wonder Premium Hand Cleaner**	13181, 13184 & 13185	C12-8B
PSS050212	**Woundseal,** Stops Bleeding Instantly	312182 & 312184	D14-22A
SMP042111	**Wire Stripper** For Recessed Areas	213552	D11-14B
PSS063010	**Zenkill III Wasp & Hornet Killer**	211635	C14-B

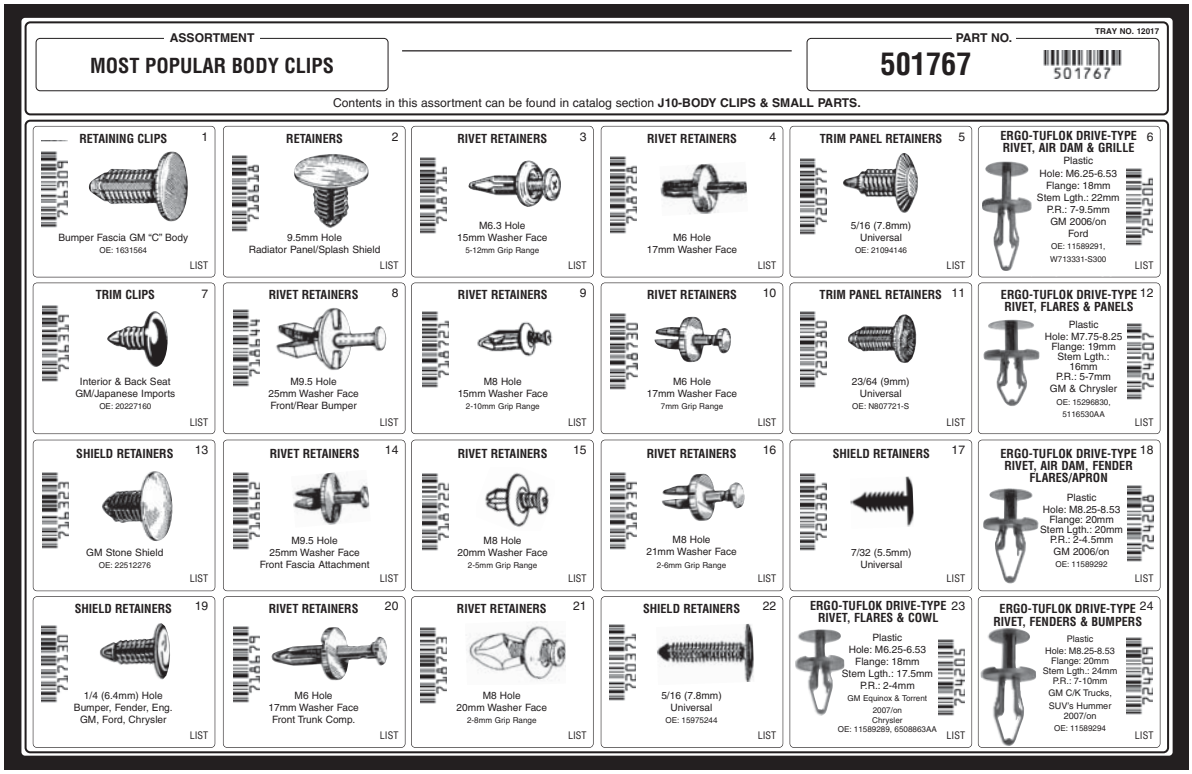
J10 BODY CLIPS and SMALL PARTS ASSORTMENTS

QUICK REFERENCE SUB-INDEX J10 ASSORTMENTS

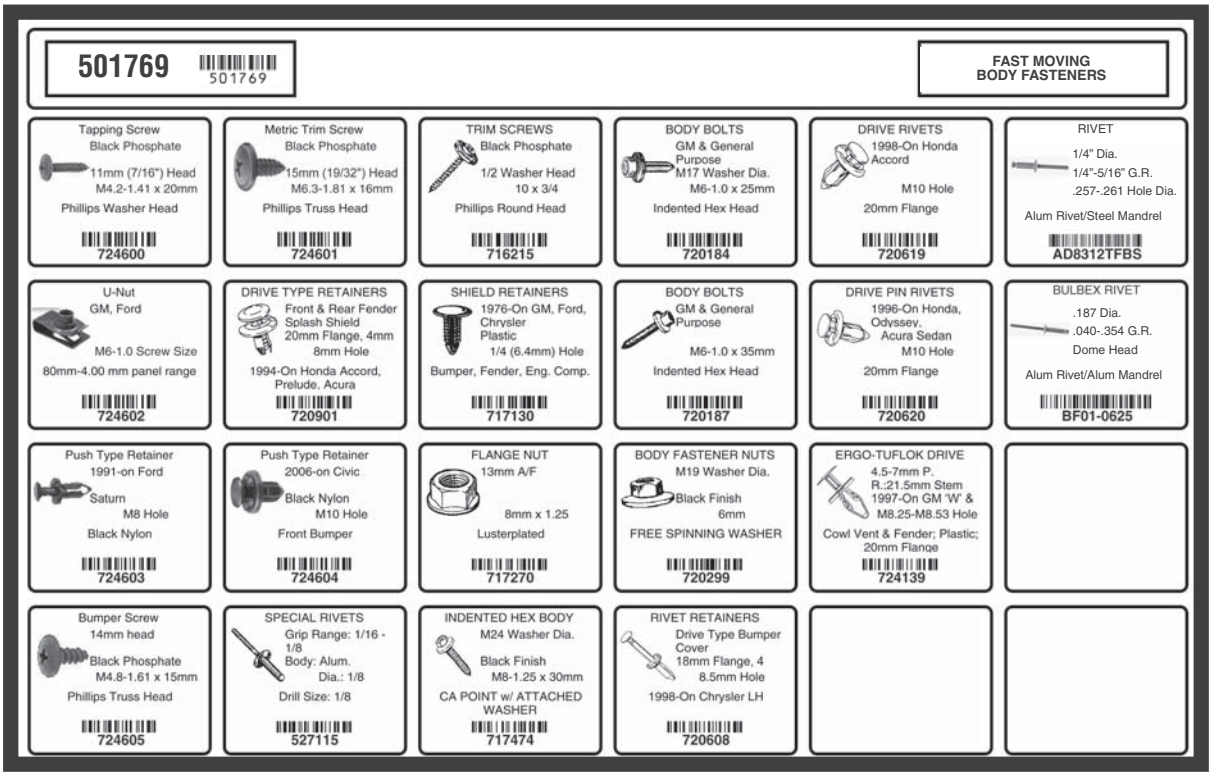
PRODUCTS	PART NO.	PAGES
BOLTS		
Fractional Body Bolts	501712	J10-8
Body Bolts & Nuts	501736	J10-7
CLIPS		
Interior Trim Retaining Clips	501378	J10-4
GM Interior Trim Panel Retaining Clips	501380	J10-13
Most Popular Body Clips	501767	J10-2
Nissan / Infiniti Body Clips	501805	J10-17
Nissan Body Clips	501806	J10-17
Hyundai / Kia Clips # 1	501807	J10-18
Hyundai / Kia Clips # 2	501808	J10-18
Suburu Body Clips	501809	J10-21
GM Moulding Clips	501812	J10-13
Mercedes Body Clips	501817	J10-19
VW / Audi Body Clips #1	501818	J10-20
VW / Audi Body Clips #2	501819	J10-20
CLIPS & RETAINERS		
Honda / Acura Clips & Retainers	501801	J10-15
Lexus Body Shop Fasteners	501802	J10-15
Toyota Body Shop Fasteners # 1	501803	J10-16
GM Retainer Clips	501814	J10-14
BMW Body Clips	501816	J10-19
NUTS		
Pal & Push Nuts	501030	J10-7
U & J Speednuts	501437	J10-9
“Extruded “”U”“ Speednuts”	501438	J10-9
Nuts & Grommets Assortment II	501431	J10-6
RETAINERS		
Push Pin & Screw Type Rivet Retainers	501453	J10-3
Retainers	501834	J10-4
Universal Plastic Shield Retainers	720401	J10-5
RIVETS		
Automotive Body Rivets	501529	J10-8
Ergo-Tufloks Drive Type Rivets	724300	J10-6
SCREWS		
Phillips Washer Head Tapping Screws	501374	J10-10
Fast Moving Body Fasteners	501769	J10-2
License Plate Screws Assortment	501773	J10-3
VARIETY ASSORTMENTS		
Trim Clips, Retainers and Screws	501688	J10-5
Toyota Popular Fasteners	501790	J10-21
Honda Popular Fasteners	501791	J10-22
Toyota Body Shop Fasteners # 2	501804	J10-16
Chrysler Body Shop Fasteners	501810	J10-11
Ford Body Shop Fasteners	501811	J10-12
GM Variety	501813	J10-14
Ford , Chrysler & GM Combo	501815	J10-12
WASHERS		
Plated Fender Washers	501483	J10-10
Fender Washers	501820	J10-11

STEEL TRAY ASSORTMENT

J10 ASST

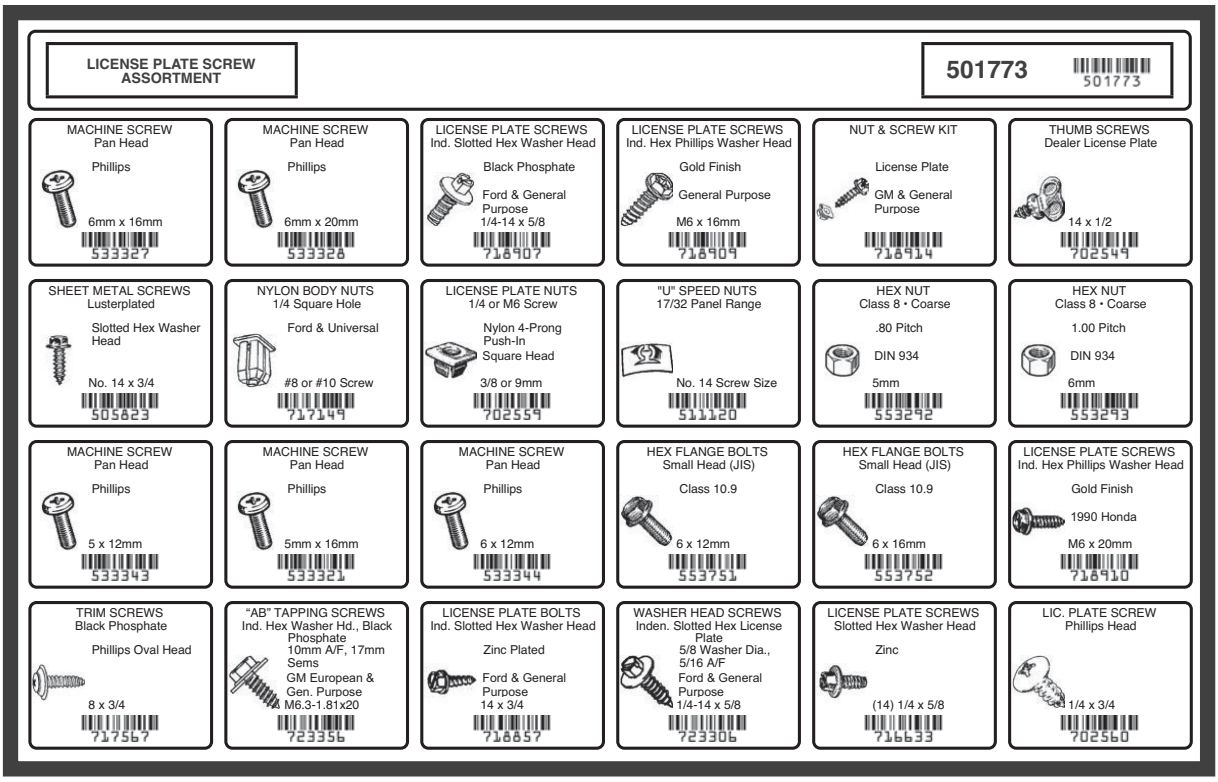


Part No. 501767 **24 Items** **Total Pcs. 300**

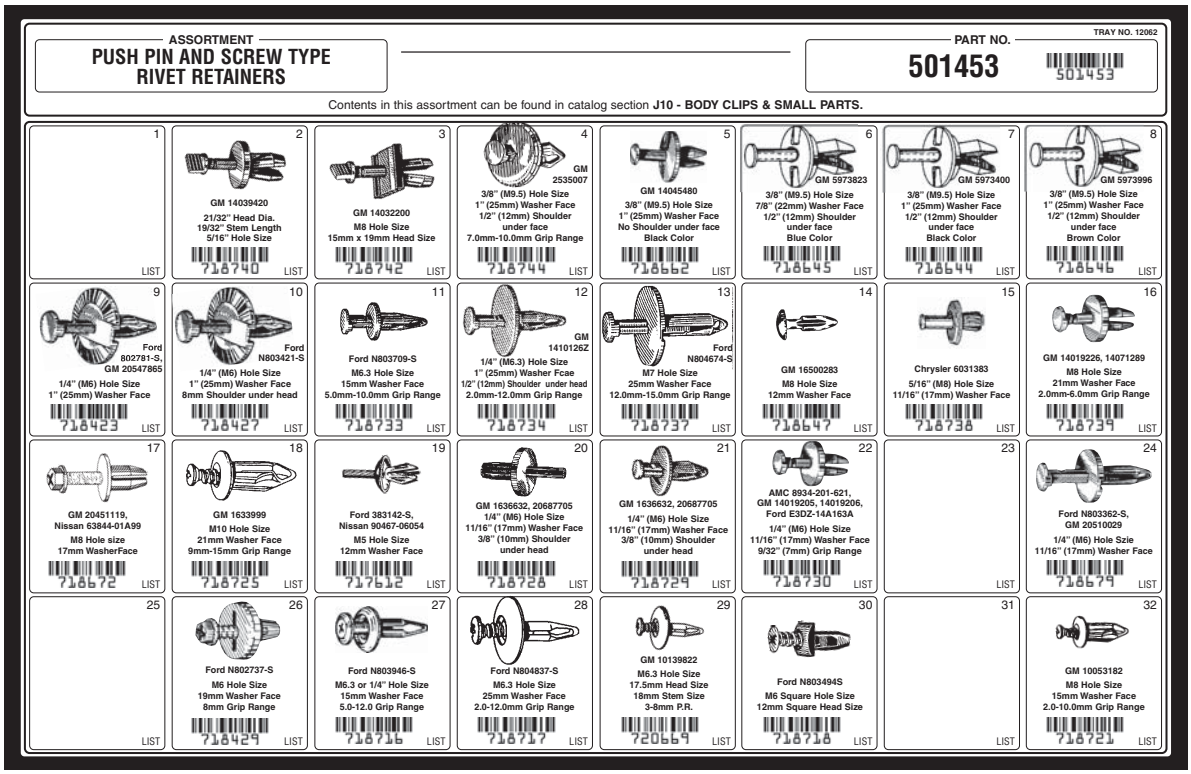


Part No. 501769 **21 Items** **Total Pcs. 282**

STEEL TRAY ASSORTMENT

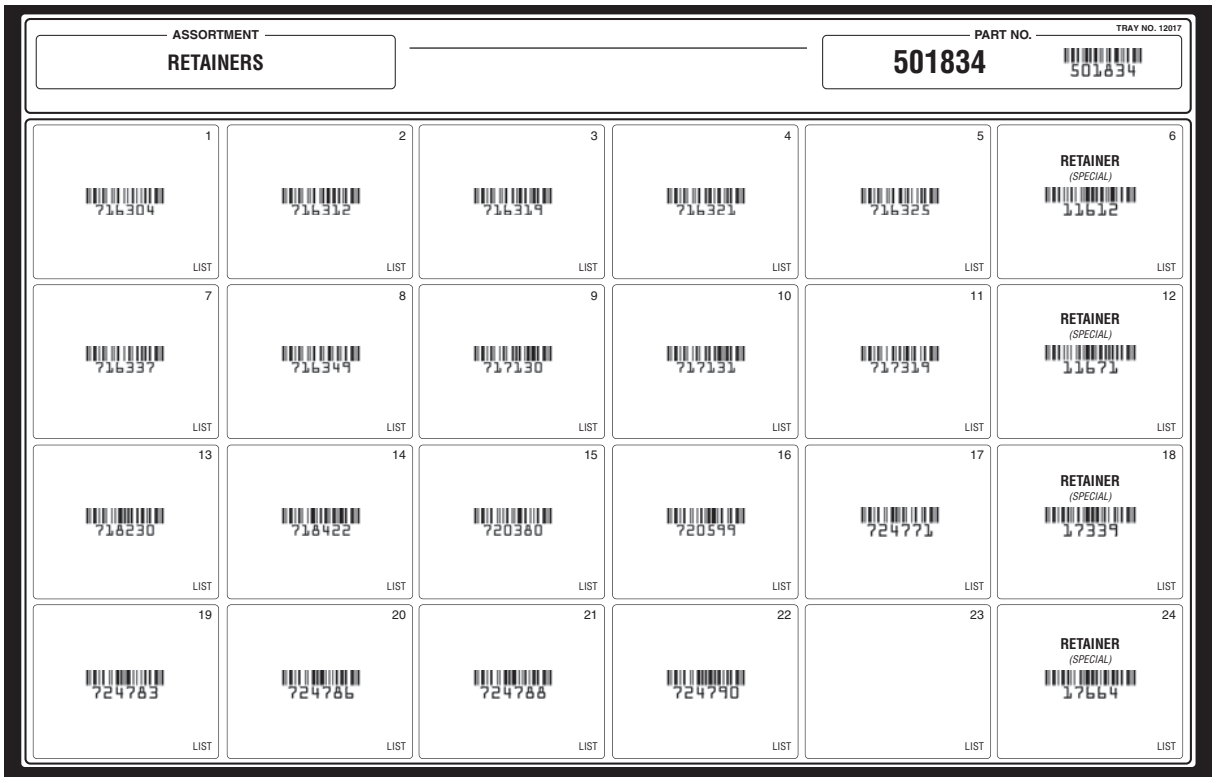


Part No. 501773 **24 Items** **Total Pcs. 352**

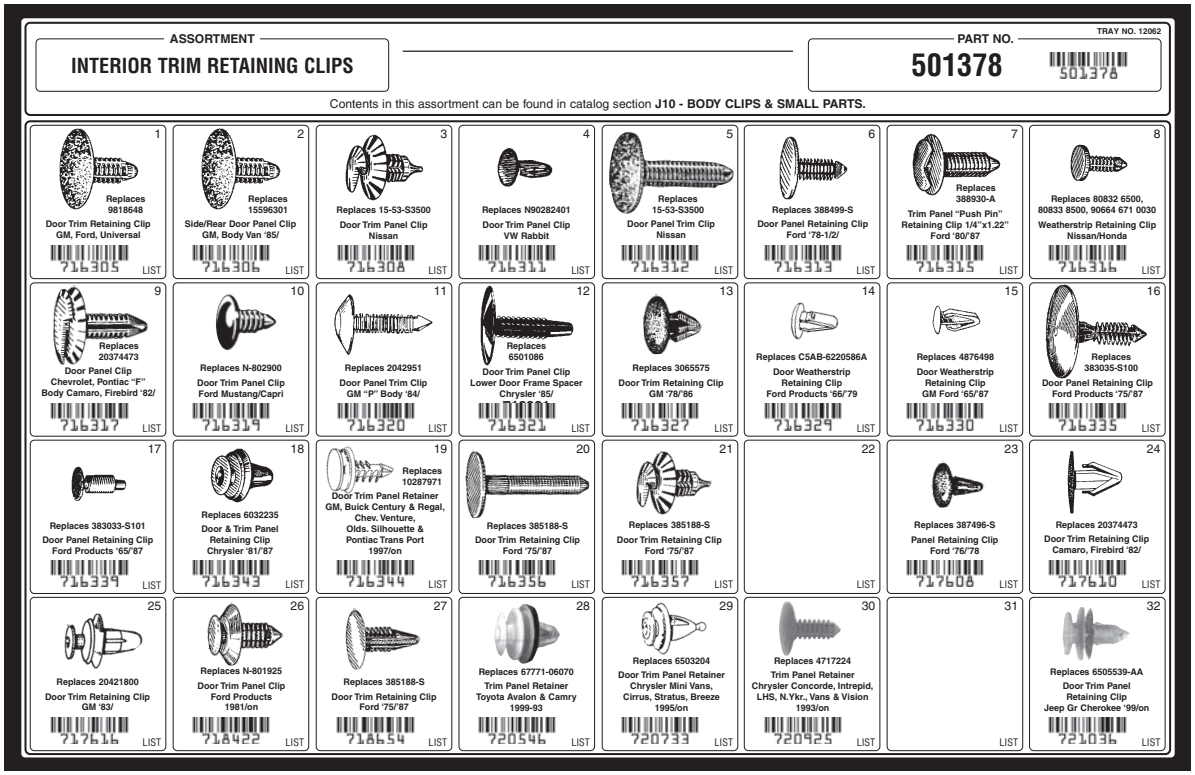


Part No. 501453 **28 Items** **Total Pcs. 115**

STEEL TRAY ASSORTMENT

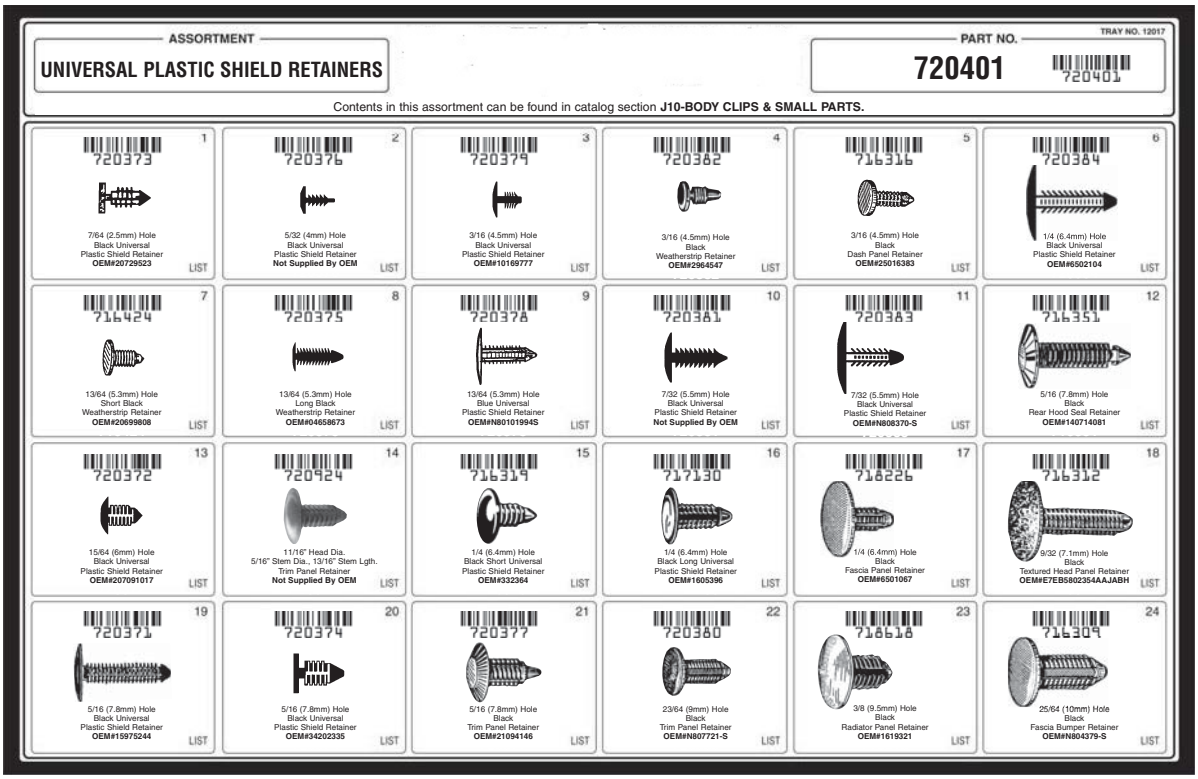


Part No. 501834 **19 Items** **Total Pcs. 228**

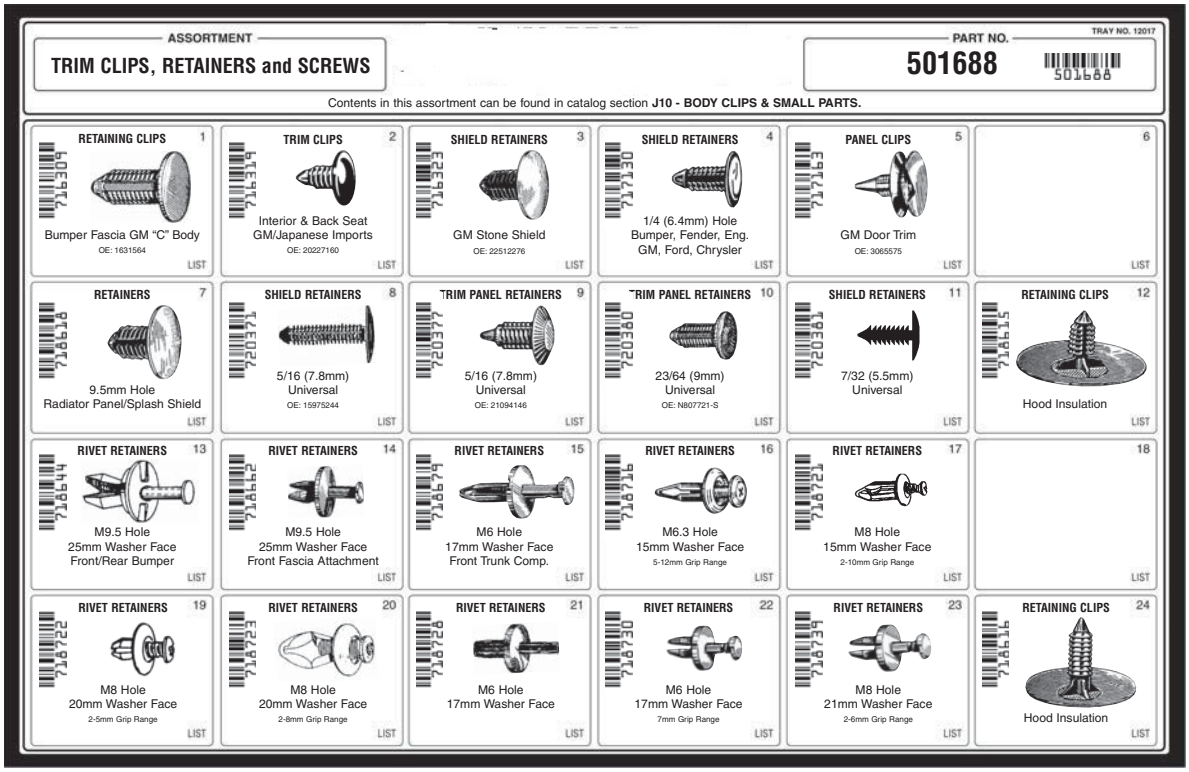


Part No. 501378 **30 Items** **Total Pcs. 171**

STEEL TRAY ASSORTMENT



Part No. 720401 **24 Items** **Total Pcs. 500**



Part No. 501688 **22 Items** **Total Pcs. 345**

STEEL TRAY ASSORTMENT

J10 ASST

ASSORTMENT
ERGO-TUFLOKS DRIVE-TYPE RIVETS

PART NO. **724300**

TRAY NO. 12061

Contents in this assortment can be found in catalog section **J10 - BODY CLIPS & SMALL PARTS.**

1 — **Ergo-Tuflok Drive-Type Rivet, Flares & Cowl**
Plastic
Hole: M6.25-6.53
Flange: 18mm
Stem Lgth.: 17.5mm
P.R.: 2-4mm
GM Equinox & Torrent 2007/on
Chrysler
OE: 11589289, 6508863AA
724205 LIST

2 — **Ergo-Tuflok Drive-Type Rivet, Cowl Vent & Bumper**
Plastic
Hole: M6.25-6.53
Flange: 18mm
Stem Lgth.: 20mm
P.R.: 4.5-7mm
GM "A", "W", "L" & "M" Body 2005/on
OE: 11589290
724138 LIST

3 — **Ergo-Tuflok Drive-Type Rivet, Air Dam & Grille**
Plastic
Hole: M6.25-6.53
Flange: 18mm
Stem Lgth.: 22mm
P.R.: 7-9.5mm
GM 2006/on
Ford
OE: 11589291, W713331-S300
724206 LIST

4 — **Ergo-Tuflok Drive-Type Rivet, Flares & Panels**
Plastic
Hole: M7.75-8.25
Flange: 19mm
Stem Lgth.: 16mm
P.R.: 5-7mm
GM & Chrysler
OE: 15296830, 5116530AA
724207 LIST

5 — **Ergo-Tuflok Drive-Type Rivet, Air Dam, Fender Flares/Apron**
Plastic
Hole: M8.25-8.53
Flange: 20mm
Stem Lgth.: 20mm
P.R.: 2-4.5mm
GM 2006/on
OE: 11589292
724208 LIST

6 — **Ergo-Tuflok Drive-Type Rivet, Fender Apron**
Plastic
Hole: M8.25-8.53
Flange: 19mm
Stem Lgth.: 14mm
P.R.: 2.7-5.3mm
GM Cobalt, G5 2005/on
Avalanche, Escalade 2007/on
OE: 11609417
724109 LIST

7 — **Ergo-Tuflok Drive-Type Rivet, Cowl Vent & Fender**
Plastic
Hole: M8.25-8.53
Flange: 20mm
Stem Lgth.: 21.5mm
P.R.: 4.5-7mm
GM "W" & Hummer "N" Body 2005/on
& Ford
OE: 11589293, W712196S300
724139 LIST

8 — **Ergo-Tuflok Drive-Type Rivet, Fenders & Bumpers**
Plastic
Hole: M8.25-8.53
Flange: 20mm
Stem Lgth.: 24mm
P.R.: 7-10mm
GM C/K Trucks, SUV's Hummer 2007/on
OE: 11589294
724209 LIST

9 — **Ergo-Tuflok Drive-Type Rivet, Fender, Wheel & Bumper,**
Plastic
Hole: M9.25-9.53
Flange: 18mm
Stem Lgth.: 20mm
P.R.: 3-5.7mm
GM "W" & "M" Body 2006/on,
Jeep Wrangler 2006/on
OE: 11561368, 6508712AA
724140 LIST

10 — **Ergo-Tuflok Drive-Type Rivet, Fuel Tank & Brakes**
Plastic
Hole: M10.25-10.53
Flange: 25mm
Stem Lgth.: 20mm
P.R.: 3-6mm
GM HHR, G5 & C/K Trucks 2005/on
Chrysler & Ford
OE: 11589295, 5GUU9K11BA, W712665-S300
724210 LIST

11 — **Ergo-Tuflok Drive-Type Rivet, Fender Apron**
Plastic
Hole: M10.25-10.53
Flange: 25mm
Stem Lgth.: 23mm
P.R.: 6-9mm
GM 2007/on
OE: 11589296
724211 LIST

12 — LIST

Part No. 724300 **11 Items** **Total Pcs. 134**

ASSORTMENT
NUT & GROMMETS ASSORTMENT II

PART NO. **501431**

TRAY NO. 12017

Contents in this assortment can be found in catalog section **J10 - BODY CLIPS & SMALL PARTS.**

1 — **Toyota & Datsun Grommet**
M5 Screw Size
17mm Head Dia.
9mm Square Hole
716788 LIST

2 — **Toyota, Isuzu & Lexus Grommet**
M4.2 Screw Size
16mm W, 12mm L
6mm x 10mm Hole
716791 LIST

3 — **Mazda**
M5 Screw Size
12mm W, 12mm L
8mm Square Hole
716792 LIST

4 — **Chevrolet, Mitsubishi, Toyota**
Headlamp Bezel & Grille Nut
5mm Screw Size
12mm x 12mm
8mm x 9mm Hole
716793 LIST

5 — **Nissan, Mazda, Honda**
M5 Screw Size
17mm W, 17mm L
8mm x 8.5mm Hole
716794 LIST

6 — **Honda**
M6 Screw Size
13mm W, 15mm L
8.5mm x 10.5mm Hole
716798 LIST

7 — **Nissan**
Headlight Adjusting Nut
M5 Screw
14mm W, 14mm L
716836 LIST

8 — **Mazda**
M4 Screw Size
13mm Head Dia.
7mm Square Hole
716839 LIST

9 — **Mazda**
M5 Screw Size
14mm W, 19mm L
8mm x 12mm Hole
716844 LIST

10 — **Toyota, Lexus, Nissan**
Fender Shield Clip
M6.3 Screw Size
8mm Hole
20mm Head Dia.
17mm Stem
716846 LIST

11 — **Honda, Nissan, Mitsubishi**
M4 Screw Size
13.5mm Head Size
16mm Stem
6mm Square Hole
716848 LIST

12 — **Mazda, Nissan**
M3 Screw Size
9.5mm W, 9.5mm L
16mm Stem
7mm Square Hole
716850 LIST

13 — **Honda**
M3 Screw Size
15mm W, 15mm L
12mm Stem
7mm Square Hole
716852 LIST

14 — **Honda, Toyota**
M3 Screw Size
14mm Head Dia.
10mm Stem
7mm Square Hole
716855 LIST

15 — **Honda, Nissan**
M5 Screw Size
12mm W, 19mm L
17mm Stem
8mm x 15mm Hole
716856 LIST

16 — **Honda, Mazda, Nissan, Mitsubishi, Toyota**
M4 Screw Size
16mm Head Dia.
17mm Stem
8mm Square Hole
716857 LIST

17 — **Honda w/sealer**
M3 Screw Size
11mm W, 14mm L
10mm Stem
7mm x 10mm Hole
716858 LIST

18 — **Nissan, Mitsubishi, Toyota Grommet**
5mm Screw Size
8.5mm Sq. Hole
18mm Head Dia.
17mm Stem
716864 LIST

19 — **Honda**
M4 Screw Size
9.5mm W, 9.5mm L
6mm Square Hole
716870 LIST

20 — **Honda, Mazda, Nissan, Mitsubishi**
M4 Screw Size
9.5mm W, 9.5mm L
7mm Square Hole
716871 LIST

21 — **Toyota**
Grommet, Cowl Screw
#10 or 4.8mm Screw Size
Fits into 10 x 15mm Hole
720938 LIST

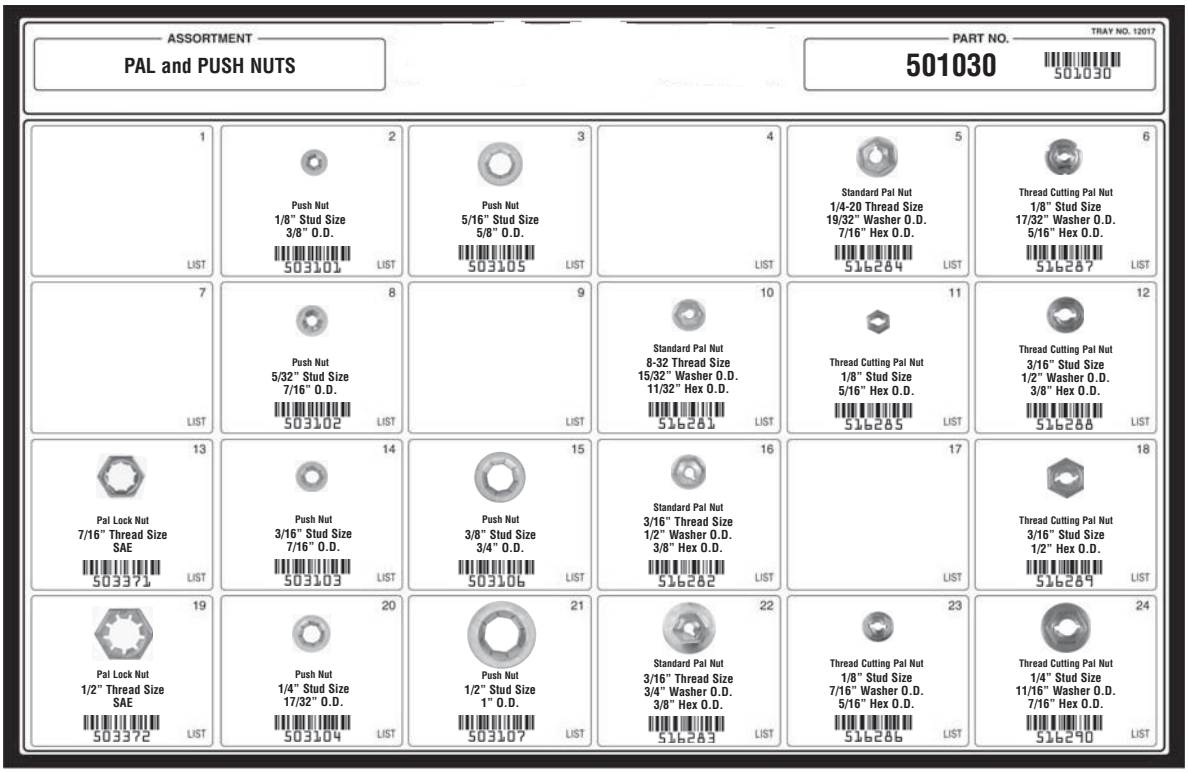
22 — **Honda Accord & Prelude**
Grommet, Bumper
#10 Screw Size
720962 LIST

23 — **Toyota**
Grommet, Fender Lining Screw
#12 Screw Size
Fits into 8 x 8mm Hole
20mm Head Dia.
22mm Stem
720966 LIST

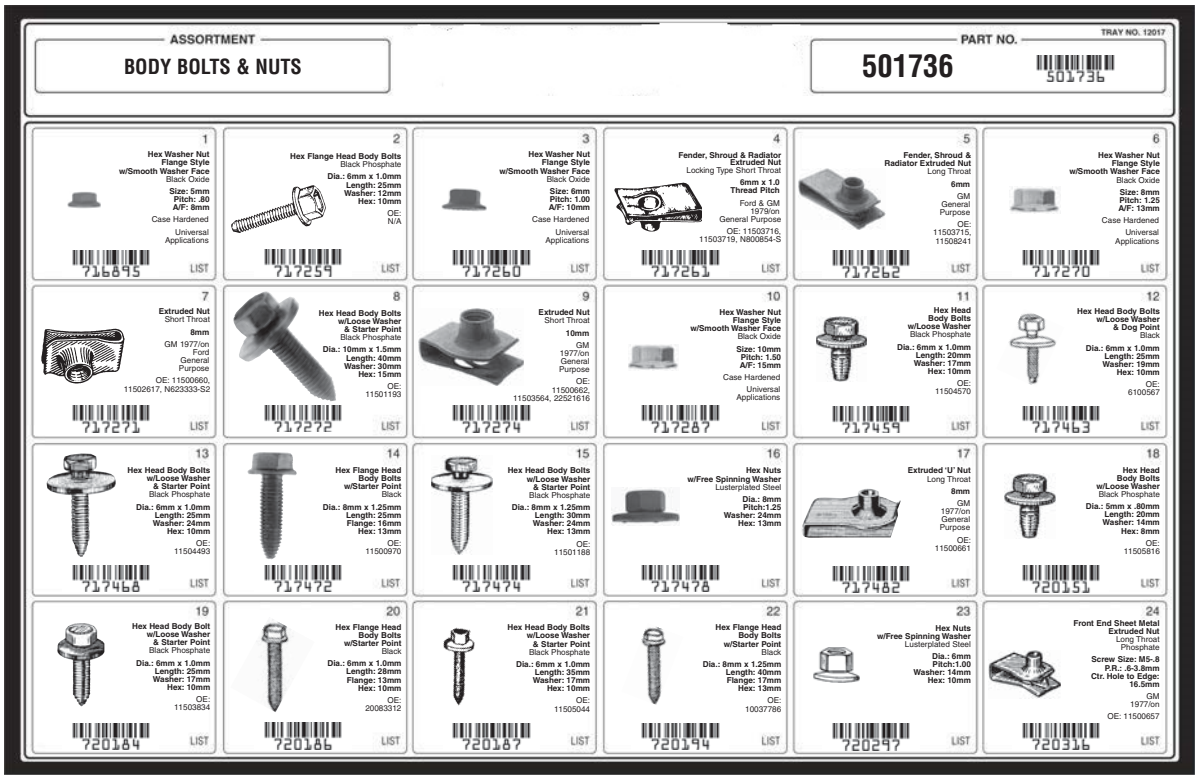
24 — **Mazda**
Grommet, Splash Shield Screw
#12 Screw Size
18 x 20mm Head Dia.
15mm Stem
720969 LIST

Part No. 501431 **24 Items** **Total Pcs. 140**

STEEL TRAY ASSORTMENT



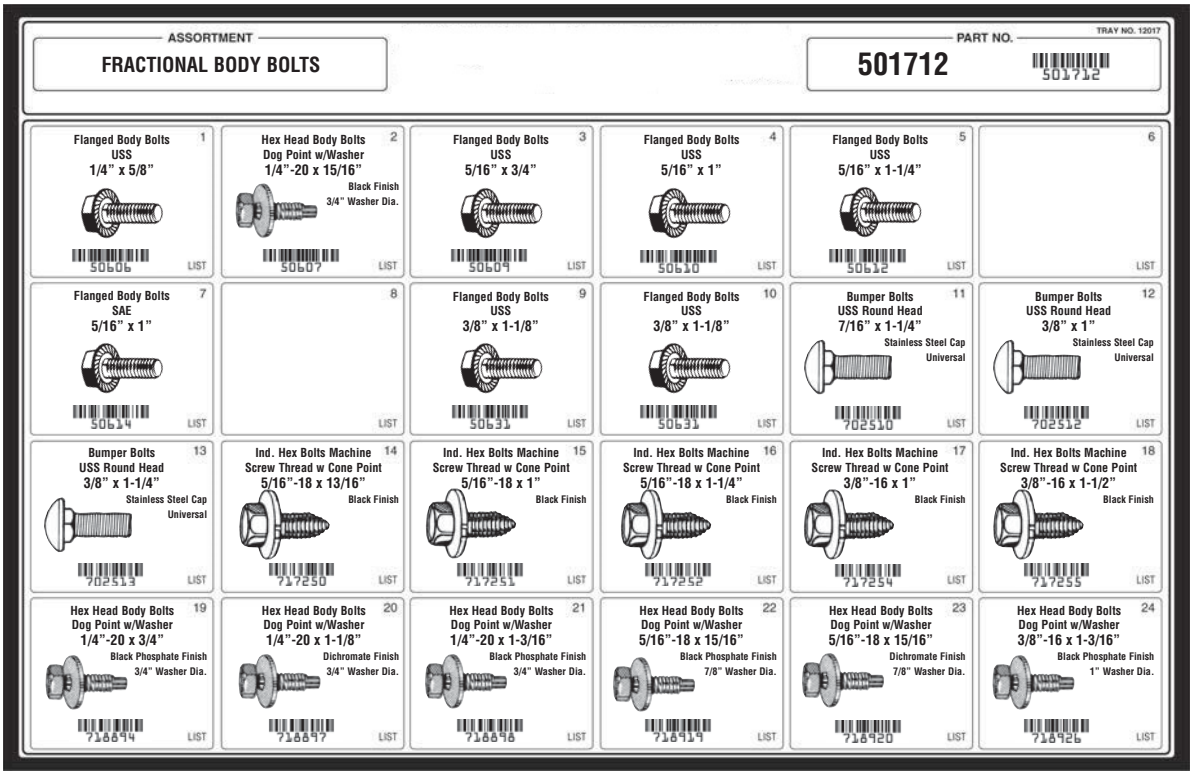
Part No. 501030 **19 Items** **Total Pcs. 715**



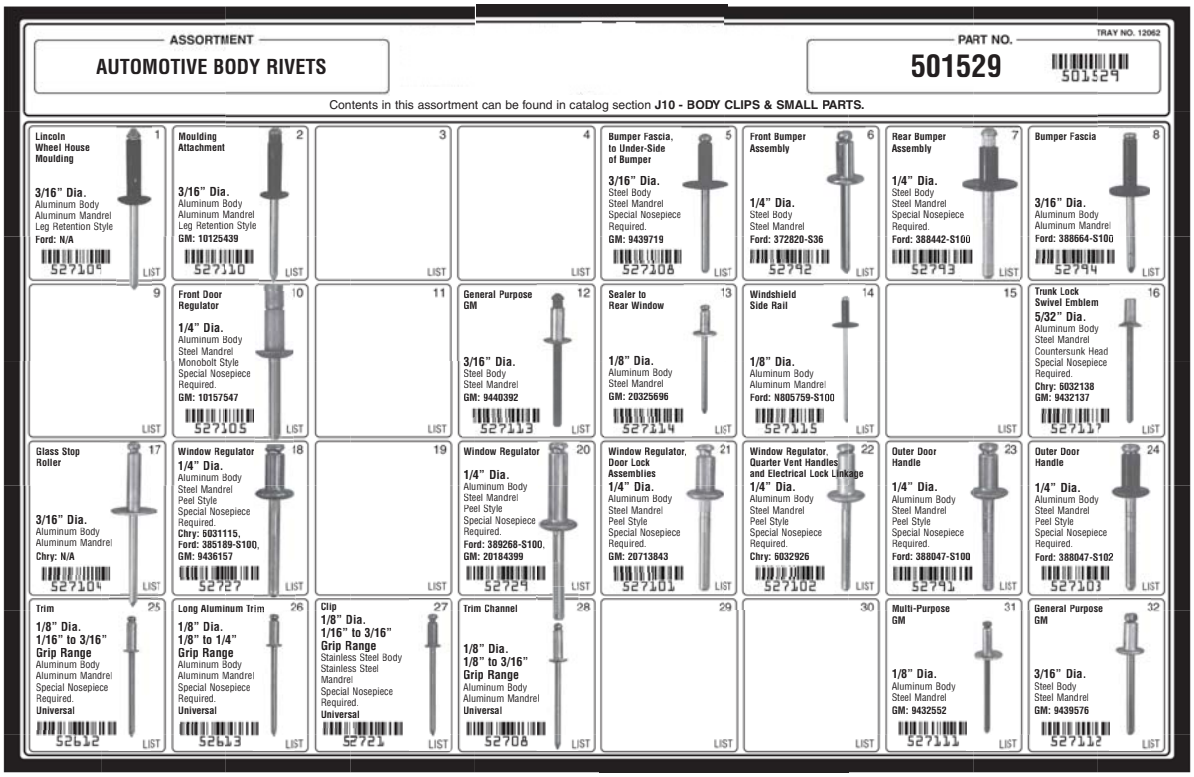
Part No. 501736 **24 Items** **Total Pcs. 239**

STEEL TRAY ASSORTMENT

J10 ASST

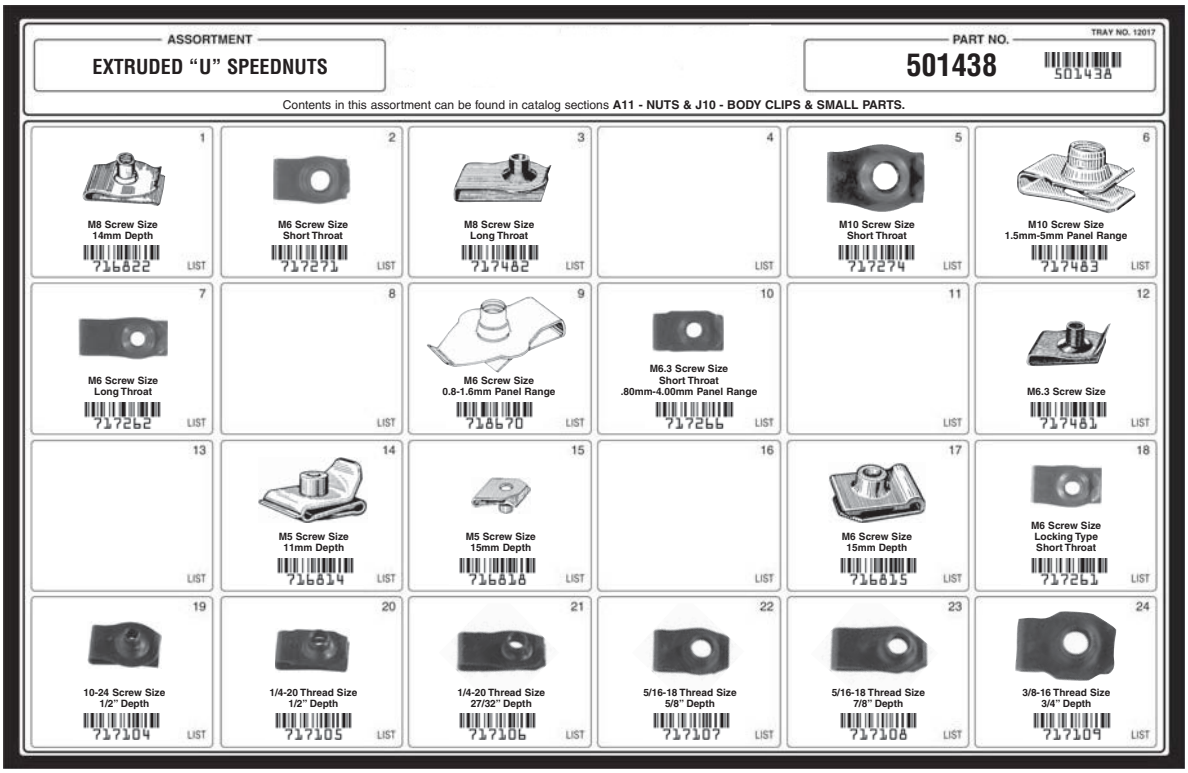


Part No. 501712 **21 Items** **Total Pcs. 125**

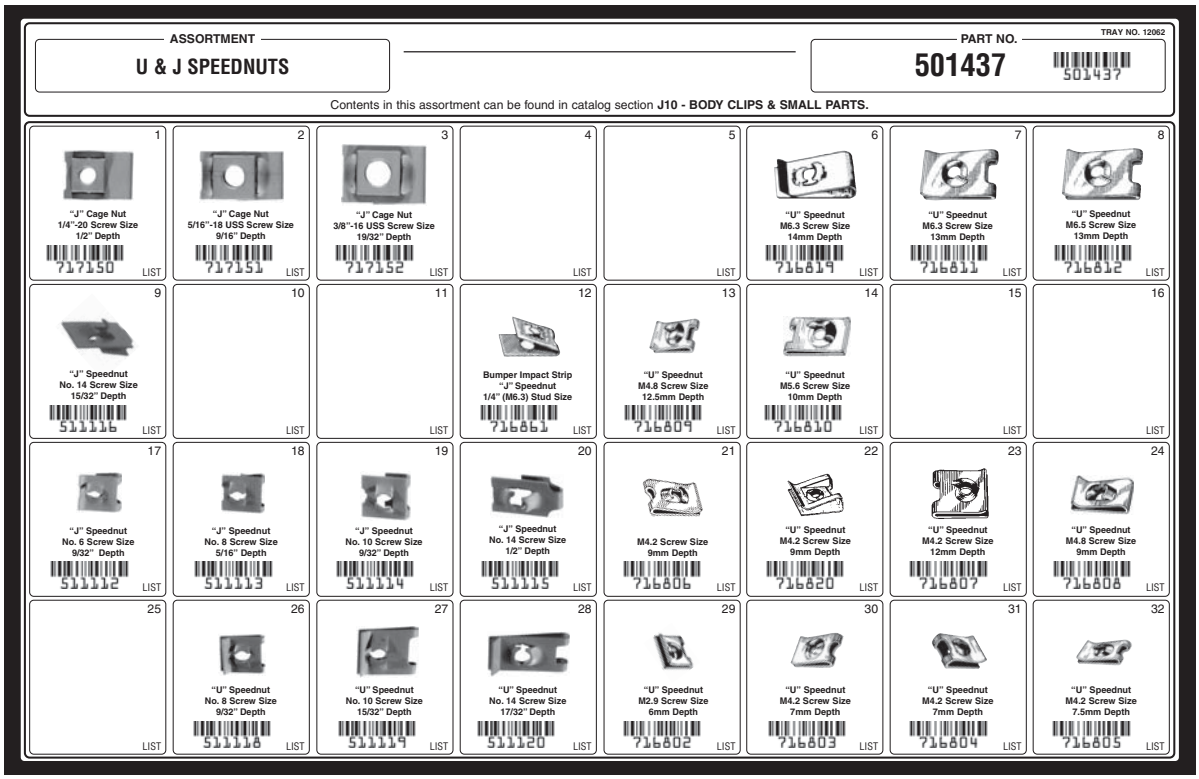


Part No. 501529 **24 Items** **Total Pcs. 275**

STEEL TRAY ASSORTMENT

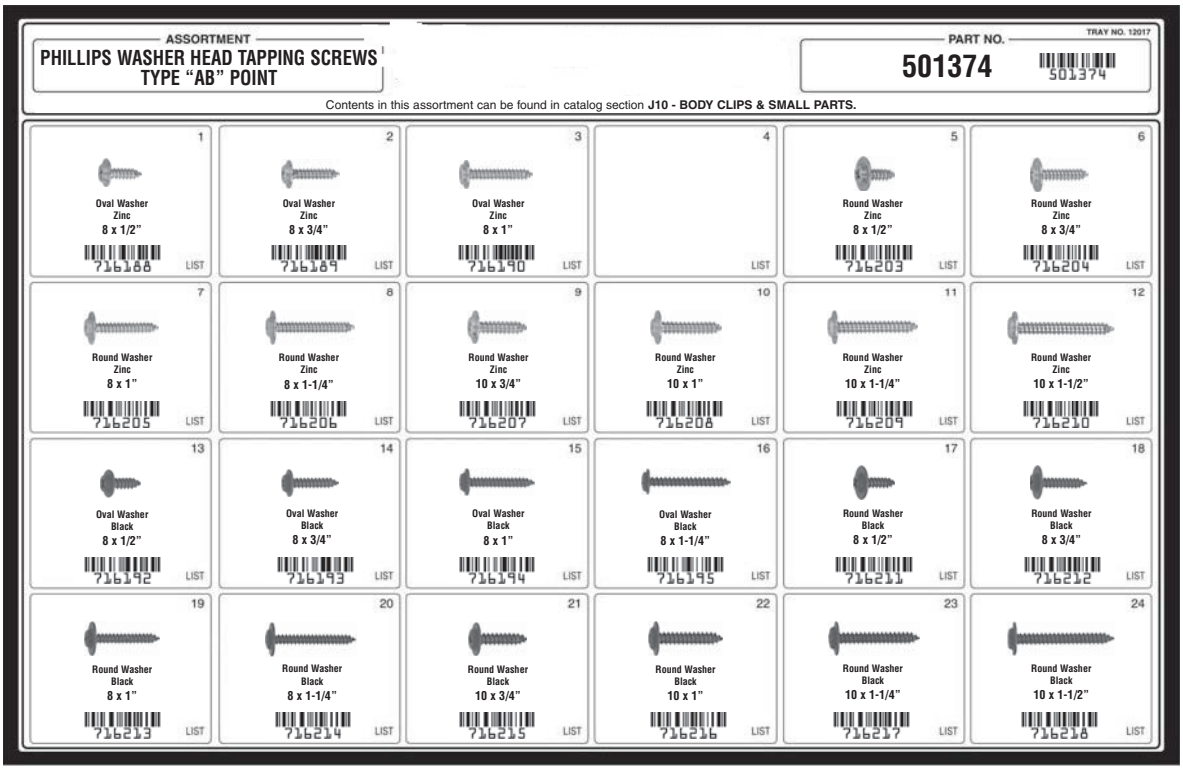


Part No. 501438 **19 Items** **Total Pcs. 170**

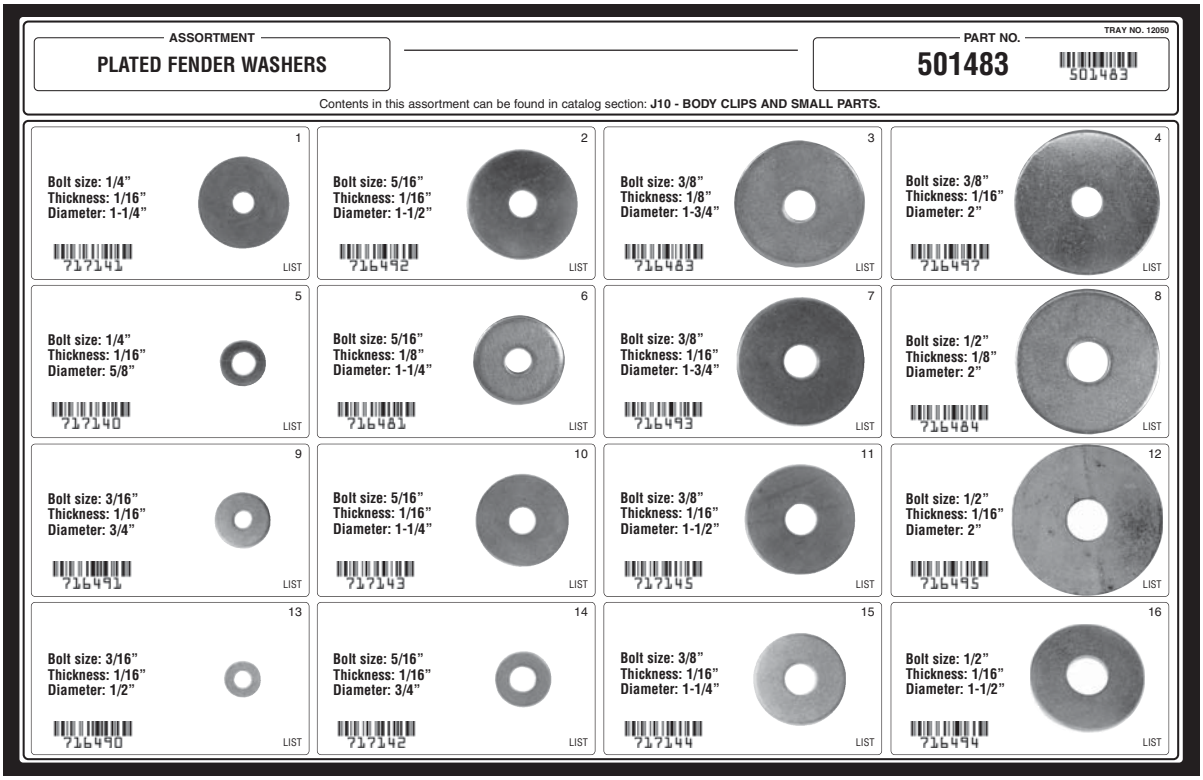


Part No. 501437 **25 Items** **Total Pcs. 324**

STEEL TRAY ASSORTMENT

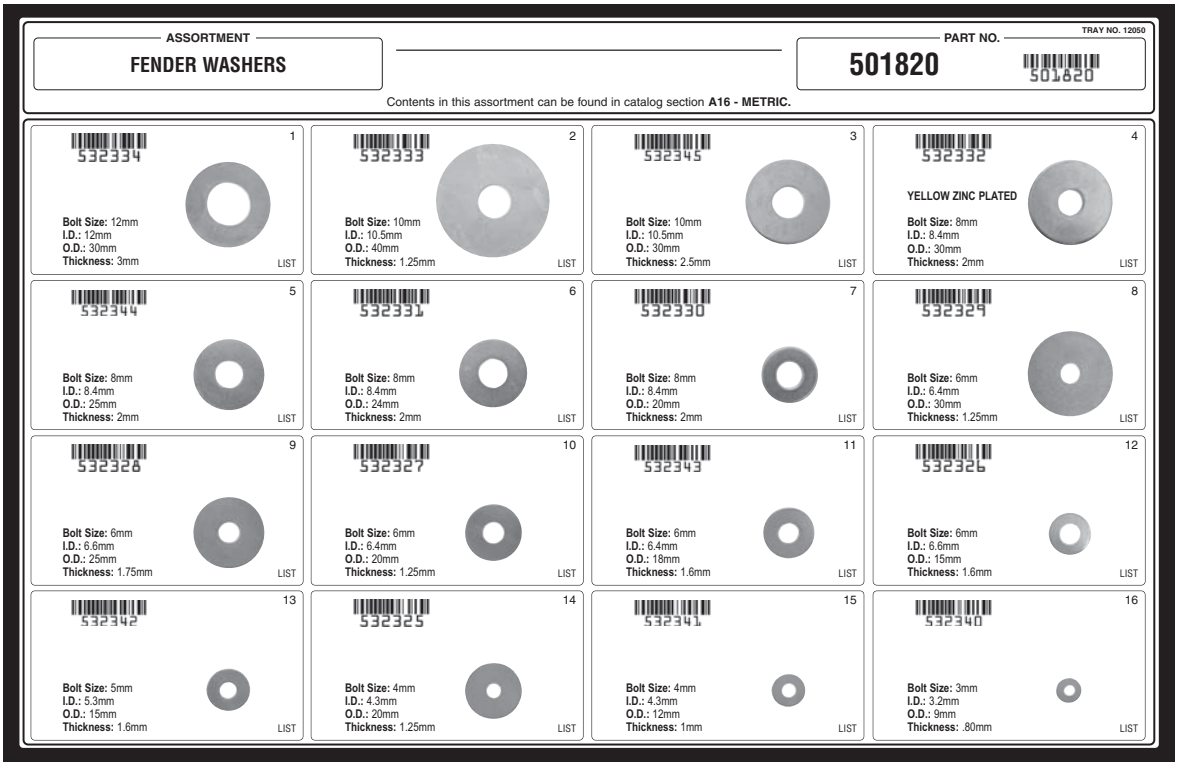


Part No. 501374 **23 Items** **Total Pcs. 490**



Part No. 501483 **16 Items** **Total Pcs. 325**

STEEL TRAY ASSORTMENT



Part No. 501820 **16 Items** **Total Pcs. 295**



Part No. 501810 **21 Items** **Total Pcs. 136**

STEEL TRAY ASSORTMENT

FORD BODY SHOP FASTENERS **501811**



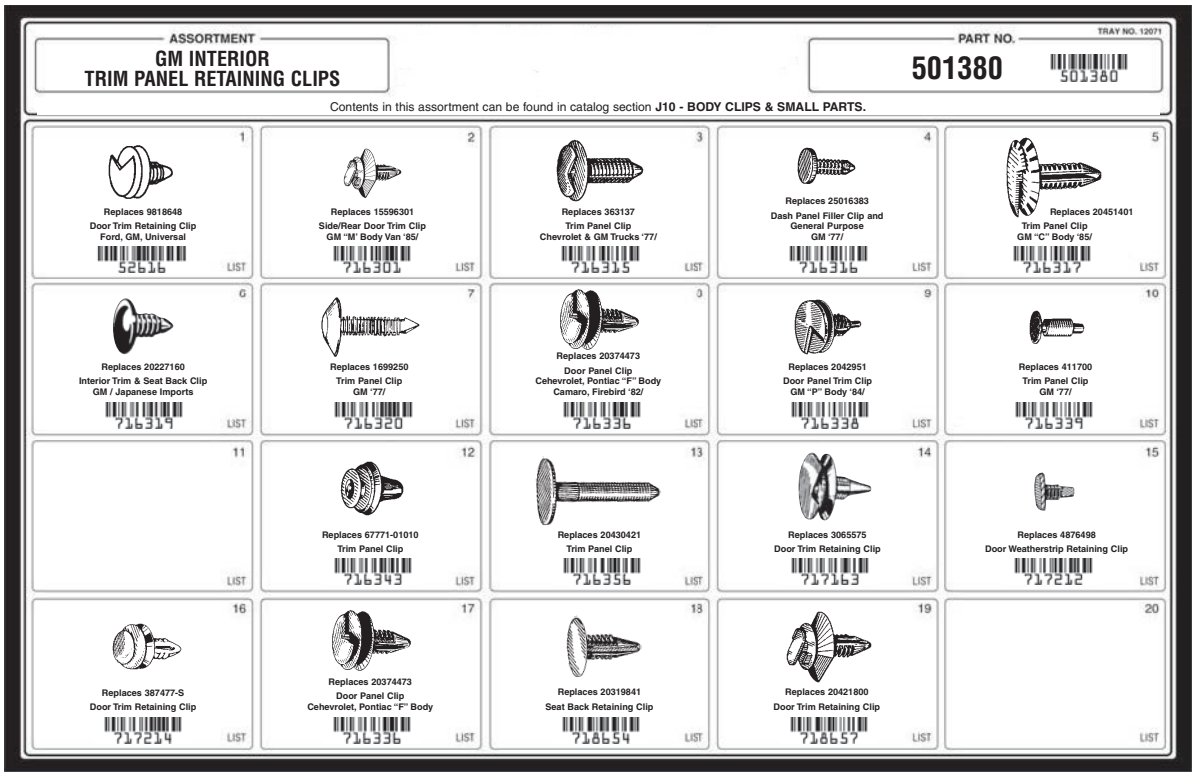
Part No. 501811 **24 Items** **Total Pcs. 148**

FORD, CHRYSLER & GM COMBO ASSORTMENT **501815**

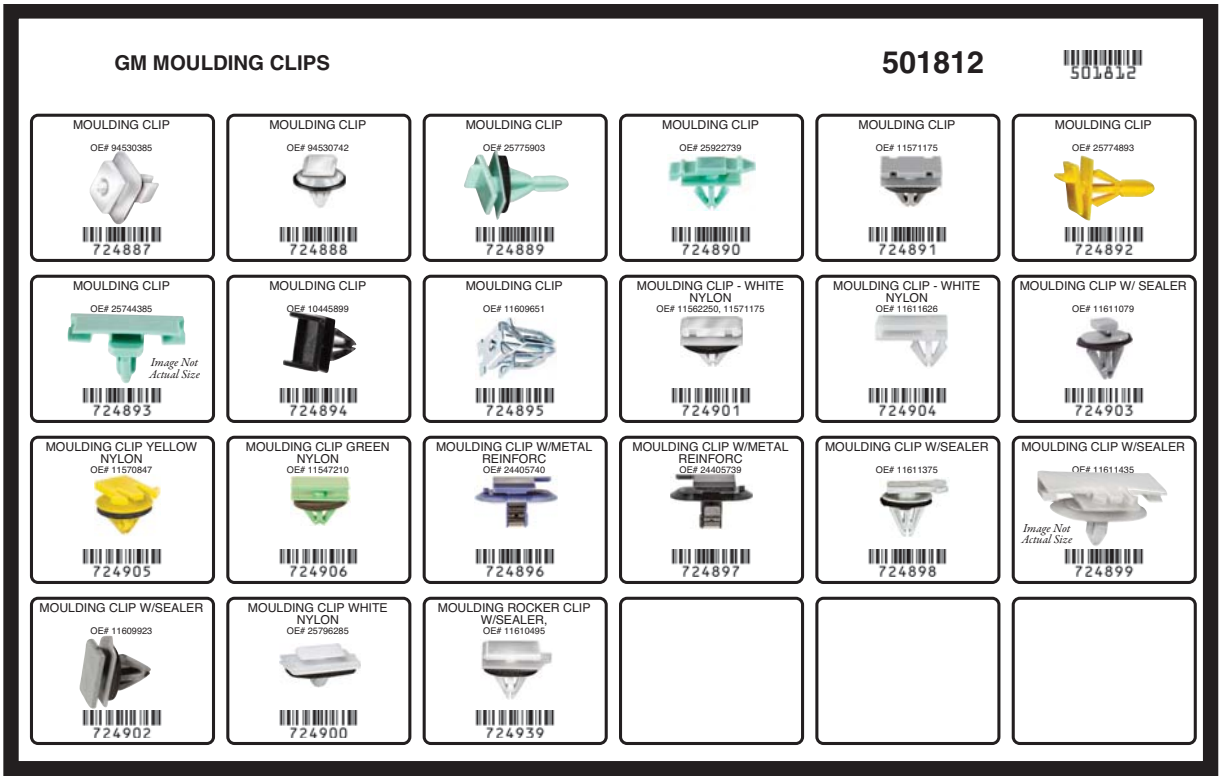


Part No. 501815 **24 Items** **Total Pcs. 132**

STEEL TRAY ASSORTMENT



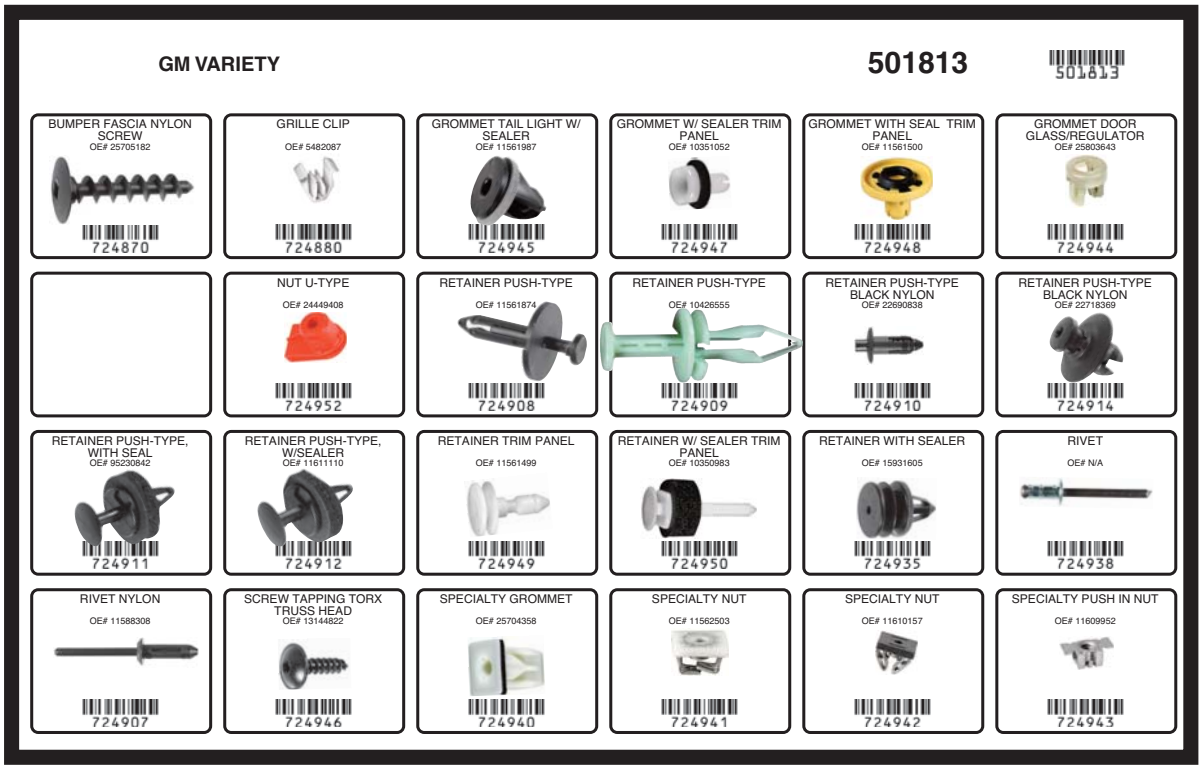
Part No. 501380 **17 Items** **Total Pcs. 176**



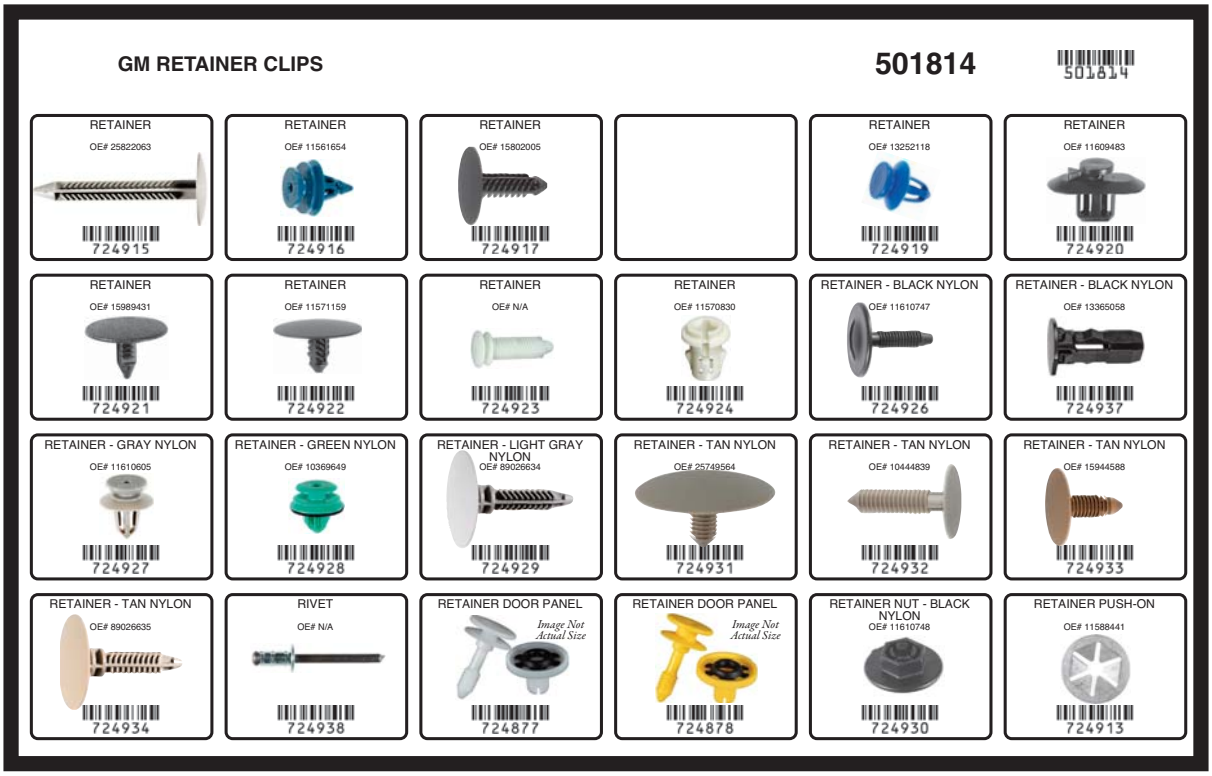
Part No. 501812 **21 Items** **Total Pcs. 116**

STEEL TRAY ASSORTMENT

J10 ASST



Part No. 501813 **23 Items** **Total Pcs. 132**



Part No. 501814 **23 Items** **Total Pcs. 132**

STEEL TRAY ASSORTMENT

HONDA / ACURA CLIPS & RETAINERS

501801

CABLE CLIP OE# 91558-SE3-003 724700	MOULDING CLIP OE# 90602-SFA-004 724701	MOULDING CLIP - BLACK NYLON OE# 91530-S0A-003 724706	MOULDING CLIP - WHITE NYLON OE# 75316-S9A-004 724705	MOULDING CLIP W/SEALER BLK NYL OE# 91512-SJ6-J01 724702	MOULDING CLIP W/SEALER WHT NYL OE# 91512-S50-003 724703
MOULDING CLIP W/SEALER WHT NYL OE# 76222-SP1-003 724704	RETAINER OE# 90602-TA0-003 724708	RETAINER, PUSH TYPE BLK NYL OE# 91505-TM8-003 724707	SCREW GROMMET OE# 90107-S0X-A01 724709	WEATHERSTRIP CLIP GREEN NYL OE# 72311-SSS-003 724710	WEATHERSTRIP CLIP - WHITE NYL OE# 91563-SCV-003 724711
WEATHERSTRIP CLIP - YELLOW NYL OE# 91568-TR0-003, 90651-TP8-003 724712	RETAINER OE# 91567-S3M-000 724986	RETAINER OE# 91560-SZW-003 724987	RETAINER OE# 91560-SZW-J01 724988	RETAINER - BLACK NYLON OE# 90671-S0D-003ZK 724989	RETAINER - BLACK NYLON OE# 91501-SWA-003 724990
RETAINER PUSH-TYPE OE# 91503-S7A-003 724982	RETAINER PUSH-TYPE OE# 91503-SHJ-A01 724983	RETAINER PUSH-TYPE OE# 91501-TR0-003 724984	RETAINER PUSH-TYPE GRAY NYLON OE# 91550-S50-000ZK 724985	RETAINER TRIM PANEL W/SEALER OE# 91560-S0X-A01 724992	RETAINER WITH SEALER OE# 91560-S7A-003 724991

Part No. 501801 **24 Items** **Total Pcs. 168**

LEXUS BODY SHOP FASTENERS

501802

CLIP BUMPER COVER OE# 53879-50020 725121	CLIP GRILLE OE# 90467-10190 725126	MOULDING CLIP OE# 75392-35220 725127	MOULDING CLIP OE# 75393-60030 725128	WINDSHIELD CLIP BLUE NYLON OE# 75545-53011, 75545-53010 725144	MOULDING CLIP - WHITE NYLON OE# 90467-12074 725132
MOULDING CLIP - WHITE NYLON OE# 90467-12071 725133	MOULDING CLIP W/SEALER RED NYL OE# 90467-12072 725130	MOULDING CLIP W/SEALER - WHITE OE# 52197-30040 725131	"MOULDING CLIP, FENDER PANEL" OE# 90467-07137 725125	PIN BUMPER COVER OE# 47749-50090 725122	RETAINER DOOR PANEL W/SEALER OE# 67773-0E020 725124
RETAINER PUSH-TYPE OE# 53259-0E010 725135	RETAINER PUSH-TYPE OE# 90467-05136 725136	RETAINER TRIM W/SEALER, GREEN OE# 67771-32120 725142	RETAINER, BUMPER BLACK NYLON OE# 90467-05125 725123	RETAINER, PUSH-TYPE, BLACK NYL OE# 51454-48010, 51454-0E010 725137	RETAINER, PUSH-TYPE, BLACK NYL OE# 51453-48010, 514530E010 725138
SCREW GROMMET OE# 52535-30150 725139	SCREW GROMMET - YELLOW NYLON OE# 90189-04207 725140	SPECIALTY RIVET OE# 90269-03064 725141	U TYPE NUT NYLON OE# 53879-17020 725134	U-TYPE NUT - BLACK NYLON OE# 90467-05138 Photo not actual size 725120	WEATHERSTRIP CLIP, BLACK NYLON OE# 67867-50020 725143

Part No. 501802 **24 Items** **Total Pcs. 160**

STEEL TRAY ASSORTMENT

J10 ASST

TOYOTA #1 **501803**

MOULDING CLIP OE# 75819-33010 725443	MOULDING CLIP OE# 67771-58010 725445	MOULDING CLIP OE# 75395-0T010 725446	MOULDING CLIP OE# 90467-11099 725447	MOULDING CLIP OE# 52535-0E030 725448	MOULDING CLIP - PINK NYLON OE# 90467-12080 725451
MOULDING CLIP - WHITE NYLON OE# 90467-09204 725453	MOULDING CLIP - WHITE NYLON OE# 90467-12073 725454	MOULDING CLIP - YELLOW NYLON OE# 90467-12075 725457	MOULDING CLIP BLACK NYLON OE# 61991-35010 Photo not actual size 725449	MOULDING CLIP BLACK NYLON OE# 61992-35010 Photo not actual size 725450	MOULDING CLIP W/SEALER, YELLOW OE# 81496-21010 725452
MOULDING CLIP WITH SEALER OE# 76817-12060 725455	MOULDING CLIP W/SEALER WHITE OE# 75867-AC020 725456	MOULDING RETAINER OE# 76853-10010 725458	NUT NYLON OE# 90075-10004, 81150-1A750, 81137-22530 725459	NUT NYLON OE# 90189-06211 725460	RETAINER OE# 75867-AA010, 75867-33030 725473
RETAINER OE# 90080-46010 725474	RETAINER OE# 90467-05164-E2 725475	RETAINER OE# 90467-09212 725476	RETAINER OE# 67868-30030 725477		RETAINER - BLACK NYLON OE# 90467-10186 725479

Part No. 501803 **23 Items** **Total Pcs. 168**

TOYOTA #2 **501804**

RETAINER OE# 90467-05164-B6 725480	RETAINER PUSH TYPE OE# 90467-09185 725470	RETAINER PUSH TYPE OE# 90467-10206 725471	RETAINER PUSH TYPE OE# 90467-07071-22 725472	WEATHERSTRIP RETAINER OE# 90467-06128 725493	FRONT FENDER PINS 47749-58010 724201
RETAINER PUSH-TYPE OE# 90080-46294 725466	RETAINER PUSH-TYPE OE# 90467-09227 725467	RETAINER PUSH-TYPE OE# 75867-06030 725468	RETAINING CLIP OE# 90467-08101 725481	SCREW GROMMET OE# 90189-06177 725482	SCREW GROMMET OE# 90189-A0002 725483
SCREW GROMMET OE# 90189-06145 725484	SCREW GROMMET W/SEALER OE# 90189-04102 725485	FRONT FENDER CLIPS 53879-58010 724202	SPECIALTY RIVET OE# 90269-A0005 725487	SPECIALTY RIVET OE# 90269-06054 725488	SPRING LOCKING CLIP OE# 76879-44010 725489
U TYPE NUT NYLON OE# 90467-A0018, 90467-05081 725461	U TYPE NUT NYLON OE# 90467-05128 725462	U TYPE NUT NYLON OE# 53879-20020 725463	U TYPE NUT NYLON OE# 76647-42010 725464	WEATHERSTRIP CLIP OE# 67869-12050 725490	WEATHERSTRIP CLIP OE# 90467-04034 725491

Part No. 501804 **24 Items** **Total Pcs. 148**

STEEL TRAY ASSORTMENT



Part No. 501805 **20 Items** **Total Pcs. 148**



Part No. 501806 **20 Items** **Total Pcs. 152**

STEEL TRAY ASSORTMENT

J10 ASST

HYUNDAI/KIA BODY CLIPS #1

501807

U NUT NYLON OE# 86825-28000 725023	MOULDING CLIP W/SEALER - BLUE OE# 87756-1F000 725012	MOULDING CLIP W/SEALER WHITE OE# 86360-3L000 725013	MOULDING CLIP W/SEALER WHITE OE# 87756-37000 725014	MOULDING CLIP W/SEALER WHITE OE# 87758-39000 725015
MOULDING CLIP W/SEALER WHITE OE# 87770-27000 725016	MOULDING CLIP W/SEALER OE# 87703-H1000 725011	MOULDING CLIP WITH SEALER OE# 87702-H1000 725018	MOULDING CLIP WITH SEALER OE# 87758-3L000 725019	MOULDING CLIP W/SEALER WHITE OE# 87758-35010 725017
MOULDING GROMMET OE# 87759-27000 725020	MOULDING RETAINER GREEN OE# 87756-34520 725022	MOULDING RETAINER W/SEALER OE# 87756-26900 725021	NUT NYLON OE# 87714-FD200 725024	RETAINER OE# 86438-4A100 725027
RETAINER OE# 85849-3B000 725028	RETAINER OE# 86434-4A000 725029	RETAINER - BLACK NYLON OE# 85495-2E050 725033	RETAINER - WHITE NLYON OE# 82315-22000 725031	RETAINER - WHITE NYLON OE# 82315-2P000 725034

Part No. 501807 **20 Items** **Total Pcs. 160**

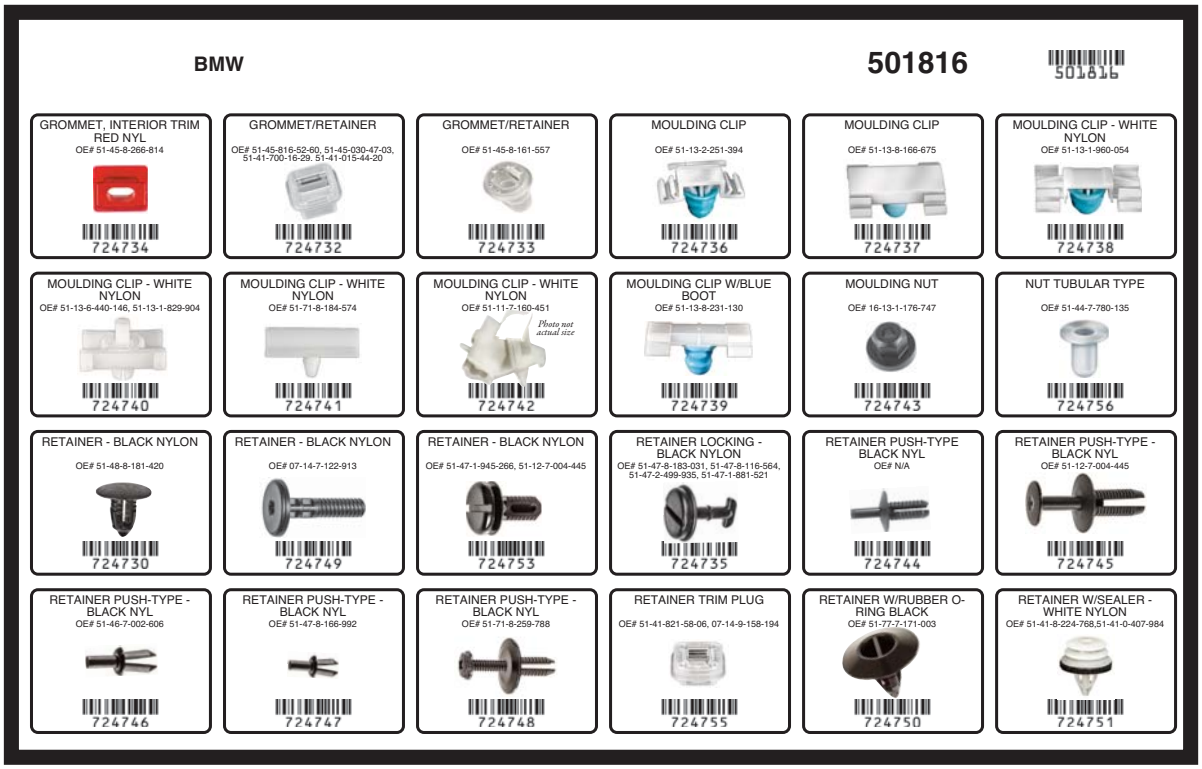
HYUNDAI / KIA BODY CLIPS #2

501808

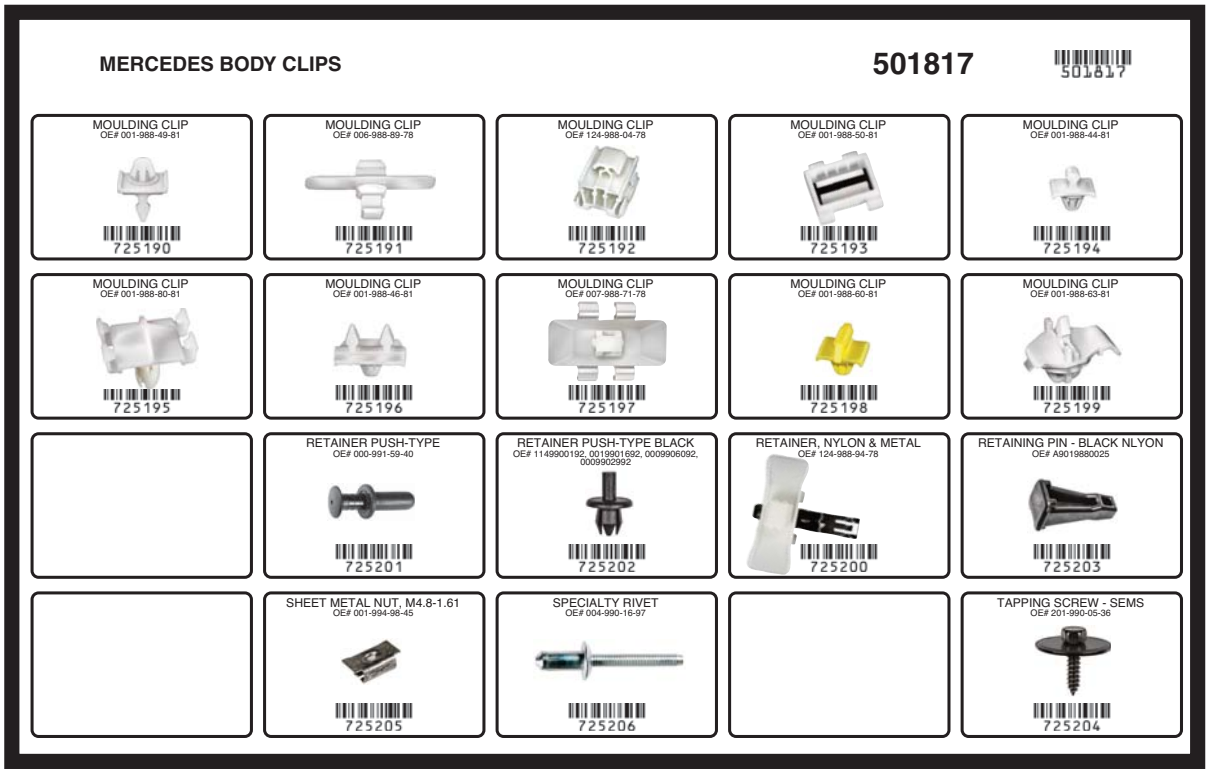
RETAINER - WHITE NYLON OE# 82315-33020 725035	RETAINER - WHITE NYLON OE# 84747-2L000 725036	RETAINER - WHITE NYLON OE# 85506-4A000 725037	RETAINER PUSH-TYPE OE# 86155-2H100 725025	RETAINER PUSH-TYPE OE# 86157-37000 725026
RETAINER TRIM PANEL OE# 82315-27000 725040	RETAINER W/SEALER - BLUE OE# 87378-3N000 725030	RETAINER W/SEALER WHITE OE# 82315-36000 725032	SCREW GROMMET NATURAL OE# 86910-21010 725038	SCREW GROMMET W/SEALER OE# 86625-3S000 725039
MOULDING CLIP OE# 87756-2G000 725080	MOULDING CLIP OE# 86359-33500 725081	MOULDING CLIP W/SEALER OE# 87759-3E000, 87758-3E000, 87719-02500 725082	MOULDING CLIP WITH SEALER OE# 87756-3E500 725083	NUT NYLON OE# 86699-2D000 725085
NUT NYLON FLANGE OE# 8K95A-68615 725084	RETAINER OE# 85746-06000LX 725086	RETAINER OE# 85746-06000RU 725087	RETAINER OE# 86591-25000 725088	

Part No. 501808 **19 Items** **Total Pcs. 148**

STEEL TRAY ASSORTMENT



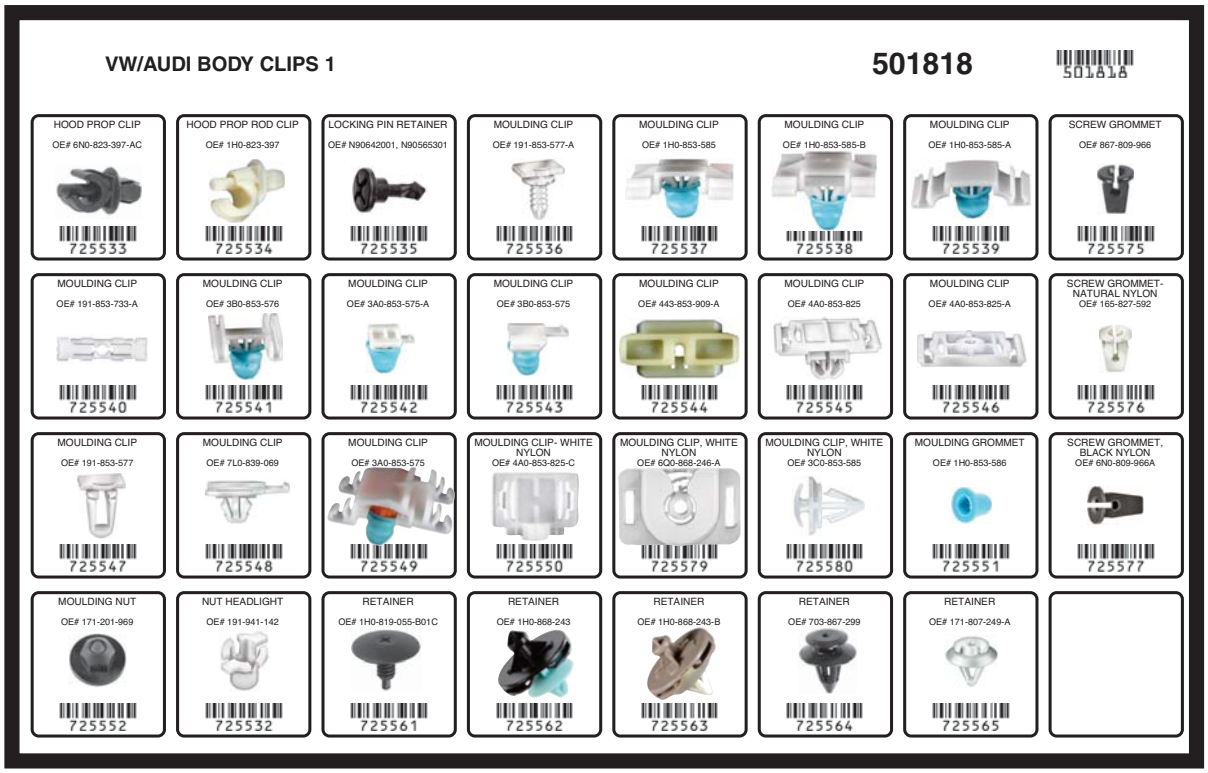
Part No. 501816 **24 Items** **Total Pcs. 148**



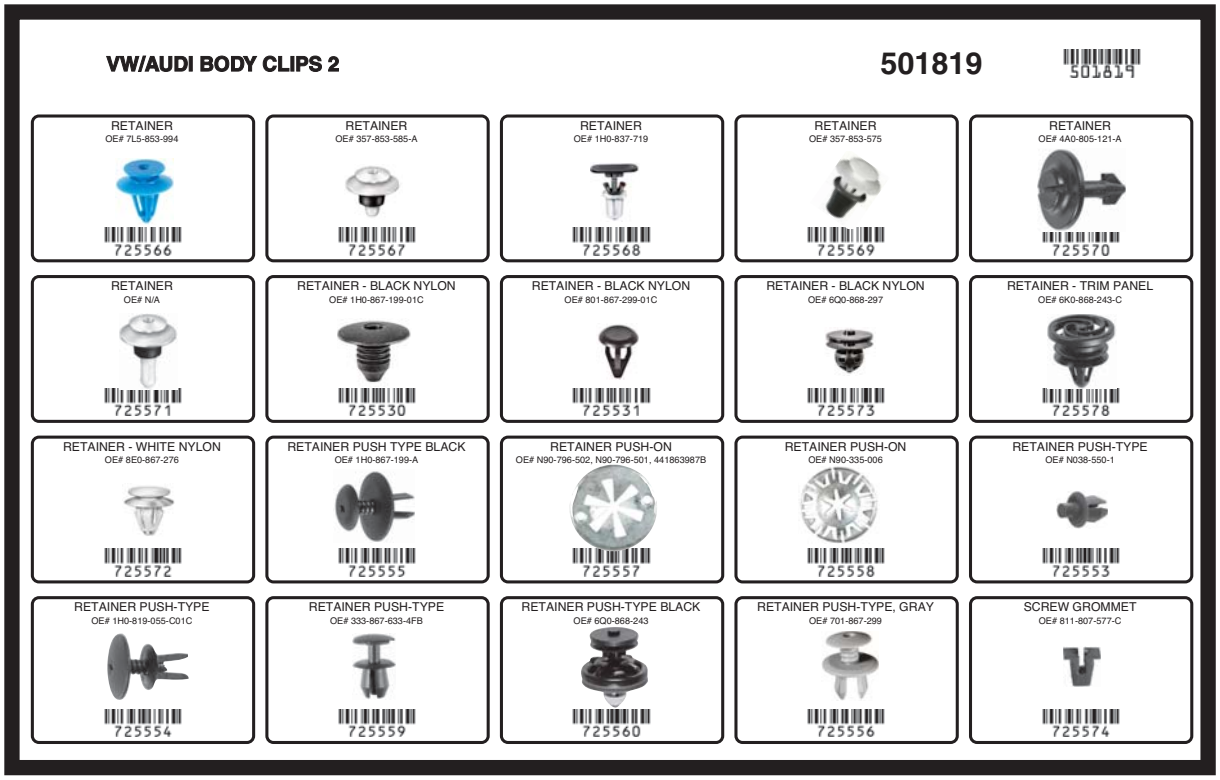
Part No. 501817 **17 Items** **Total Pcs. 116**

STEEL TRAY ASSORTMENT

J10 ASST

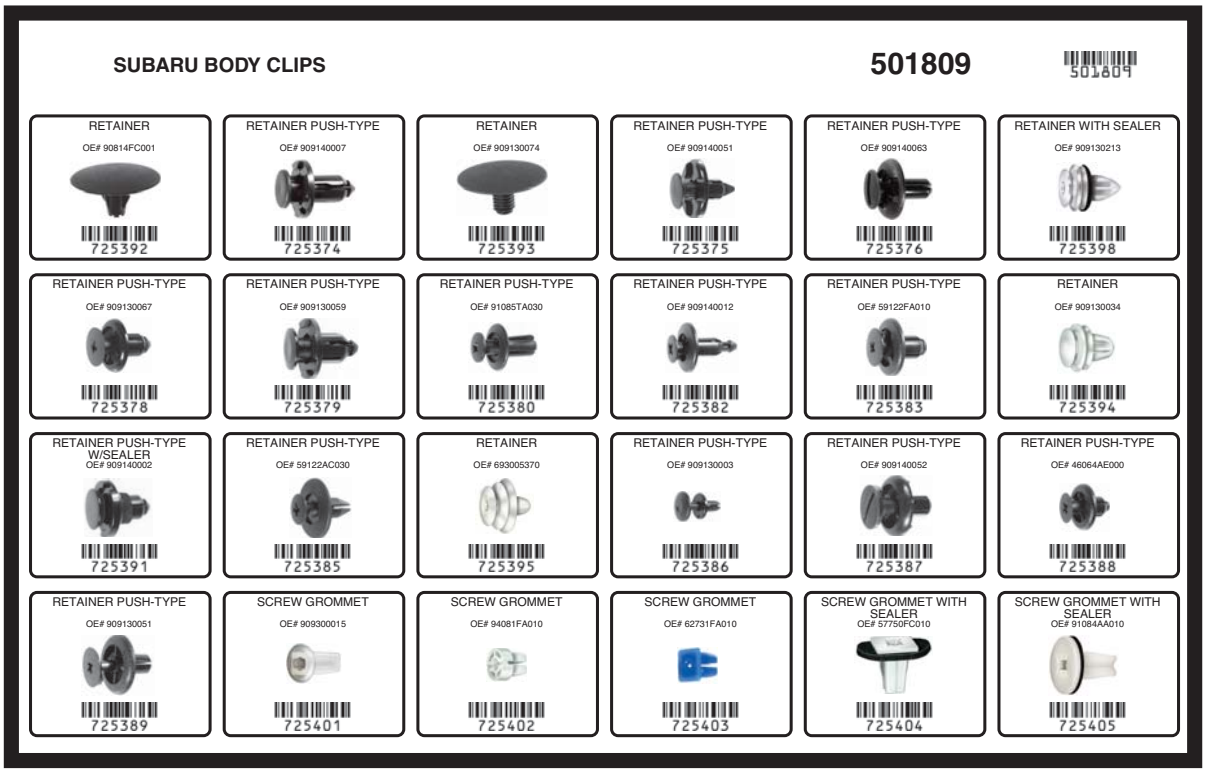


Part No. 501818 **31 Items** **Total Pcs. 208**

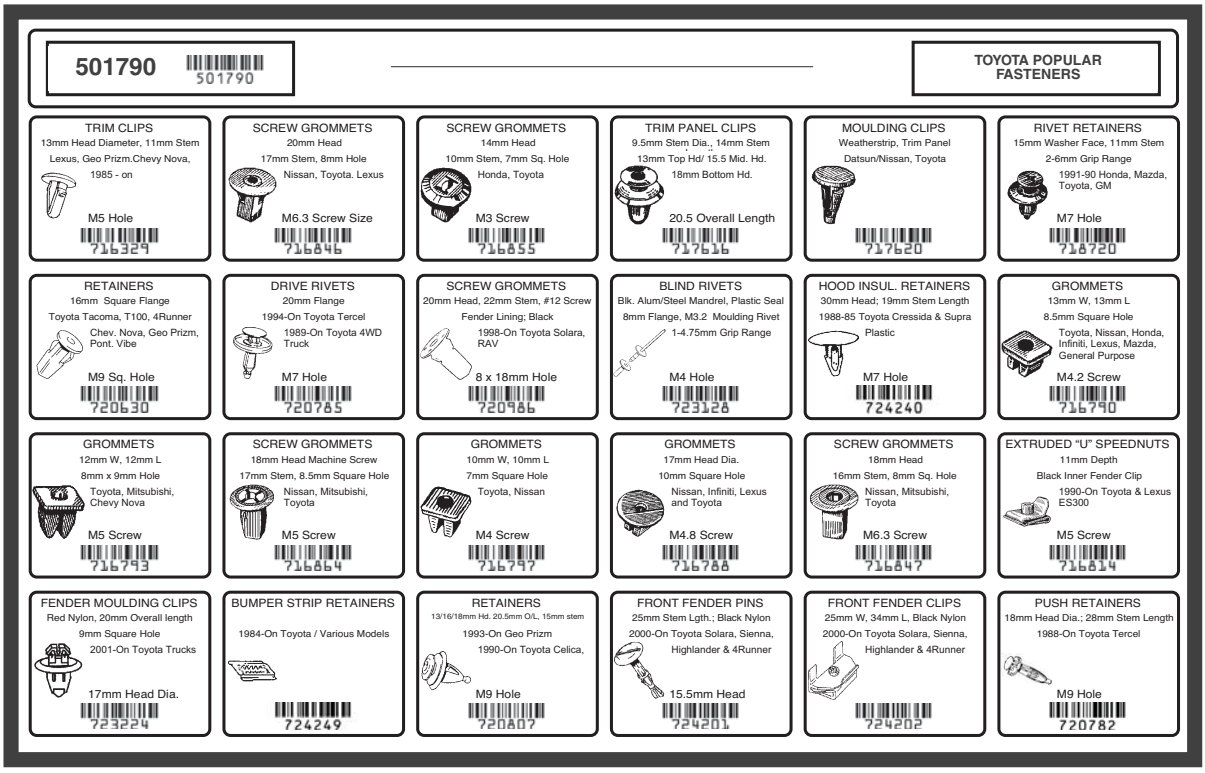


Part No. 501819 **20 items** **Total Pcs. 152**

STEEL TRAY ASSORTMENT



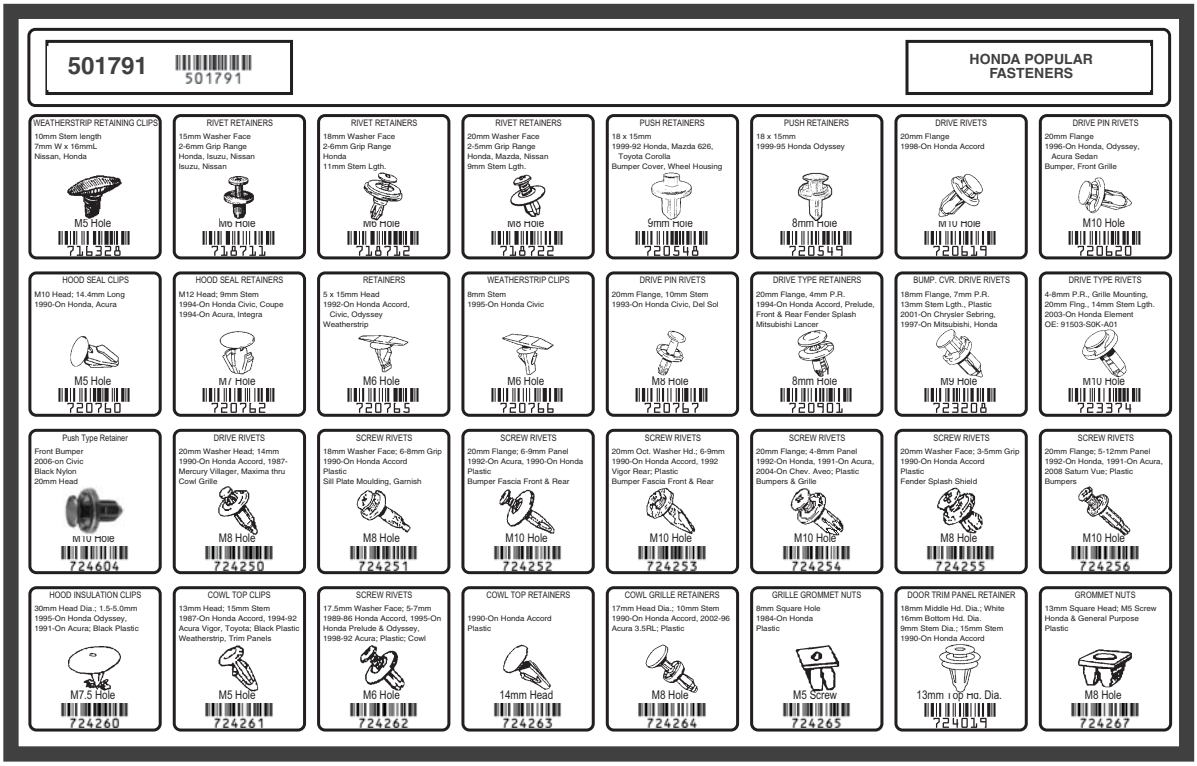
Part No. 501809 **24 Items** **Total Pcs. 148**



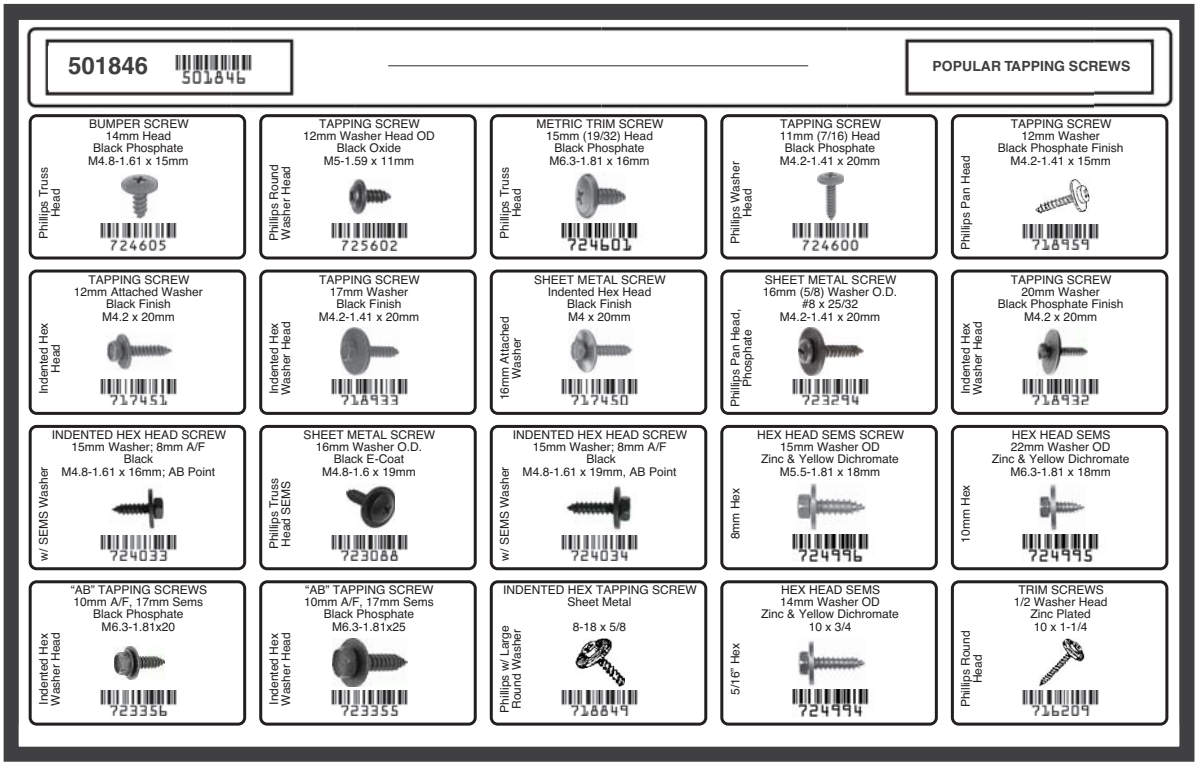
Part No. 501790 **24 Items** **Total Pcs. 134**

STEEL TRAY ASSORTMENT

J10 ASST



Part No. 501791 **32 Items** **Total Pcs. 100**



Part No. 501846 **20 Items** **Total Pcs. 500**

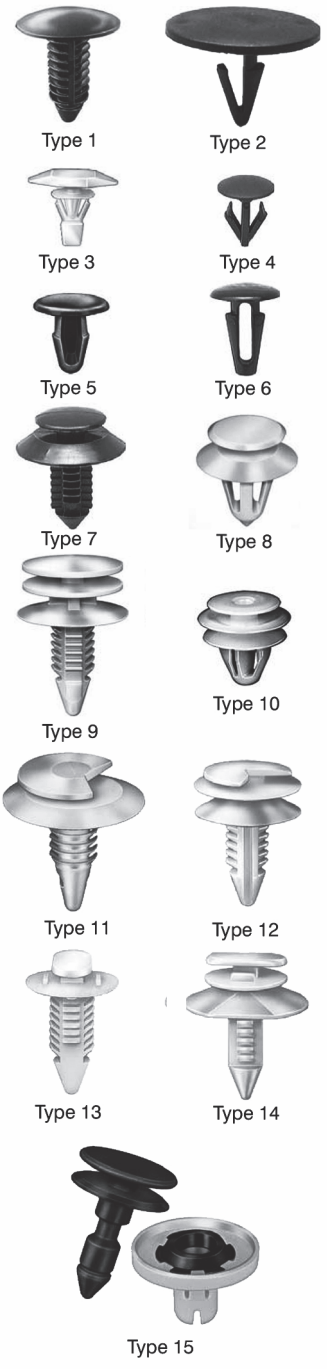
RETAINER SPECIFICATION CHART

Recommended Hole Size: .030”-.060” smaller than stem diameter

PART NUMBER	TYPE	COLOR	BOTTOM HEAD DIAMETER	TOP HEAD DIAMETER	STEM DIAMETER	STEM LENGTH	PAGE NUMBER
52616	12	White	3/4”	11/16”	5/16”	1/2”	J10-73
716301	14	Yellow	3/4” x 7/8”	9/32” x 19/32”	5/16”	3/4”	J10-74
716303	1	Black	3/8”		9/32”	1/2”	J10-73
716304	1	Black	7/16”		7/32”	1/2”	J10-86
716305	1	Gray	25mm		8mm	20mm	J10-86
716305	1	Gray	25mm		8mm	20mm	J10-86
716306	1	Black	25mm		8mm	20mm	J10-86
716306	1	Black	25mm		8mm	20mm	J10-86
716308	11	White	19mm	15mm	9mm	18mm	J10-86
716309	1	Black	22mm		11mm	28mm	J10-87
716309	1	Black	22mm		11mm	28mm	J10-87
716312	1	Black	26mm		8mm	38mm	J10-87
716313	1	Black	3/4”		7/32”	11/16”	J10-87
716313	1	Black	3/4”		7/32”	11/16”	J10-87
716314	2	Black	1-5/16”		3/8”	3/4”	J10-87
716315	11	White	3/4”	5/8”	5/16”	1”	J10-87
716316	1	Black	7/16”		3/16”	5/8”	J10-87
716317	11	White	15/16”	29/32”	5/16”	1-1/8”	J10-79
716319	1	Black	11/16”		5/16”	5/8”	J10-87
716319	1	Black	11/16”		5/16”	5/8”	J10-87
716319	1	Black	11/16”		5/16”	5/8”	J10-87
716319	1	Black	11/16”		5/16”	5/8”	J10-87
716321	1	Black	1”		9/32”	1-1/16”	J10-87
716322	1	Black	19/32”		7/32”	3/4”	J10-87
716323	1	Black	7/8”		7/16”	13/16”	J10-87
716323	1	Black	7/8”		7/16”	13/16”	J10-87
716325	2	Black	1-3/4”		3/8”	3/4”	J10-87
716326	Misc.	Black	38mm		7mm	9mm	J10-87
716326	Misc.	Black	38mm		7mm	9mm	J10-87
716328	3	White	7mm x 16mm		6mm	10mm	J10-103
716329	6	Black	13mm		7.5mm	11mm	J10-79
716329	6	Black	13mm		7.5mm	11mm	J10-79
716329	6	Black	13mm		7.5mm	11mm	J10-79
716330	4	Black	14mm		10mm	16mm	J10-79
716331	1	Black	20mm		5.5mm	9mm	J10-87
716331	1	Black	20mm		5.5mm	9mm	J10-87
716333	1	Black	3/4”		9/32”	1/2”	J10-87
716333	1	Black	3/4”		9/32”	1/2”	J10-87
716333	1	Black	3/4”		9/32”	1/2”	J10-87
716335	1	Black	1-1/4”		5/16”	1-3/16”	J10-87
716336	12	White	3/4”	21/32”	5/16”	3/4”	J10-87
716337	7	White	3/4”	1/2”	5/16”	5/8”	J10-88
716337	7	White	3/4”	1/2”	5/16”	5/8”	J10-88
716338	12	White	23/32”	5/16”		5/8”	J10-88
716339	1	Black	1/2”		9/32”	3/4”	J10-88
716342	11	White	15/16”	29/32”	5/16”	11/16”	J10-88
716343	10	Black	18mm	13mm	9.5mm	14mm	J10-102
716343	10	Black	18mm	13mm	9.5mm	14mm	J10-102
716344	9	White	20mm	18mm	8mm	13mm	J10-88
716349	1	Black	1”		5/16”	13/16”	J10-88
716349	1	Black	1”		5/16”	13/16”	J10-88
716350	1	Black	1”		5/16”	13/16”	J10-88
716350	1	Black	1”		5/16”	13/16”	J10-88
716351	1	Black	3/4”		5/16”	1-3/8”	J10-88
716352	1	Natural	19/32”		5/16”	2”	J10-88
716357	11	White	19mm	15mm	9mm	18mm	J10-88
716357	11	White	19mm	15mm	9mm	18mm	J10-88

*** NOTE: Items listed with a page number of “nic” do not appear in the catalog.**

These are general illustrations. There may be some differences between the actual part and the illustration. For clarification, refer to the true illustration referenced in the page number column in the chart.



MISC - Illustration not shown here

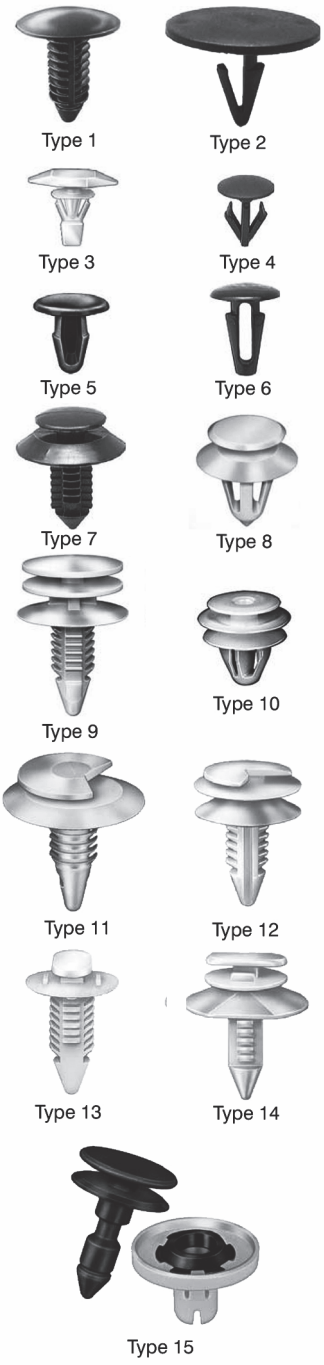
RETAINER SPECIFICATION CHART

Recommended Hole Size: .030"-.060" smaller than stem diameter

PART NUMBER	TYPE	COLOR	BOTTOM HEAD DIAMETER	TOP HEAD DIAMETER	STEM DIAMETER	STEM LENGTH	PAGE NUMBER
716424	1	Black	10mm		6mm	12mm	J10-103
716424	1	Black	10mm		6mm	12mm	J10-103
716672	1	Black	12mm		5mm	12mm	J10-88
716679	10	Blue/Natural	18mm	13mm	9.5mm	14mm	J10-79
716680	10	Natual/Yellow	16mm	12.5mm	8.5mm	11mm	J10-79
716681	11	White	17mm	15mm	10mm	14mm	J10-88
717130	1	Black	11/16"		5/16"	13/16"	J10-88
717130	1	Black	11/16"		5/16"	13/16"	J10-88
717130	1	Black	11/16"		5/16"	13/16"	J10-88
717131	2	Black	1/2" x 1-1/2"		9/32"	5/8"	J10-88
717131	2	Black	1/2" x 1-1/2"		9/32"	5/8"	J10-88
717134	1	White	11/16"		5/16"	13/16"	J10-88
717134	1	White	11/16"		5/16"	13/16"	J10-88
717134	1	White	11/16"		5/16"	13/16"	J10-88
717163	12	White	7/8"	29/32"	5/16"	3/4"	J10-89
717211	3	Natural	3/16" x 1/2"		3/16"	5/8"	J10-79
717212	3	Black	3/16" x 1/2"		3/16"	7/16"	J10-103
717212	3	Black	3/16" x 1/2"		3/16"	7/16"	J10-103
717214	10	White	3/4"	1/2"	11/32"	9/16"	J10-79
717319	2	Black	1-3/16"		3/8"	3/4"	J10-89
717320	1	Black	2"		5/16"	3/4"	J10-89
717610	4	Black	20mm		11mm	16mm	J10-79
717616	10	White	18mm	13mm	9.5mm	14mm	J10-102
717616	10	White	18mm	13mm	9.5mm	14mm	J10-102
717616	10	White	18mm	13mm	9.5mm	14mm	J10-102
717620	6	Black	13mm		7mm	15mm	J10-79
717620	6	Black	13mm		7mm	15mm	J10-79
718100	1	Natural	1/2"		9/32"	11/16"	J10-74
718226	1	Black	25mm		7.5mm	20mm	J10-89
718230	11	White	15/16"	29/32"	5/16"	11/16"	J10-89
718230	11	White	15/16"	29/32"	5/16"	11/16"	J10-89
718230	11	White	15/16"	29/32"	5/16"	11/16"	J10-89
718230	11	White	15/16"	29/32"	5/16"	11/16"	J10-89
718415	9	White	3/4"	33/64"	5/16"	13/16"	J10-89
718422	7	Black	25/32"	1/2"	5/16"	5/8"	J10-89
718430	11	White	15/16"	29/32"	5/16"	15/16"	J10-89
718615	1	Black	1-21/32"		5/16"	3/4"	J10-89
718616	1	Black	1-3/8"		5/16"	15/16"	J10-89
718618	1	Black	1"		7/16"	13/16"	J10-89
718627	1	Black	1"		9/32"	1-7/16"	J10-89
718654	1	Black	25/32"		5/16"	15/16"	J10-74
718657	14	White	3/4" x 7/8"	9/32" x 19/32"	5/16"	3/4"	J10-89
720059	1	Black	1"		5/16"	13/16"	J10-89
720059	1	Black	1"		5/16"	13/16"	J10-89
720371	1	Black	3/4"		5/16"	1-1/16"	J10-74
720375	1	Black	3/8"		7/32"	5/8"	J10-103
720376	1	Black	23/64"		3/16"	7/16"	J10-74
720377	1	Black	3/4"		11/32"	7/8"	J10-89
720377	1	Black	3/4"		11/32"	7/8"	J10-89
720378	1	Black	3/4"		7/32"	11/16"	J10-74
720379	1	Black	7/16"		7/32"	5/16"	J10-103
720380	1	Black	5/8"		3/8"	3/4"	J10-90
720380	1	Black	5/8"		3/8"	3/4"	J10-90
720381	1	Black	5/8"		1/4"	3/4"	J10-74
720382	1	Black	3/8"		7/32"	3/8"	J10-103
720383	1	Black	1"		1/4"	25/32"	J10-90
720384	1	Black	1"		19/64"	1-1/16"	J10-90

*** NOTE: Items listed with a page number of "nic" do not appear in the catalog.**

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MISC - Illustration not shown here

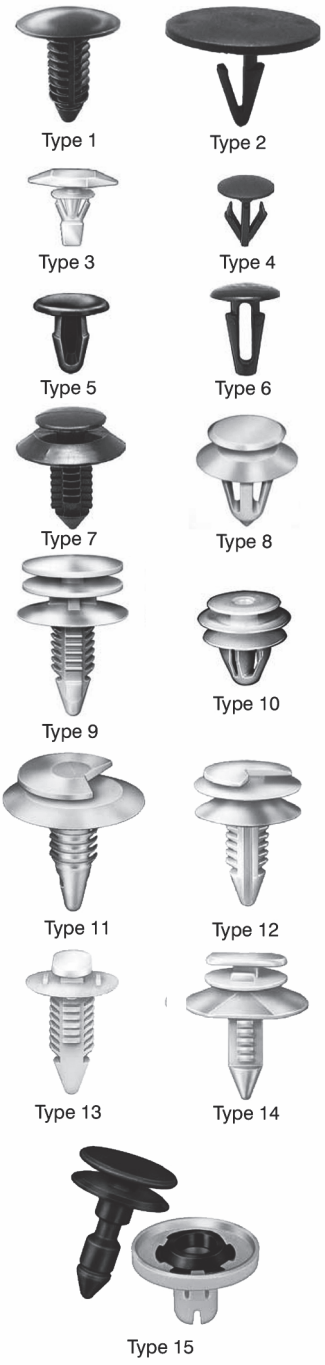
RETAINER SPECIFICATION CHART

Recommended Hole Size: .030”-.060” smaller than stem diameter

PART NUMBER	TYPE	COLOR	BOTTOM HEAD DIAMETER	TOP HEAD DIAMETER	STEM DIAMETER	STEM LENGTH	PAGE NUMBER
720499	.3	Natural	.9/32” x 1/2”		.7/32”	.21/32”	J10-103
720508	.1	Black	.16mm		.5mm	.13mm	J10-90
720539	.6	Black	.13mm		.6mm	.10mm	J10-73
720580	.3	Natural	.5mm x 15mm		.5mm Hole	.9mm	J10-80
720632	.4	Black	.25mm		.9mm	.10mm	J10-90
720632	.4	Black	.25mm		.9mm	.10mm	J10-90
720632	.4	Black	.25mm		.9mm	.10mm	J10-90
720733	.10	Green	.23/32”	.19/32”	.5/16”	.5/8”	J10-80
720741	.10	Natural	.20mm	.15mm	.9mm	.15mm	J10-80
720762	.4	Black	.12mm		.8.5mm	.9mm	J10-80
720762	.4	Black	.12mm		.8.5mm	.9mm	J10-80
720765	.3	Orange	.5mm x 15mm		.6mm	.10mm	J10-103
720765	.3	Orange	.5mm x 15mm		.6mm	.10mm	J10-103
720766	.3	Natural	.5mm x 15mm		.6mm	.10mm	J10-102
720776	.10	Yellow	.18mm	.13mm	.9.5mm	.17mm	J10-73
720776	.10	Yellow	.18mm	.13mm	.9.5mm	.17mm	J10-73
720807	.9	Maroon	.18mm	.13mm	.9.5mm	.14mm	J10-85
720807	.9	Maroon	.18mm	.13mm	.9.5mm	.14mm	J10-85
720807	.9	Maroon	.18mm	.13mm	.9.5mm	.14mm	J10-85
720907	.2	Black	.30mm		.8mm	.12mm	J10-90
720922	.1	Black	.7/16”		.7/32”	.11/16”	J10-90
720923	.1	Black	.3/4”		.11/32”	.13/16”	J10-90
720924	.1	Gray	.11/16”		.5/16”	.13/16”	J10-90
720924	.1	Gray	.11/16”		.5/16”	.13/16”	J10-90
720924	.1	Gray	.11/16”		.5/16”	.13/16”	J10-90
720925	.1	Black	.23/32”		.15/64” x 9/32”	.3/4”	J10-90
720927	.1	Black	.5/8”		.1/4”	.3/4”	J10-90
720933	.Misc.	White	.22mm	.16mm	.9mm	.15mm	J10-85
720934	.3	Natural	.5mm x 15mm		.5mm	.8mm	J10-103
720961	.Misc.	White	.18mm	.13mm	.8mm	.18mm	J10-86
720963	.1	Black	.13/32”		.5/16”	.1-5/16”	J10-90
720965	.3	White	.5mm x 15mm		.6mm Hole	.10mm	J10-103
720966	.10	White	.17mm	.13mm	.9.5mm	.13mm	J10-102
720967	.3	White	.6mm x 16mm			.15mm	J10-80
720967	.3	White	.6mm x 16mm			.15mm	J10-80
721007	.1	Black	.3/4”		.7/32”	.11/16”	J10-90
721016	.4	Black	.11mm		.7mm	.8mm	J10-80
721036	.10	White	.18mm	.15mm	.8.5mm	.14mm	J10-80
723024	.1	Black	.25mm		.13mm	.15mm	J10-90
723024	.1	Black	.25mm		.13mm	.15mm	J10-90
723056	.1	Black	.22mm		.7.5mm	.35mm	J10-95
723104	.1	Black	.16mm		.8mm	.16mm	J10-90
723196	.1	Black	.15/16”		.3/8”	.3/4”	J10-91
723205	.10	White	.15mm	.13mm	.9mm	.9.5mm	J10-80
723205	.10	White	.15mm	.13mm	.9mm	.9.5mm	J10-80
723212	.10	Gray/White	.20mm	.15mm	.9mm	.18mm	J10-80
723212	.10	Gray/White	.20mm	.15mm	.9mm	.18mm	J10-80
723213	.10	Yellow/White	.20mm	.15mm	.9mm	.14mm	J10-73
723231	.10	Gray/White	.20mm	.15mm	.9mm	.18mm	J10-80
723231	.10	Gray/White	.20mm	.15mm	.9mm	.18mm	J10-80
723250	.10	White	.18mm	.13mm	.8.5mm x 8.5mm	.15mm	J10-86
723285	.1	Black	.21mm		.7.5mm	.25mm	J10-91
723336	.10	White	.22mm	.16mm	.9mm	.15mm	J10-81
723346	.1	Blue	.1”		.5/16”	.1-1/2”	J10-74
723349	.1	Black	.18mm		.7.5mm	.33mm	J10-91
724005	.10	Yellow	.18mm	.15mm	.10mm	.15mm	J10-81
724019	.10	White	.16mm	.13mm	.9mm	.15mm	J10-86

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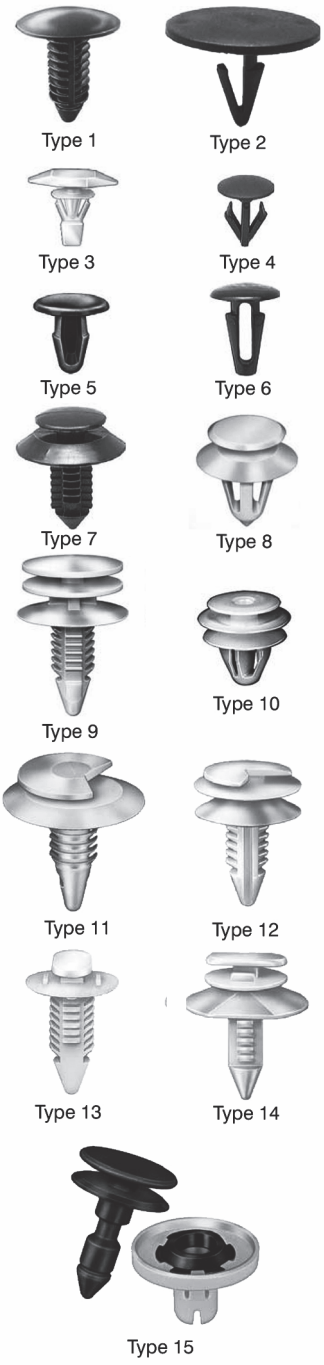
RETAINER SPECIFICATION CHART

Recommended Hole Size: .030"-.060" smaller than stem diameter

PART NUMBER	TYPE	COLOR	BOTTOM HEAD DIAMETER	TOP HEAD DIAMETER	STEM DIAMETER	STEM LENGTH	PAGE NUMBER
724028	1	Black	15mm		4.5mm	14mm	J10-91
724053	10	Turquoise	18mm	13mm	8.5mm x 9mm	14mm	J10-102
724079	4	Yellow	10mm		9mm	14.5mm	J10-103
724111	8	White	16mm	13mm	8mm	13mm	J10-86
724134	1	Black	19mm		7.5mm	16mm	J10-91
724134	1	Black	19mm		7.5mm	16mm	J10-91
724134	1	Black	19mm		7.5mm	16mm	J10-91
724153	9	White	25/32"	11/16"	5/16"	13/16"	J10-91
724171	3	Blue	5mm x 14mm		6.5mm	10mm	J10-104
724237	1	Black	1"		11/32"	3/4"	J10-91
724240	6	Black	30mm		8mm	17mm	J10-81
724260	Misc.	Black	30mm		15mm x 18mm	10mm	J10-91
724260	Misc.	Black	30mm		15mm x 18mm	10mm	J10-91
724261	6	Black	13mm		7.5mm	15mm	J10-81
724514	8	Black	25mm	13mm	10.5mm	14mm	J10-86
724516	8	White	18mm	14mm	12mm	14mm	J10-86
724532	Misc.	Black	9/16"		19/64"	13/32"	J10-91
724553	1	Black	20mm		8.5mm	20mm	J10-91
724606	3	White	1/4" x 21/32"		1/4"	15/32"	J10-104
724606	3	White	1/4" x 21/32"		1/4"	15/32"	J10-104
724789	10	Black	18mm	15mm	9mm	13mm	J10-82
724790	1	Black	23mm		8mm	20mm	J10-91
724792	10	Black	16mm	13mm	11mm	14mm	J10-102
724838	1	Black	20mm		7mm	15mm	J10-92
724839	1	Black	31mm		7.6mm	13mm	J10-92
724840	1	Black	20mm		9mm	17mm	J10-92
724841	1	Black	26mm		7.5mm	28mm	J10-92
724842	10	Green	18mm	15mm	12mm	14mm	J10-82
724843	10	White	18mm	13mm	9.5mm	14mm	J10-82
724915	1	Opal Gray	25mm		8mm	58mm	J10-92
724916	10	Blue	18mm	13mm	10mm	14mm	J10-82
724917	1	Black	25.4mm		8mm	27mm	J10-92
724918	8	Green	17mm	15mm	9mm	14mm	J10-82
724919	8	Blue	17mm	13mm	9mm	13mm	J10-82
724921	1	Black	28mm		8mm	17mm	J10-92
724922	1	Black	30mm		7.8mm	15mm	J10-92
724923	7	White	12mm	13mm	8mm	25mm	J10-82
724926	1	Black	25mm		5.8mm	25.5mm	J10-92
724927	8	Gray	17mm	13mm	9mm	14mm	J10-82
724928	10	Green	18mm	14mm	9mm	10mm	J10-82
724929	1	Light Gray	33mm		8mm	41mm	J10-92
724931	1	Tan	45mm		9.5mm	20mm	J10-92
724932	1	Tan	25mm		8.5mm	37mm	J10-92
724933	1	Tan	25mm		7.5mm	22mm	J10-92
724934	1	Tan	33mm		8mm	41mm	J10-92
724935	10	Black	18.5mm	19.5mm	11mm	16mm	J10-83
724936	8	Yellow	17mm	15mm	9mm	14mm	J10-83
724949	7	White	19mm	19mm	7mm	22mm	J10-92
724950	7	White	12mm x 16mm	15mm	5mm	34mm	J10-86
724986	1	Black	10mm		5.5mm	7mm	J10-93
724987	10	Green	18mm	13mm	9.5mm	11mm	J10-83
724988	10	Yellow	18mm	13mm	9.5mm	12mm	J10-83
724989	1	Black	18mm		7mm x 7mm	13mm	J10-93
724990	Misc.	Black	30mm		15mm x 21mm	14mm	J10-93
724991	10	Black	15mm	13mm	9.5mm	11mm	J10-86
724992	10	White	15mm	13mm	9.5mm	11mm	J10-86
724993	1	Black	10mm		6mm	10mm	J10-104

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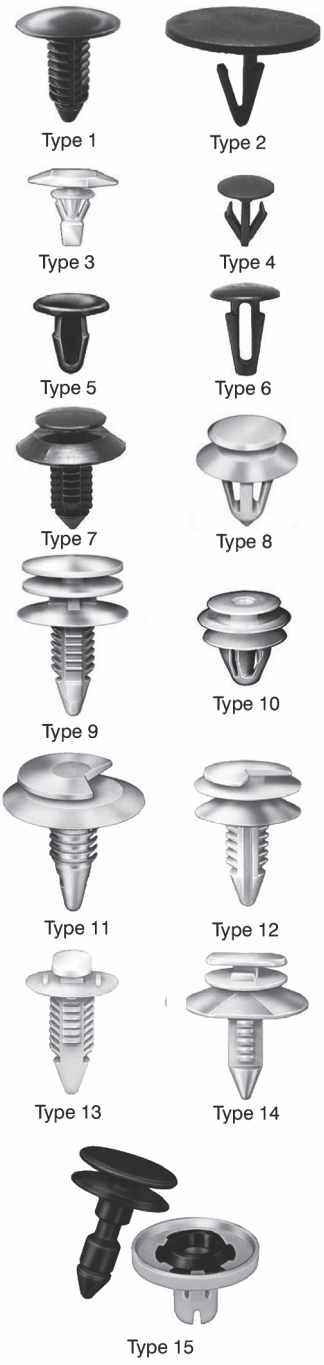
RETAINER SPECIFICATION CHART

Recommended Hole Size: .030"-.060" smaller than stem diameter

PART NUMBER	TYPE	COLOR	BOTTOM HEAD DIAMETER	TOP HEAD DIAMETER	STEM DIAMETER	STEM LENGTH	PAGE NUMBER
724993	1	Black	10mm		6mm	10mm	J10-104
725027	1	Black	5mm x 13mm		8mm	11mm	J10-93
725027	1	Black	5mm x 13mm		8mm	11mm	J10-93
725028	10	White	16mm	13mm	10mm	12mm	J10-83
725029	1	Black	6mm x 16mm		8mm	14mm	J10-93
725029	1	Black	6mm x 16mm		8mm	14mm	J10-93
725040	10	Pink	18mm	15mm	10mm	12mm	J10-102
725040	10	Pink	18mm	15mm	10mm	12mm	J10-102
725064	4	Black	8mm		5.3mm	7mm	J10-83
725064	4	Black	8mm		5.3mm	7mm	J10-83
725065	10	Black	18mm	13mm	9mm	14mm	J10-86
725086	1	Gray	18mm		8mm	16mm	J10-93
725087	1	Tan	18mm		8mm	16mm	J10-93
725167	8	Gray	18.5mm	14mm	12mm	13mm	J10-84
725168	1	Black	20mm		7mm	10mm	J10-93
725169	4	Black	9mm		5.5mm	7mm	J10-84
725286	1	Black	28mm		6mm	10mm	J10-93
725287	10	Yellow	18mm	12.5mm	9.5mm	14mm	J10-84
725288	6	Black	10mm		6mm	8mm	J10-104
725289	10	White	18mm	13mm	9mm	13mm	J10-84
725289	10	White	18mm	13mm	9mm	13mm	J10-84
725290	1	Black	12mm		6mm	15mm	J10-93
725290	1	Black	12mm		6mm	15mm	J10-93
725371	8	Gray	18mm	11mm x 15mm	9.7mm	12mm	J10-85
725393	1	Black	30mm		7.7mm	13mm	J10-94
725394	10	White	15mm	13mm	9.5mm	11mm	J10-84
725395	10	White	18mm	13mm	9.3mm	10mm	J10-84
725396	1	Black	18mm		7.7mm	15mm	J10-94
725397	1	Black	20mm		6mm	22mm	J10-94
725398	10	White	15mm	13mm	9.5mm	14mm	J10-84
725474	6	Black	13mm		7mm	10mm	J10-85
725475	1	Tan	20mm		6mm	15mm	J10-94
725476	10	White	18mm	13mm x 18mm	10.7mm	12mm	J10-85
725477	1	Black	9mm		5.3mm	8mm	J10-94
725477	1	Black	9mm		5.3mm	8mm	J10-94
725478	1	Black	20mm		8mm	8mm	J10-94
725479	Misc.	Black	16.5mm		9mm	13mm	J10-85
725479	Misc.	Black	16.5mm		9mm	13mm	J10-85
725480	1	Gray	20mm		6mm	15mm	J10-94
725481	6	Black	7mm x 13mm		7.5mm	13mm	J10-73
725481	6	Black	7mm x 13mm		7.5mm	13mm	J10-73
725490	Misc.	Black	12mm	9mm	7mm	13mm	J10-73
725493	6	Black	12mm		6.5mm	11mm	J10-104
725561	1	Black	23mm		6.5mm	16mm	J10-94
725561	1	Black	23mm		6.5mm	16mm	J10-94
725562	Misc.	Green & Black	19mm	28mm	9mm	9mm	J10-85
725562	Misc.	Green & Black	19mm	28mm	9mm	9mm	J10-85
725563	Misc.	Tan & White	28.5mm		9.5mm	11mm	J10-103
725564	8	Black	18mm	13.5mm	9mm	14mm	J10-85
725565	11	Natural	18mm	12mm	9.5mm	12mm	J10-94
725565	11	Natural	18mm	12mm	9.5mm	12mm	J10-94
725566	8	Blue	18mm	13mm	9mm	14mm	J10-85
725566	8	Blue	18mm	13mm	9mm	14mm	J10-85
725566	8	Blue	18mm	13mm	9mm	14mm	J10-85
725567	8	White	18mm	12mm	10mm	12mm	J10-85
725567	8	White	18mm	12mm	10mm	12mm	J10-85
725568	Misc.	Black	6mm x 15mm		7.5mm	17mm	J10-104

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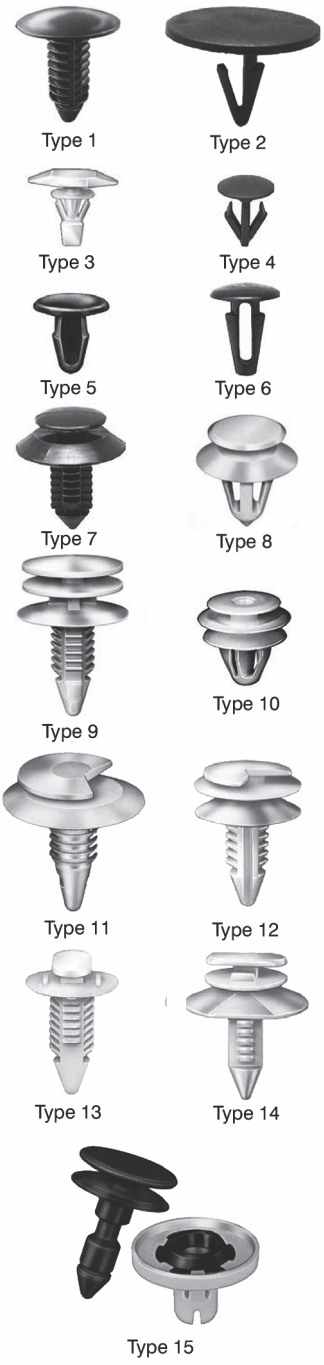
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RETAINER SPECIFICATION CHART

Recommended Hole Size: .030"-.060" smaller than stem diameter

PART NUMBER	TYPE	COLOR	BOTTOM HEAD DIAMETER	TOP HEAD DIAMETER	STEM DIAMETER	STEM LENGTH	PAGE NUMBER
725568	Misc.	Black	6mm x 15mm		7.5mm	17mm	J10-104
725569	Misc.	White	18mm	12mm	10mm	16mm	J10-85
725571	7	White	18mm	12mm	10mm	20mm	J10-95
725571	7	White	18mm	12mm	10mm	20mm	J10-95
725572	8	White	15mm	13mm	9mm	11mm	J10-85
725578	Misc.	Black	18mm	22m	9mm	11mm	J10-103
725578	Misc.	Black	18mm	22m	9mm	11mm	J10-103

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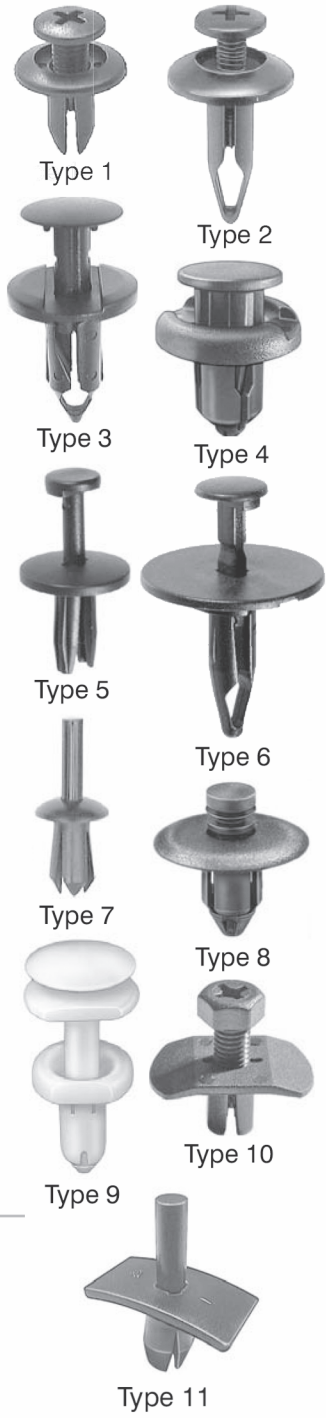
PUSH-TYPE RETAINER SPECIFICATION CHART

Recommended Hole Size: .030"-.060" smaller than stem diameter

PART NUMBER	TYPE	COLOR	HEAD DIAMETER	STEM LENGTH	FITS IN HOLE SIZE	SHOULDER LENGTH	PAGE NUMBER
718423	6	Black	1" (25.4mm)	7/8" (22mm)	1/4" (6.4mm)		J10-75
718423	6	Black	1" (25.4mm)	7/8" (22mm)	1/4" (6.4mm)		J10-75
718427	6	Black	1"	7/8"	5/16"	1/8"	J10-75
718429	1	Black	3/4"	1/2"	1/4"		J10-77
718644	5	Black	1"	3/4"	1/2"	3/4"	J10-95
718646	5	Brown	1"	7/8"	1/2"	1/4"	J10-95
718662	5	Black	1"	23/32"	3/8"		J10-95
718672	1	Black	43/64"	23/64"	5/16"		J10-79
718679	6	Black	11/16"	7/8"	1/4"		J10-75
718710	2	Black	9/16"	5/8"	1/4"		J10-77
718711	1	Black	15mm	11mm	6mm		J10-78
718712	1	Black	18mm	11mm	6mm		J10-78
718713	1	Black	22mm	14mm*	11mm		J10-78
718715	1	Black	20mm	9mm	6mm		J10-78
718716	2	Black	19/32"	29/32"	1/4"		J10-78
718717	2	Black	1"	29/32"	1/4"		J10-78
718718	10	Black	15/32" x 15/32"	21/32"	1/4" x 1/4"		J10-78
718720	1	Black	14mm	11mm	7mm		J10-78
718721	2	Black	19/32"	13/16"	5/16"		J10-78
718722	1	Black	20mm	9mm	8mm		J10-78
718723	2	Black	25/32"	23/32"	5/16"		J10-78
718727	11	Black	8mm x 12mm	8mm	6mm x 6mm		J10-80
718728	7	Black	11/16"	5/8"	1/4"		J10-75
718729	3	Black	17mm	18mm	9.5mm (3/8")	2mm	J10-80
718730	5	Black	11/16"	9/16"	1/4"		J10-95
718732	3	Black	18mm	23mm	7mm		J10-75
718733	3	Black	15mm	23mm	6mm		J10-75
718734	6	Black	1"	15/16"	1/2"	1/8"	J10-75
718737	6	Black	25mm	27mm	7mm		J10-95
718738	7	Black	11/16"	7/16"	9/32"		J10-75
718739	5	Black	21/32"	9/16"	5/16"		J10-75
718740	5	Black	21/32"	19/32"	5/16"		J10-95
718742	11	Black	19/32" x 3/4"	19/32"	5/16"		J10-95
718744	6	Black	1"	1"	1/2"	1/8"	J10-75
718912	7	Black	5/8"	7/16"	1/4"		J10-95
720025	2	Black	11/16"	7/8"	1/4"		J10-95
720333	6	Black	18mm	23mm	9.5mm (3/8")		J10-75
720334	2	Black	27/32"	1"	1/2"	1/8"	J10-80
720386	Misc.	Black	15mm	27mm	9mm		J10-96
720507	1	Black	15mm	13mm	6mm		J10-96
720548	8	Black	18mm	12mm*	9mm		J10-96
720549	4	Black	18mm	15mm*	8mm		J10-96
720550	2	Black	18mm	23mm	9mm		J10-96
720585	6	Black	17/32"	1-5/64"	1/4"		J10-75
720586	3	Black	20mm	21mm	9mm		J10-75
720608	4	Black	23/32"	29/32"	5/16"		J10-76
720609	5	Black	11/16"	5/8"	1/4"		J10-76
720619	4	Black	20mm	13mm	10mm		J10-76
720627	8	Black	17mm	9mm	7mm		J10-76
720629	2	Black	20mm	26mm	9mm		J10-78
720637	4	Black	20mm	9mm*	8mm		J10-76

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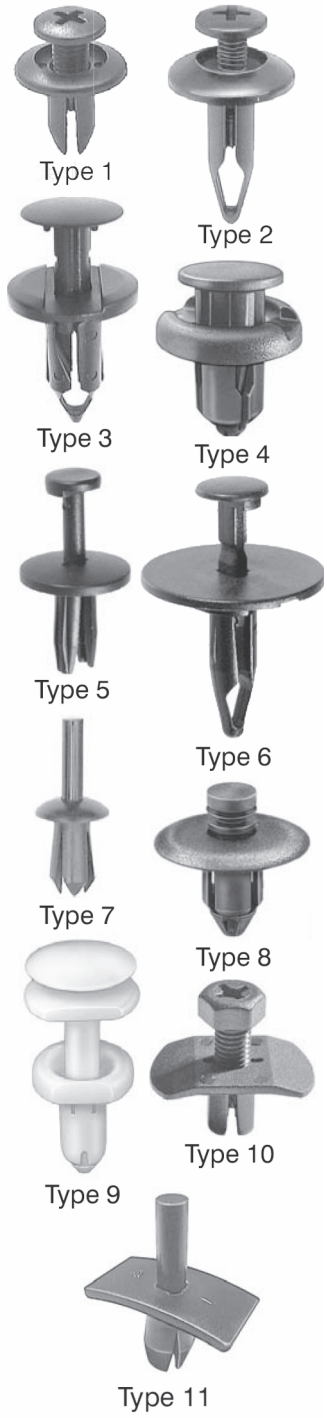
PUSH-TYPE RETAINER SPECIFICATION CHART

Recommended Hole Size: .030"-.060" smaller than stem diameter

PART NUMBER	TYPE	COLOR	HEAD DIAMETER	STEM LENGTH	FITS IN HOLE SIZE	SHOULDER LENGTH	PAGE NUMBER
720669	2	Black	11/16"	11/16"	1/4"		J10-78
720767	4	Black	20mm	10mm	8mm		J10-76
20785	4	Black	20mm	8mm*	7mm		J10-105
720794	2	Black	19mm	26mm	9mm		J10-76
720795	1	Black	15mm	12mm	9mm		J10-76
720796	4	Black	18mm	15mm	10mm		J10-80
723260	6	Black	20mm	17mm	7mm		J10-96
723295	4	Black	18mm	22mm	9mm		J10-96
723308	6	Black	16.5mm	27mm	8mm		J10-77
723309	3	Black	20mm	26mm	8mm		J10-77
723317	1	Black	20mm	8mm*	7mm		J10-77
723368	4	Black	18mm	7.5mm	7mm		J10-74
723374	4	Black	20mm	14mm	10mm		J10-77
723381	2	Black	18mm	20mm	9mm		J10-96
724027	4	Black	20mm	13mm	8mm		J10-105
724109	3	Black	19mm	14mm	8.5mm		J10-105
724116	3	Black	20mm	28mm	8mm		J10-105
724117	1	Black	18mm	12mm	8mm		J10-79
724122	4	Black	19.5mm	15mm	10mm		J10-96
724129	9	White	9/16"	41/64"	1/4"		J10-97
724133	3	Black	20mm	20mm	8mm		J10-77
724138	3	Black	18mm	20mm	6.5mm		J10-105
724139	3	Black	20mm	22mm	8.5mm		J10-105
724140	3	Black	18mm	20mm	9.5mm		J10-105
724203	4	Black	18mm	7mm	7mm		J10-77
724205	3	Black	18mm	17.5mm	6.5mm		J10-105
724206	3	Black	18mm	22mm	6.5mm		J10-105
724207	3	Black	19mm	16mm	8mm		J10-106
724208	3	Black	20mm	20mm	8.5mm		J10-106
724209	3	Black	20mm	24mm	8.5mm		J10-106
724210	3	Black	25mm	20mm	10.5mm		J10-106
724211	3	Black	25mm	23mm	10.5mm		J10-106
724250	8	Black	20mm	8mm*	8mm		J10-77
724251	2	Black	18mm	21mm	8mm		J10-79
724252	2	Black	20mm	27mm	10mm		J10-79
724255	1	Black	20mm	9mm	8mm		J10-79
724262	1	Black	18mm	12mm	6mm		J10-79
724264	4	Black	18mm	14mm	8mm		J10-97
724451	3	Black	18mm	31mm	9mm		J10-77
724509	6	Black	16mm	18mm	7mm		J10-77
724517	5	Black	20mm	10mm	8mm		J10-106
724525	1	Black	18mm	18mm	8mm		J10-105
724540	4	Black	18mm	10mm	6mm		J10-97
724543	8	Gray	22mm	10mm*	9mm		J10-97
724549	4	Black	15mm	17mm	7mm		J10-97
724550	1	Black	20mm	9mm	9mm x 9mm		J10-97
724603	3	Black	15mm	20mm	8mm		J10-97
724604	4	Black	20mm	13mm	10mm		J10-97
724744	7	Black	15mm	15mm	6.3mm		J10-97
724784	Misc.	Black	20mm	23mm	10mm		J10-97
724785	Misc.	Black & White	24mm	20mm	11mm	3mm	J10-98

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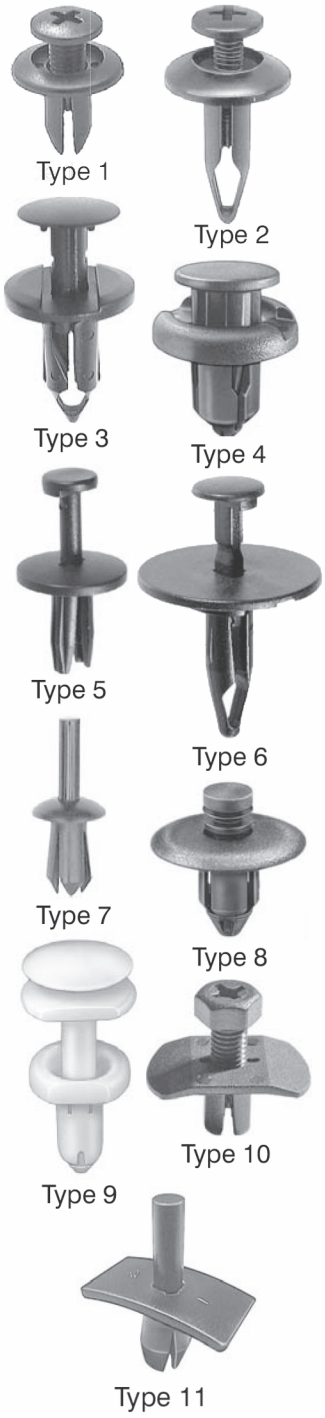
MISC - Illustration not shown here

PUSH-TYPE RETAINER SPECIFICATION CHART

Recommended Hole Size: .030”-.060” smaller than stem diameter

PART NUMBER	TYPE	COLOR	HEAD DIAMETER	STEM LENGTH	FITS IN HOLE SIZE	SHOULDER LENGTH	PAGE NUMBER
724786	8	Gray	22mm	10mm*	9mm		J10-98
724787	9	Black & White	22mm	16mm	9mm		J10-98
724908	6	Black	25mm	29mm	7mm		J10-98
724909	Misc.						J10-98

These are general illustrations. There may be some differences between the actual part and the illustration. For clarification, refer to the true illustration referenced in the page number column in the chart.



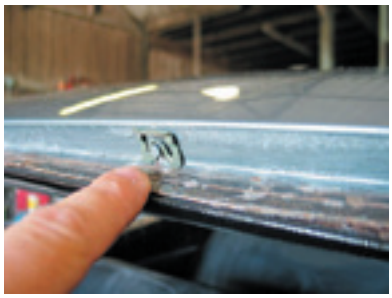
MISC - Illustration not shown here

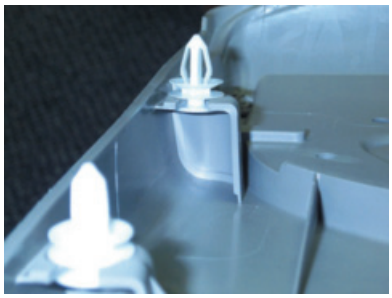
*** NOTE: Items listed with a page number of “nic” do not appear in the catalog.**

J - BODY SHOP











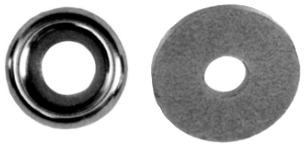


J10 BODY CLIPS & SMALL PARTS

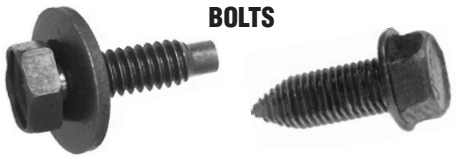
SCREWS



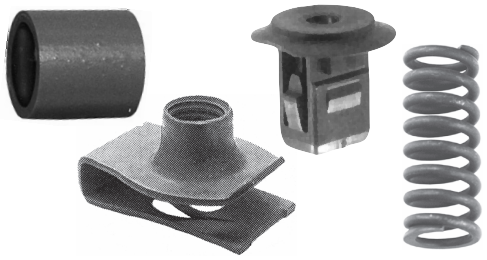
WASHERS



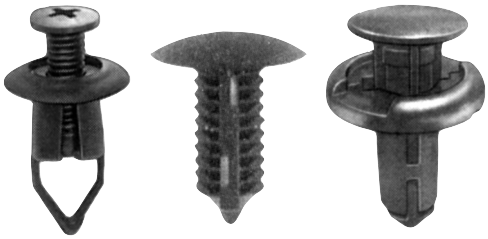
BOLTS



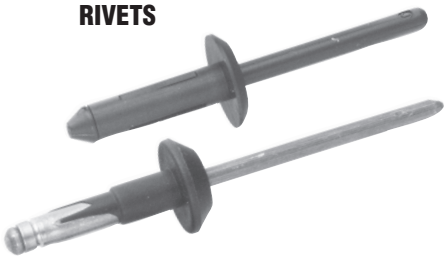
BODY PANEL MOULDING CLIPS & FASTENERS



DOOR and INTERIOR TRIM RETAINERS & CLIPS



RIVETS



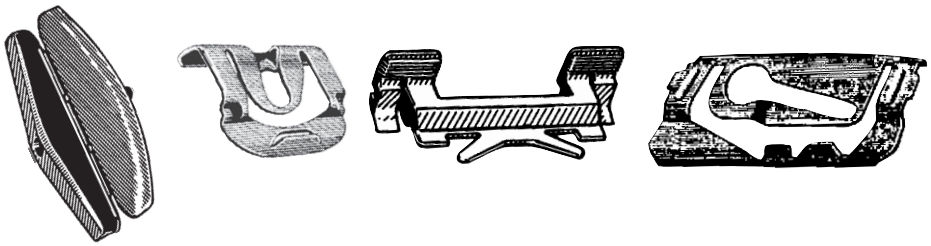
NUTS



THREAD REPAIR



WINDSHIELD and BACKGLASS REVEAL MOULDING CLIPS and FASTENERS



WEATHERSTRIP RETAINERS and CLIPS



AUTOBODY FASTENERS by TYPE

QUICK REFERENCE SUB-INDEX J10 BODY CLIPS AND SMALL PARTS

AUTOBODY FASTENERS

PRODUCTS	PAGES
BOLTS	J10-34-35
CLIPS	J10-36 - 51
DOOR HINGES	J10-52 - 53
GROMMETS	J10-54 - 59
NUTS	J10-60 - 72
RETAINERS	J10-73-104
RIVETS	J10-105-115
RIVET TOOLS	J10-116
SCREWS	J10-117-120
TRIM SCREWS	J10-121-122
WASHERS	J10-123
MISCELLANEOUS	J10-124-126

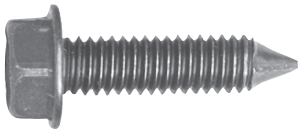
BOLTS

HEX HEAD MACHINE SCREW THREAD with CONE POINT

Used on hood hinge to hoods and fenders, radiator supports, radiator fan shrouds, radiator grilles, headlamps and general usage.

PART NUMBER	THREAD SIZE INCHES	LENGTH INCHES	WASHER O.D. INCHES	QTY
718891	1/4-14	3/4	5/8	25
717250	5/16-18	13/16	5/8	50
717251	5/16-18	1	5/8	50

PART NUMBER	THREAD SIZE INCHES	LENGTH INCHES	WASHER O.D. INCHES	QTY
717252	5/16-18	1-1/4	5/8	50
717254	3/8-16	1	1	50
717255	3/8-16	1-1/2	1-1/8	50



THE FLANGED LOCKING SYSTEM

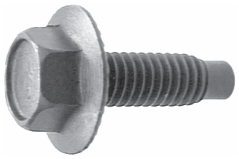
- **Teeth lock on for stringer, more reliable assembly - 30% more torque is required for disassembly.**
- **Hardened teeth permit reuse up to 15 times - saves money.**
- **Dog point allows easy panel alignment.**
- **Flange eliminates separate washers - saves money and cuts assembly time.**
- **Black Phosphate coating.**

USS COARSE BODY BOLTS

PART NUMBER	BOLT SIZE INCHES	WASHER HEX	HEAD O.D.	QTY
50606	1/4 x 5/8	3/8	5/8	50
50609*	5/16 x 3/4	1/2	13/16	50
50610	5/16 x 1	1/2	13/16	50

PART NUMBER	BOLT SIZE INCHES	WASHER HEX	HEAD O.D.	QTY
50612*	5/16 x 1-1/4	1/2	13/16	50
50631	3/8 x 1	9/16	3/4	50

***Denotes dog point**



SAE FINE BODY BOLTS

PART NUMBER	BOLT SIZE INCHES	WASHER HEX	HEAD O.D.	QTY
50614*	5/16 x 1	1/2	13/16	50



HEX FLANGE HEAD BODY BOLTS

- **Black Phosphate finish.**

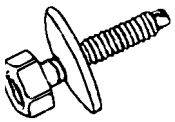
PART NUMBER	REPL. OE NO.	DIA.	LENGTH	WASHER	HEX	QTY
717259	N/A	6mm x 1.0mm	25mm	12mm	10mm	25
717269	11502605	8mm x 1.25mm	25mm	17mm	13mm	25
720143	11504499	8mm x 1.25mm	30mm	16mm	13mm	25
720137	10082036	8mm x 1.25mm	41mm	13mm	10mm	25
720141	11502607	10mm x 1.5mm	30mm	25mm	15mm	12



HEX HEAD BODY BOLTS with LOOSE WASHER

- **Black Phosphate finish.**

PART NUMBER	REPL. OE NO.	DIA.	LENGTH	WASHER	HEX	QTY
720151	11505816	5mm x .80mm	20mm	14mm	8mm	25
720152	20585900	6mm x 1.0mm	16mm	16mm	10mm	25
717459	11504570	6mm x 1.0mm	20mm	17mm	10mm	12
717460	11504303	6mm x 1.0mm	25mm	17mm	10mm	12
724526	25531999	8mm x 1.25mm	26mm	24mm	13mm	12
723246		6mm x 1.0mm	12mm	12.5mm	10mm	25
723249		6mm x 1.0mm	20mm	12.5mm	10mm	25



HEX FLANGE HEAD BODY BOLTS with STARTER POINT

PART NUMBER	REPL. OE NO.	DIA.	LENGTH	FLANGE	HEX	FINISH	QTY
720182*	34201287	6mm x 1.0mm	20mm	12.7mm	10mm	Zinc	25
720140**	10130851	6mm x 1.0mm	20mm	14mm	10mm	Black	25
723276	11503800	6mm x 1.0mm	20mm	13mm	10mm	Black	25
720186	20083312	6mm x 1.0mm	28mm	13mm	10mm	Black	12
717263	11500961	6.3mm x 1.0mm	20mm	13mm	10mm	Black	25
720189†	11503702	6.3mm x 1.0mm	20mm	13mm	10mm	Blue	25
717469†	3071437	6.3mm x 1.0mm	25mm	12mm	10mm	Blue	12
717268	11500969	8mm x 1.25mm	20mm	16mm	13mm	Black	25
717472							



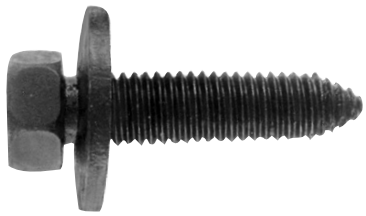
†Blue finish *Zinc finish **2mm Knurl below head

BOLTS

Illustrations are actual size unless otherwise noted.

HEX HEAD BODY BOLTS with LOOSE WASHER & STARTER POINT

- **Black Phosphate finish.**

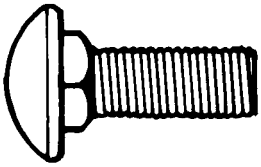


PART NUMBER	REPL. OE NO.	DIA.	LENGTH	WASHER	HEX	QTY
717467	11503823	6mm x 1.0mm	20mm	17mm	10mm	12
720184	11503834	6mm x 1.0mm	25mm	17mm	10mm	25
717468	11504493	6mm x 1.0mm	25mm	24mm	10mm	12
720187	11505044	6mm x 1.0mm	35mm	17mm	10mm	25
720188	11501105	6.3mm x 1.0mm	20mm	17mm	10mm	25
720190†	11503633	6.3mm x 1.0mm	25mm	16mm	10mm	25
717470	11500754	6.3mm x 1.0mm	25mm	18mm	10mm	12
717471	365718	6.3mm x 1.0mm	25mm	23mm	10mm	12
717264	11501184	6.3mm x 1.0mm	40mm	17mm	10mm	25
717473	11501102	8mm x 1.25mm	25mm	24mm	13mm	12
717474	11501188	8mm x 1.25mm	30mm	24mm	13mm	12
720193	11509096	8mm x 1.25mm	35mm	24mm	13mm	25
717272	11501193	10mm x 1.5mm	40mm	30mm	15mm	25

†Blue finish *Zinc finish

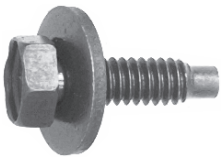
UNIVERSAL BUMPER BOLTS - ROUND HEAD

- **Stainless steel capped.**
- **USS threads.**



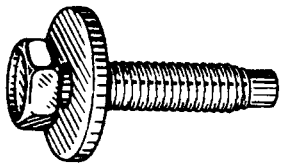
PART NUMBER	BOLT SIZE INCHES	HEAD DIA. INCHES	QTY
702512	3/8-16 x 1	27/32	6
702513	3/8-16 x 1-1/4	27/32	6
702510	7/16-14 x 1-1/4	31/32	6
702511	7/16-14 x 1-1/2	31/32	6
702520	1/2-13 x 1-1/4	1-3/32	6

HEX HEAD BODY BOLTS DOG POINT with WASHER



PART NUMBER	REPL. OE NO.	DIA.	LENGTH	WASHER	HEX	FINISH	QTY
718894	57472-S2	1/4-20	3/4	3/4	7/16	Black	25
50607	57030-S2	1/4-20	7/8	3/4	7/16	Black	50
718897	57032-S36	1/4-20	1-1/8	3/4	7/16	Dichromate	25
718898	---	1/4-20	1-3/16	3/4	7/16	Black	25
718919	57039-S2	5/16-18	15/16	7/8	1/2	Black	25
718920	384930-S36	5/16-18	15/16	7/8	1/2	Dichromate	25
718922	57041-S2	5/16-18	1-3/16	7/8	1/2	Black	25
718926	57048-S2	3/8-16	1-3/16	1	9/16	Black	25

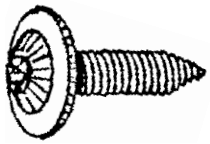
HEX HEAD BODY BOLTS with LOOSE WASHER & DOG POINT



PART NUMBER	REPL. OE NO.	DIA.	LENGTH	WASHER	HEX	FINISH	QTY
720157	6100539	5mm x 0.8mm	20mm	12mm	8mm	Black	25
720158	N606675-S2	6mm x 1.0mm	18mm	19mm	8mm	Black	25
717479	N606676-S36	6mm x 1.0mm	23mm	19mm	8mm	Dichromate	25
720164	N606676-S2	6mm x 1.0mm	23mm	19mm	8mm	Black	25
	6100566						
717463	6100567	6mm x 1.0mm	25mm	19mm	10mm	Black	25
720165	N606677-S	6mm x 1.0mm	28mm	19mm	8mm	Black	12
721076	N606677-S36	6mm x 1.0mm	28mm	19mm	8mm	Dichromate	12
717464	6100568	6mm x 1.0mm	30mm	19mm	10mm	Black	12
720170	11500402	8mm x 1.25mm	25mm	15mm	13mm	Black	25
720171	N606689-S2	8mm x 1.25mm	25mm	22mm	10mm	Black	12
720172	N606690-S2	8mm x 1.25mm	30mm	22mm	10mm	Black	12

TORX WASHER HEAD BODY BOLTS with STARTER POINT

- **GM & General Purpose.**
- **Zinc finish.**



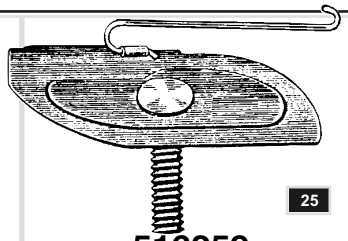
PART NUMBER	DIA.	LENGTH	WASHER HD. DIA.	QTY
717455	6mm x 1.0mm	20mm	18mm	12
718968	6mm x 1.0mm	25mm	18mm	25
718969	6mm x 1.0mm	30mm	18mm	25

CLIPS



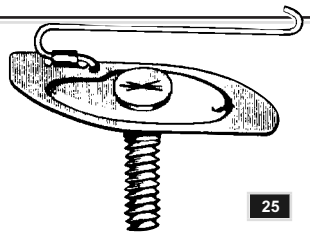
12

725102
Moulding Clip
Top Head: 12.5mm
Middle Head: 15mm
Bottom Head: 15mm
Stem Dia: 10.2mm
OE:DYC101420



25

516259
T-bolt Clips
10-24 X 3/4 Bolt
5/8 X 1-7/8 Plate
Gm & Chrysler
OE: 1758099,6000720, 6010046, 3744999



25

516264
T-bolt Clips
10-24 X 3/4 Bolt
1/2 X 1-7/16 Plate



12

724710
Weatherstrip Clips
Top Head: 5mm X 15mm
Bottom Head: 9.5mm
Stem Dia: 7mm
Stem Length: 11mm
OE:72311-S5S-003



12

724711
Weatherstrip Clips
Head Size: 5mm X 15mm
Bottom Head: 6.5mm
Stem Dia: 8.5mm
White Nylon
OE:91563-SCV-003



12

724712
Weatherstrip Clip
Top Head: 5mm X 15mm
Bottom Head: 7.5mm
Stem Dia: 6.5mm
Stem Length: 7mm
OE:90651-TP8-003, 91568-TR0-003



50

724855
Weatherstrip Clips
Bottom Head Dia: 5 X 15mm
Top Head Dia: 8mm
Stem Dia: 8mm
White Nylon
OE:W711858-S300



12

725143
Weatherstrip Clips
Top Head: 5mm X 14mm
Bottom Head: 8mm
Stem Dia: 6.3mm
Stem Length: 5mm
OE:67867-50020



12

725172
Weatherstrip Clips
Bottom Head Dia: 14mm
Top Head Dia: 6.5mm
Stem Dia: 10mm
Black Nylon
OE:J001-56-741



12

725295
Weatherstrip Clips
Bottom Head Dia: 6 X 16mm
Top Head Dia: 6.5mm
Stem Dia: 12mm
White Nylon
OE:80850-89900



12

725406
Weatherstrip Clips
Bottom Head Dia: 5mm X 14mm
Top Head Dia: 7mm
Stem Dia: 8.5mm
White Nylon
OE:90331-AA050



12

725407
Weatherstrip Clips
Bottom Head Dia: 9mm
Top Head Dia: 6.5mm
Stem Dia: 13mm
Black Nylon
OE:90331-GA090



12

725491
Weatherstrip Clips
Bottom Head Dia: 9mm
Top Head Dia: 5mm X 15mm
Stem Dia: 6.5mm
Stem Length: 4mm
OE:90467-04034



12

725492
Weatherstrip Clips
Head Size: 14mm
Stem Dia: 9mm
Stem Length: 11mm
Hood
OE:90467-08045,90467-08063



12

724880
Grille Clips
Overall Hgt: 14mm (9/16)
White Nylon
OE:5482087



12

725126
Grille Clips
Top Head: 10mm X 10mm
Bottom Head: 15mm
Stem Dia: 10mm
Stem Length: 10mm
OE:90467-10190

CLIPS

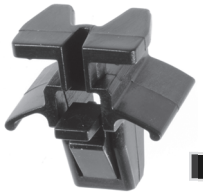
Illustrations are actual size unless otherwise noted.


12

725240
Grille Clips
Overall Length: 24mm
14mm Width
Radiator Grille Cowl
Gray Nylon
OE: MR221507,90467-13075


12

725361
Grille Clips
Overall Hgt: 27mm
Gray Nylon
OE:91017-FA080


12

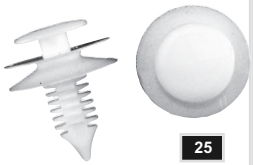
725362
Grille Clips
Top Head: 15.5mm X 11mm
Bottom Head:19.5mm X 14mm
Stem Length: 11mm
Black Nylon
OE:91059-FC090


25

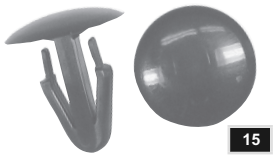
716307
Door Panel Trim Clips
Fits: 8mm Hole
OE:N90282401


25

716311
Trim & Panel Clips
1/2 Pan Head Dia.
Door Panel Up To 1/4
Fits: 1/4 Hole
OE:375373-S


25

716318
Door Panel Retaining Clips
OE:388499-S


15

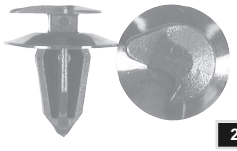
716327
Interior Trim Clips
OE:01553-01251


100

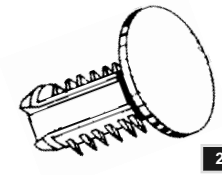
717133
Door & Window Crank Handle Retaining Clips
Zinc & Yellow


25

717216
Door Trim Panel Clips W/ Anti-rattle Wedge
Phosphate
OE:383033-S101


25

718400
Door Trim Panel Clips
OE:385188-S


25

718671
Front Fender Splash Shield Clip
OE:25517947


12

720536
Rr Hood Cwl Weatherstrip Clip
Bottom Head Dia: 8 X 18mm
Top Head Dia: 7mm
Stem Dia: 15mm
Black Nylon
OE:91515-SR3-000


25

720537
Front & Rear Door
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 6mm Hole
Stem Dia: 8mm
Blue Nylon
OE:GA2A-58-762


25

720739
Door Trim Panel Clips
14mm Stem Length
Fits: 7mm Hole
Yellow Nylon
OE:6504452


12

720760
Hood Insulation Retaining Clip
Bottom Head Dia: 10mm
Top Head Dia: 7.5mm
Stem Dia: 10mm
Black Nylon
OE:91520-SM4-C01


5

720786
Fender Apron Seal Clips
Bottom Head Dia: 17mm
Top Head Dia: 7mm
Stem Dia: 12mm
Black Nylon
OE:90467-10107

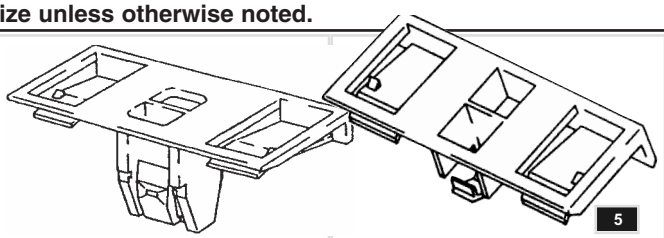
CLIPS

Illustrations are actual size unless otherwise noted.



10

720943
Rocker Panel Moulding Clips
1-1/4 Stem Length
7/8 X 1-9/16 Bot. Head
11/16 X 1-1/2 Top Head
Fits: 7/16 Hole
OE:10431761



5

723017
Rocker Panel Moulding Clips
Fits: 9mm X 14mm Hole
7/8 W X 2" L

Gray Nylon
OE:25648693

723180
Rocker Moulding Clips
7/8 W X 2" L

Pontiac Bonneville
Black Nylon
OE:25691949,25704001



7

723300
Rocker Pnl MIding Clip W/Seal
9/16 Stem Length
Fits: 7/16 Hole
13/16 X 13/16 Bottom Head
9/16 X 13/16 Top Head
OE:11518357



7

723304
Wire Loom Routing Clips
20mm Stem Length
Fits: 6.3mm Hole
10mm Loom ID
13mm Loom OD
OE:12160858



5

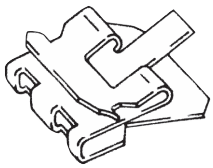
724147
Body Side Moulding Clips
12mm Stem Length
6.5 & 13 X 18mm Head Size
White Nylon

OE:75305-S0A-003



10

724263
Cowl Top Retaining Clips
Bottom Head Dia: 14mm
Top Head Dia: 8mm
Stem Dia: 15mm
Black Nylon
OE:91501-SM4-003



6

724518
Engine Splash Shield Clips
13/16 Width; 1-1/16 Length
Front Bumper Cover To
Air Dam
Zinc Organic
OE:W701295-S301



6

724534
Rocker Panel Moulding Clips
Top Head: 9/16 X 25/32
Bottom Head: 5/8 X 25/32
Fits: 3/8 Hole
Stem Length: 9/16
OE:25742293



6

724536
Rocker Panel Moulding Clips
Top Head: 15/32 X 13/16
Bottom Head: 15/32 X 25/32
Fits: 3/8 Hole
Stem Length: 9/16



6

724538
Wheel Lip Moulding Clips
Head Dia: 15mm X 51mm
Stem Dia: 11mm
Fits: 10mm Hole
Yellow Nylon



6

724539
Fender Moulding Clips
Head Dia: 15 X 51mm
Stem Dia: 11mm
Fits: 8mm Hole
White Nylon
OE:F57B-16241-AA



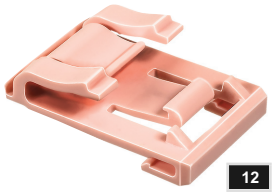
12

724700
CABLE CLIPS
Fits: 7mm Hole
Overall Hgt: 17mm Closed
Max Cable Dia. 5mm
Black Nylon
OE:91558-SE3-003



10

724821
Fuel Line Retainer Clips
Head Size: 3/8 X 5/8
Overall Hgt: 21/32
For 5/16 Fuel Line Hose
White Nylon
OE:4F1Z-9A317-AA



12

724970
Belt Moulding Clips
20mm Width
Overall Length: 29mm

Pink Nylon
OE:91503-T2A-A01



12

724971
Hood / Cowl Clips
Top Head: 12mm
Bottom Head: 16mm
Stem Dia: 4mm
Stem Length: 6.5mm
OE:90602-S2A-003

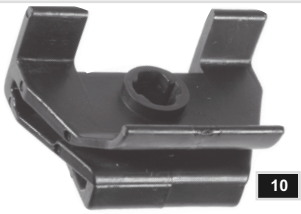
CLIPS

Illustrations are actual size unless otherwise noted.



12

725060
Clip, Cowl & Grill Retainer
Head Size: 11mm
Stem Dia: 4.5mm
Stem Length: 15mm
Cowl Grille Retainer
OE:66820-61U00



10

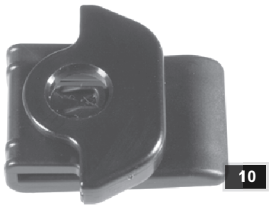
725121
Bumper Cover Clips
35mm Width
Overall Length: 25mm

Black Nylon
OE:53879-50020



12

725125
Fender Panel Moulding Clips
Head Size: 4.5mm X 11mm
Stem Dia: 6.5mm
Stem Length: 9mm
Black Nylon
OE:90467-07137



10

725265
Clips
30mm Width @ Wings
20mm Width
Overall Length: 30mm
Fender Apron
OE:63848-9Y000



10

725266
Flange Clips
Flange: 20mm
Overall Hgt: 12.5mm
10.5mm Hex
Wheel Liner Cowl
OE:01553-05131



12

725269
Hood Seal Clips
Bottom Head Dia: 6.4 X 16mm
Top Head Dia: 3.5mm X 6mm
Stem Dia: 10mm
Black Nylon
OE:65810-K2000



12

725351
Metal Moulding Clips
Overall Hgt: 22mm
Black Spring Steel

OE:4A0-867-276



12

725365
Rocker Panel Moulding Clips
Bottom Head Dia: 17mm
Top Head Dia: 11mm X 14mm
Stem Dia: 9.7mm
Stem Length: 12mm
OE:90913-0109



10

725489
Spring Locking Clips
16mm Width
Locking Fastener
Front & Rear Spoiler
Dacromet
OE:76879-44010



6

724537
Whl Flare Mlding Clip W/Sealer
Top Head: 14mm X 29mm
Bottom Head: 14mm X 29mm
Fits: 9mm Hole
Stem Length: 16mm



12

724542
Whl Flare Mlding Clip W/Sealer
Top Head: 14mm X 18mm
Bottom Head: 17mm X 21mm
Fits: 9mm Hole
Stem Length: 16mm



6

724548
Drip Moulding Clips W/ Sealer
Top Width: 25mm
Overall Length: 16mm
Fits: 5mm Hole
White Nylon



10

724939
Rocker Mlding Clip W/ Sealer
Fits: 9mm Hole
Top Head: 12mm X 20mm
Bottom Head: 12mm X 24mm
Stem Length: 14mm
OE:11610495



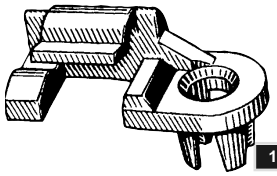
10

724956
Rocker Mlding Clip W/ Sealer
Fits: 9mm Hole
Top Head: 9mm X 20mm
Bottom Head: 14mm X 20mm
Stem Length: 14mm
OE:11546635,11612122



10

724957
Rocker Molding Clip W/ Sealer
Fits: 9mm Hole
Top Head: 9.5mm X 20mm
Bottom Head: 14mm X 20mm
Stem Length: 20mm
OE:11569921,15864780



12

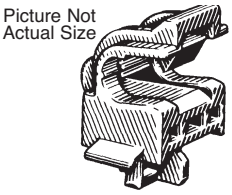
717183
Hood Prop Rod Clips
7/32 Dia.

Nylon

OE:D5ZZ-16828A, D5ZZ-16828B

CLIPS

Illustrations are actual size unless otherwise noted.



6

717646
Hood Prop Rod Clips
8mm Rod Dia.

Nylon

OE:90677-SE0-003



10

725268
Hood Prop Rod Clips
8mm Rod Size
Overall Length: 33mm

Black Nylon
OE:65722-EA000



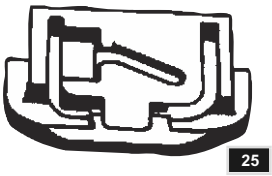
12

725533
Hood Prop Rod Clips
Fits: 7mm Square Hole
Head Size: 15mm
8mm Rod Size
Black Nylon
OE:6N0-823-397-AC



12

725534
Hood Prop Rod Clips
Fits: 7mm Square Hole
Stem Length: 10mm
8mm Rod Size
Natural Nylon
OE:1H0-823-397



25

716409
Moulding Clips
Windshield To Panel (lower) Side

White Nylon
OE:9731301,4005540



50

717219
Moulding Clips
Rear Window Reveal

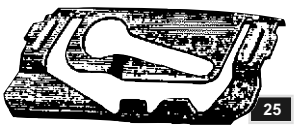
OE:4533699



50

717222
Moulding Clips
Upper & Lower Windshield

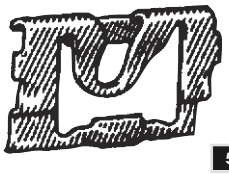
OE:7698976,8763591



25

717223
Moulding Clips
Windshield, Skylight, Rear & Quarter Window

OE:7693140,8736586



50

717226
Moulding Clips
Rear Window

OE:8717859,9854717



12

724701
Moulding Clips
Top Head: 13mm X 14mm
Bottom Head: 16mm
Stem Length: 13mm
Cowl & Dash
OE:90602-SFA-004



12

724702
Moulding Clips W/ Sealer
Top Head: 9mm X 12mm
Bottom Head: 13mm
Stem Dia: 7.5mm
Stem Length: 9mm
OE:91512-SJ6-J01



12

724703
Moulding Clips W/ Sealer
Top Head: 12mm X 17mm
Bottom Head: 16mm X 17mm
Stem Dia: 13mm
Stem Length: 12mm
OE:91512-S50-003



12

724704
Moulding Clips W/ Sealer
Top Head: 12.5mm X 14mm
Bottom Head: 14mm
Stem Dia: 7mm
Stem Length: 8mm
OE:76222-SP1-003



12

724705
Moulding Clips
Fits: 10mm Hole
Head Size: 14mm X 16mm
Stem Length: 12mm
White Nylon
OE:75316-S9A-004



12

724706
Moulding Clips
Top Head: 5mm X 11mm
Bottom Head: 8mm
Stem Dia: 6mm
Stem Length: 7mm
OE:91530-S0A-003



12

724736
Moulding Clips
Stem Length: 10mm
18mm Width; 30.5mm Length
Blue Rubber Boot
White Nylon
OE:51-13-2-251-394

CLIPS

Illustrations are actual size unless otherwise noted.



12

724737
Moulding Clips
Stem Length: 11mm
25.5mm Width; 34mm Length
Blue Rubber Boot
White Nylon
OE:51-13-8-166-675



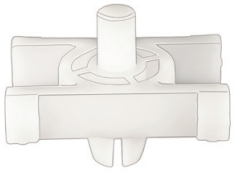
12

724738
Moulding Clips
Stem Length: 11mm
22mm Width; 35mm Length
Blue Rubber Boot
White Nylon
OE:51-13-1-960-054



12

724739
Moulding Clips
Stem Length: 10.5mm
20.5mm Width; 35mm Length
Blue Rubber Boot
White Nylon
OE:51-13-8-231-130



12

724740
Moulding Clips
Stem Length: 6.5mm
21mm Width; 28mm Length
Rocker Panel
White Nylon
OE:51-13-1-829-904,
51-13-6-440-146



12

724741
Moulding Clips
Stem Length: 9.5mm
20.5mm Width; 32mm Length
Door Sill, Whl Housng, Rcker Pnl
White Nylon
OE:51-71-8-184-574



10

724742
Moulding Clips
Overall Hgt: 29mm
30mm Width; 28mm Length
Door Sill & Wheel Housing
White Nylon
OE:51-11-7-160-451



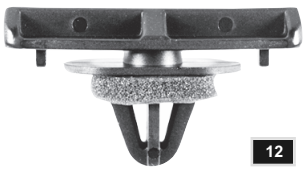
10

724778
Moulding Clips
Top Head: 12mm X 23mm
Bottom Head: 18mm
Stem Length: 11mm
White Nylon



10

724779
Moulding Clips
Head Size: 10mm X 20mm
Stem Length: 14mm
Rocker Panel
Black Nylon
OE:4389940-AB



12

724780
Moulding Clips W/ Sealer
Fits: 8mm Hole
Head Size: 12mm X 38mm
Stem Length: 12mm
Inner Fender
OE:55156655-AA



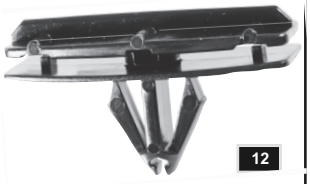
10

724781
Moulding Clips
Flange: 20mm
Stem Dia: 13mm
Stem Length: 12mm
Overall Length: 31mm
OE:68213168-AA



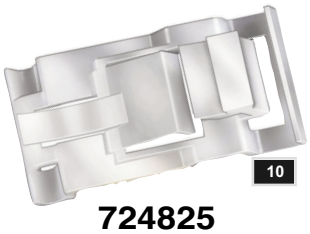
25

724782
Moulding Clips
Head Size: 11.5mm X 21mm
Stem Length: 11mm
Overall Hgt: 17mm
White Nylon
OE:68225214-AA



12

724793
Moulding Clips
Fits: 10mm Hole
Top Head: 14mm X 38mm
Bottom Head: 16mm X 38mm
Stem Length: 14mm
OE:68039280-AA



10

724825
Moulding Clips
18mm Width; 37mm Length
Belt Moulding Clip

White Nylon



10

724826
Moulding Clips
Overall Hgt: 27mm
25mm Width
36mm Length
White Nylon



12

724827
Moulding Clips
Fits: 9mm Hole
Stem Length: 14mm
Top Head: 14mm X 34mm
Bottom Head: 14mm X 33mm



10

724828
Moulding Clips
Fits: 9mm Hole
Head Size: 20mm X 40mm
Stem Length: 14mm
Overall Hgt: 30mm

CLIPS

Illustrations are actual size unless otherwise noted.



10

724829
Moulding Clips W/ Sealer
Top Head: 13mm X 13.5mm
Bottom Head: 12mm X 14mm
Stem Length: 9mm
Windshield Moulding Clip



12

724830
Moulding Clips W/ Sealer
Fits: 9mm Hole
Top Head: 14mm X 18mm
Bottom Head: 18mm X 21mm
Stem Length: 15mm



10

724831
Moulding Clips W/ Sealer
Fits: 9mm Hole
Top Head: 14mm X 18mm
Bottom Head: 14mm X 18mm
Stem Length: 15mm



10

724832
Moulding Clips W/ Sealer
Top Head: 12mm X 20mm
Bottom Head: 15mm X 20mm
Stem Length: 15mm
Rocker Panel
OE:W715201-S300



10

724833
Moulding Clips W/ Sealer
Top Head: 12mm X 20mm
Bottom Head: 12mm X 24mm
Stem Length: 16mm
Bumper
OE:W716497-S300



12

724834
Moulding Clips W/ Sealer
Fits: 9mm Hole
Top Head: 15mm X 20mm
Bottom Head: 20mm X 20mm
Stem Length: 14mm
OE:W716503-S300



10

724835
Moulding Clips
Fits: 9mm Hole
Top Head: 16mm X 23mm
Bottom Head: 17mm
Stem Length: 12mm
OE:W790225-S900



12

724857
Moulding Clips
Head Size: 11mm X 20mm
Overall Height: 13.5mm
Stem Dia: 11mm
White Nylon
OE:W716460-S300



10

724887
Moulding Clips
Top Head: 12mm X 14mm
Bottom Head: 17.5mm X 20mm
Stem Length: 13mm
Rocker Panel
OE:94530385



10

724888
Moulding Clips
Fits: 8mm Hole
Top Head: 11mm X 15mm
Bottom Head: 16mm
Stem Length: 10mm
OE:94530742



10

724889
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 16mm
Bottom Head: 12mm X 20mm
Stem Length: 24mm
OE:25775903



12

724890
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 29mm
Bottom Head: 12mm X 20mm
Stem Length: 10mm
OE:25922739



10

724891
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 20mm
Bottom Head: 12mm X 20mm
Stem Length: 11mm
OE:11571175



10

724892
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 16mm
Bottom Head: 12mm X 20mm
Stem Length: 24mm
OE:25774893



10

724893
Moulding Clips
Fits: 10mm Hole
Head Size: 22mm X 46mm
Stem Length: 17mm
Rocker
OE:25744385



10

724894
Moulding Clips
Fits: 7/16 Hole
Top Head: 15/32 X 25/32
Bottom Head: 1/2 X 25/32
Stem Length: 9/16
OE:10445899

CLIPS

Illustrations are actual size unless otherwise noted.



10

724895
Moulding Clips
Head Size: 13.5mm X 20.5mm
Overall Length: 22mm
M4.2 (no. 8) Screw Size
Windshield Garnish / Int. Trim
OE:11609651



10

724896
Moulding Clip W/Metal Reinfrc
Top Head: 17mm X 20mm
Bottom Head: 14mm X 28mm
Stem Length: 11mm
Windshld Pillar, Interior & Trunk
OE:24405740



10

724897
Moulding Clip W/Metal Reinfrc
Top Head: 17mm X 20mm
Bottom Head: 14mm X 28mm
Stem Length: 12mm
Windshield Pillar & Interior Trim
OE:24405739



10

724898
Moulding Clips W/ Sealer
Fits: 8mm Hole
Top Head: 8mm X 18mm
Bottom Head: 15mm
Stem Length: 13mm
OE:11611375



10

724899
Moulding Clips W/ Sealer
Fits: 10mm Hole
Top Head: 22mm X 45mm
Bottom Head: 25mm X 37mm
Stem Length: 15mm
OE:11611435



10

724900
Moulding Clips
Fits: 7mm Hole
Top Head: 6.5mm X 15mm
Bottom Head: 13mm X 26mm
Stem Length: 8mm
OE:25796285



10

724901
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 20mm
Bottom Head: 12mm X 20mm
Stem Length: 11mm
OE:11562250,11571175



10

724902
Moulding Clips W/ Sealer
Top Head: 12mm X 20mm
Bottom Head: 12mm X 24mm
Stem Length: 16mm
Gray Nylon
OE:11609923



10

724903
Moulding Clips W/ Sealer
Top Head: 7.5mm X 11mm
Bottom Head: 15mm
Stem Length: 14mm
Lower Door & Fender
OE:11611079



12

724904
Moulding Clips
Fits: 9mm Hole
Top Head: 12.5mm X 23mm
Bottom Head: 12.5mm X 23mm
Stem Length: 11mm
OE:11611626



10

724905
Moulding Clips
Fits: 9mm Hole
Top Head: 12.5mm X 20mm
Bottom Head: 18mm
Stem Length: 11mm
OE:11570847



10

724906
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 20mm
Bottom Head: 12mm X 20mm
Stem Length: 10mm
OE:11547210



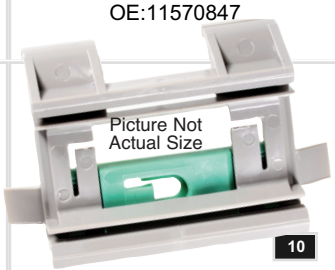
10

724972
Moulding Clips
Top Head: 7.5mm X 10mm
Bottom Head: 9.5mm
Overall Hgt: 16mm
White Nylon
OE:75306-SZA-A01



12

724973
Moulding Clips
Head Size: 13mm X 15mm
Stem Length: 15mm
Fender Trim
White Nylon
OE:75305-SM4-A01



10

724974
Moulding Clips

Tan & Green Nylon
OE:91519-SCV-A01



12

724975
Moulding Clips
Top Head: 8mm X 10.5mm
Bottom Head: 11mm X 16mm
Overall Hgt: 14.6mm
White Nylon
OE:72431-S2X-003

CLIPS

Illustrations are actual size unless otherwise noted.



10

724976
Moulding Clips
Overall Length: 14mm
Overall Hgt: 13mm
13mm Width
Front & Side Door Exterior
OE:75305-SHJ-003

Picture Not Actual Size



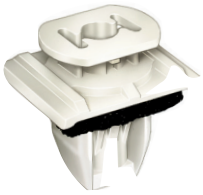
5

724977
Moulding Clips W/ Adhesive
Overall Length: 82mm
8mm Width
Windshield Moulding
Blue Nylon
OE:91570-SZA-305



10

724978
Moulding Clips W/ Sealer
Top Head: 11mm X 13mm
Bottom Head: 15.5mm X 19mm
Stem Dia: 12mm
Stem Length: 19mm
OE:91503-S3Y-003



10

724979
Moulding Clips W/ Sealer
Top Head: 13mm X 17mm
Bottom Head: 19mm X 22mm
Stem Length: 15mm
White Nylon
OE:71591-S5A-000



10

724980
Moulding Clips
Head Size: 19mm
Top Head: 19mm X 24mm
Stem Length: 15mm
Overall Length: 40mm
OE:91578-T0A-003



12

725011
Moulding Clips W/ Sealer
Top Head: 12mm X 16mm
Bottom Head: 16mm
Stem Dia: 9.5mm
Stem Length: 10mm
OE:87703-H1000



12

725012
Moulding Clips W/ Sealer
Top Head: 10mm X 12mm
Bottom Head: 14mm X 20mm
Stem Dia: 14mm
Stem Length: 10mm
OE:87756-1F000



12

725013
Moulding Clips W/ Sealer
Top Head: 10mm X 12mm
Bottom Head: 13mm X 15mm
Stem Length: 11mm
Front Hood
OE:86360-3L000



12

725014
Moulding Clips W/ Sealer
Fits: 9mm Hole
Top Head: 16mm X 20mm
Bottom Head: 15mm
Rocker Moulding
OE:87756-37000



12

725015
Moulding Clips W/ Sealer
Top Head: 10mm X 12mm
Bottom Head: 13mm X 15mm
Stem Length: 11mm
Front Hood
OE:87758-39000



12

725016
Moulding Clips W/ Sealer
Top Head: 12mm X 15mm
Bottom Head: 14mm X 36mm
Stem Dia: 14mm
Stem Length: 10mm
OE:87770-27000



10

725017
Moulding Clips W/ Sealer
Top Head: 10mm X 12mm
Bottom Head: 14mm X 18mm
Stem Length: 10mm
White Nylon
OE:87758-35010



10

725018
Moulding Clips W/ Sealer
Top Head: 11mm X 15.5mm
Bottom Head: 16mm
Stem Length: 12mm
Rocker Moulding
OE:87702-H1000



10

725019
Moulding Clips W/ Sealer
Top Head: 16mm X 18mm
Bottom Head: 18mm X 20mm
Stem Length: 15mm
Blue Nylon
OE:87758-3L000



10

725061
Moulding Clips
Head Size: 18mm X 25mm
Overall Length: 29mm

White Nylon



10

725062
Moulding Clips
Fits: 9mm Hole
Head Size: 15mm
Stem Length: 14mm
White Nylon

CLIPS

Illustrations are actual size unless otherwise noted.



12

725063
Moulding Clips
Top Head: 13mm X 13mm
Bottom Head: 19mm
Stem Length: 10mm
Tail Light Clip
OE:26398-ED000



10

725080
Moulding Clips
Head Size: 8mm X 22mm
Stem Length: 10mm

Black Nylon
OE:87756-2G000



12

725081
Moulding Clips
Top Head: 10mm X 15mm
Bottom Head: 16mm X 18mm
Stem Length: 9mm
White Nylon
OE:86359-33500



12

725082
Moulding Clips W/ Sealer
Top Head: 10.5mm X 9.5mm
Bottom Head: 14mm X 17.5mm
Stem Dia: 14.3mm
Stem Length: 10mm
OE:87719-02500,
87758-3E000, 87759-3E000



10

725083
Moulding Clips W/ Sealer
Top Head: 11mm X 13mm
Bottom Head: 12mm X 20mm
Stem Length: 10mm
Red Nylon
OE:87756-3E500



12

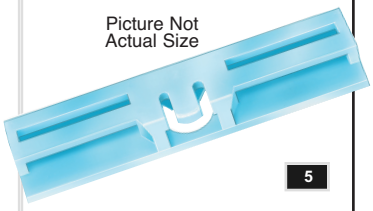
725127
Moulding Clips
Head Size: 10mm X 20mm
Stem Length: 24mm
Overall Length: 27mm
Front & Rear Spoiler
OE:75392-35220



10

725128
Moulding Clips
Head Size: 18mm
Overall Length: 24.5mm

Black Nylon
OE:75393-60030



5

725129
Moulding Clips
Overall Length: 55mm
15mm Width

Blue Nylon
OE:75545-53011



12

725130
Moulding Clips W/ Sealer
Top Head: 11mm X 13mm
Bottom Head: 25mm X 25mm
Stem Length: 14mm
Red Nylon
OE:90467-12072



10

725131
Moulding Clips W/ Sealer
Screw Size: M5.5 (no. 12)
Head Size: 22mm X 18mm
Overall Length: 24mm
Front Bumper
OE:52197-30040



12

725132
Moulding Clips
Top Head: 10mm X 23mm
Bottom Head: 18mm
Stem Length: 10mm
White Nylon
OE:90467-12074



12

725133
Moulding Clips
Top Head: 12mm
Bottom Head: 18mm X 26mm
Stem Length: 10mm
White Nylon
OE:90467-12071



12

725162
Moulding Clips
Top Head: 10mm X 15mm
Bottom Head: 17mm
Stem Dia: 13mm
Stem Length: 9mm
OE:E11451W24



12

725190
Moulding Clips
Head Size: 16mm X 16mm
Overall Length: 21.5mm

White Nylon
OE:001-988-49-81



12

725191
Moulding Clips
Overall Length: 45mm
Overall Hgt: 16mm
11mm Width
45mm Length
OE:006-988-89-78



12

725192
Moulding Clips
Overall Length: 20mm
Overall Hgt: 20mm
19mm Width
White Nylon
OE:124-988-04-78

CLIPS

Illustrations are actual size unless otherwise noted.



12

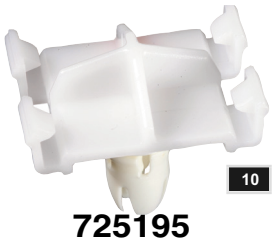
725193
Moulding Clips
Overall Length: 23mm
22.5mm Width

White Nylon
OE:001-988-50-81



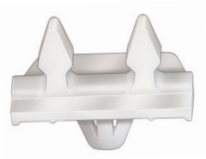
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725194
Moulding Clips
Head Size: 12mm X 16mm
Stem Length: 7mm
Overall Hgt: 16mm
Front Fender
OE:001-988-44-81



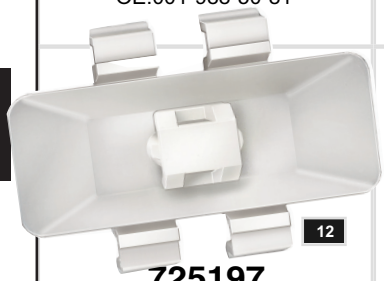
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725195
Moulding Clips
Stem Length: 16mm
Overall Length: 32.5mm
23mm Width
White Nylon
OE:001-988-80-81



12

725196
Moulding Clips
Overall Length: 25mm
Overall Hgt: 21.5mm
18.5mm Width
Front & Rear Door
OE:001-988-46-81



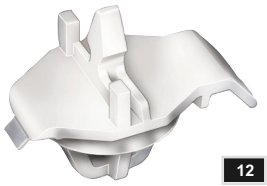
12

725197
Moulding Clips
Overall Length: 48mm
Overall Hgt: 15mm
32.5mm Width
Front & Rear Door
OE:007-988-71-78



12

725198
Moulding Clips
Head Size: 12.5mm X 15.5mm
Stem Length: 7mm
Overall Hgt: 15.5mm
Front Fender
OE:001-988-60-81



12

725199
Moulding Clips
Overall Length: 32mm
Overall Hgt: 25.5mm
19mm Width
Quarter Panel
OE:001-988-63-81



10

725220
Moulding Clips
Fits: 8mm Hole
Top Head: 11.5mm X 19mm
Bottom Head: 21mm
Stem Length: 13mm
OE:07-13-7-073-915



10

725221
Moulding Clips
Top Head: 11mm X 19mm
Bottom Head: 21mm
Stem Length: 11mm
Gray Nylon
OE:07-13-2-757-821



10

725222
Moulding Clips
Top Head: 16mm X 20mm
Middle Head: 18mm
Bottom Head: 23mm
Stem Length: 19mm
OE:07-13-1-480-419



10

725223
Moulding Clips
Top Head: 16mm X 20mm
Middle Head: 18mm
Bottom Head: 23mm
Stem Length: 21mm
OE:51-71-7-127-742



10

725270
Moulding Clips
Fits: 8mm Hole
Top Head: 10mm X 15mm
Bottom Head: 18mm
Stem Length: 12mm
OE:76882-EG01A



12

725271
Moulding Clips
Top Head: 8mm X 15mm
Bottom Head: 15mm
Stem Dia: 5.3mm
Stem Length: 9mm
OE:76988-4N000



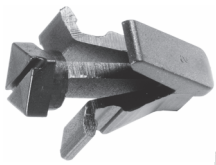
10

725272
Moulding Clips
Top Head: 14mm X 14mm
Bottom Head: 16mm
Stem Length: 10mm
Rocker Moulding Clip
OE:76882-0E700



10

725273
Moulding Clips
Fits: 8.5mm Hole
Top Head: 12mm X 15mm
Bottom Head: 16mm
Stem Length: 12mm
OE:01553-08911



10

725274
Moulding Clips
Overall Hgt: 25mm (1")
Grille Clip

Black Nylon
OE:76882-0M060

CLIPS

Illustrations are actual size unless otherwise noted.



12

725366
Moulding Clips
Top Head: 11mm X 15mm
Bottom Head:14mm X 22.5mm
Stem Length: 13mm
Overall Hgt: 24mm
OE:91059-FC041



12

725367
Moulding Clips
Top Head: 9mm X 11mm
Bottom Head: 14mm X 17mm
Stem Length: 11mm
Upper Front Bumper Exten.
OE:57160-FC010



12

725368
Moulding Clips W/ Sealer
Fits: 9mm Hole
Top Head: 11mm X 14mm
Bottom Head: 17mm
Stem Length: 12mm
OE:91059-FC030



12

725369
Moulding Clips W/ Sealer
Top Head: 11mm X 14mm
Bottom Head: 17mm
Stem Dia: 10mm
Stem Length: 11mm
OE:90913-0008



12

725370
Moulding Clips W/ Sealer
Head Size: 21.5mm X 24mm
Stem Dia: 14.5mm
Stem Length: 17mm
White Nylon
OE:91059-FC110



12

725443
Moulding Clips
Top Head: 8mm X 8mm
Bottom Head: 15mm
Stem Dia: 10mm
Stem Length: 14mm
OE:75819-33010



5

725444
Moulding Clips
Head Size: 43mm X 54mm
Overall Hgt: 26mm
Rocker Panel
Black Nylon
OE:76924-47010



12

725445
Moulding Clips
Overall Hgt: 12.4mm (1/2)
Door & Garnish

White Nylon
OE:67771-58010



12

725446
Moulding Clips
Top Head: 5mm X 10mm
Bottom Head: 18mm
Stem Dia: 10mm
Stem Length: 13mm
OE:75395-0T010



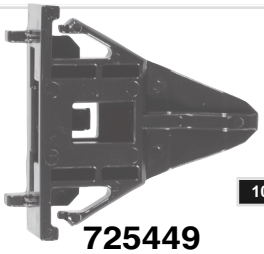
12

725447
Moulding Clips
Fits: 9mm Square Hole
Head Size: 17mm
Stem Length: 8.5mm
Hood & Front/rear Side
OE:90467-11099



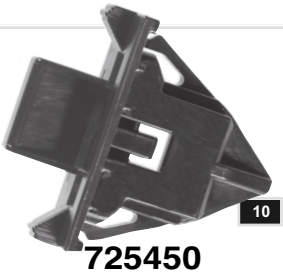
10

725448
Moulding Clips
Top Head: 13mm X 13mm
Stem Length: 22mm
Overall Length: 25mm
White Nylon
OE:52535-0E030



10

725449
Moulding Clips
Top Head: 9mm X 31mm
Overall Hgt: 30mm
Fnt Fnder, Sht Metal, Upper Seal
Black Nylon
OE:61991-35010



10

725450
Moulding Clips
Top Head: 13mm X 31mm
Overall Hgt: 34mm
Fnt Fnder, Sht Metal, Upper Seal
Black Nylon
OE:61992-35010



12

725451
Moulding Clips
Overall Hgt: 21mm
Door, Rear Deck & Roof Garnish
Instrument Panel
Pink Nylon
OE:90467-12080



10

725452
Moulding Clips W/ Sealer
Top Head: 13mm
Bottom Head: 20mm
Stem Length: 10mm
Rear Light Housing Guide
OE:81496-21010



12

725453
Moulding Clips
Overall Hgt: 14mm
Rear Hatch Door Side Garnish
Front Body Pillar Garnish
White Nylon
OE:90467-09204

CLIPS

Illustrations are actual size unless otherwise noted.



10

725454
Moulding Clips
Fits: 10 X 10mm
Head Size: 23mm X 28mm
Stem Length: 14mm
Rocker
OE:90467-12073



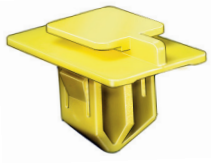
10

725455
Moulding Clips W/ Sealer
Head Size: 24mm
Overall Length: 24mm
Rear Door, Hatch Garnish
Luggage Compartment
OE:76817-12060



10

725456
Moulding Clips W/ Sealer
Fits: 8mm Hole
Head Size: 18mm
Stem Length: 13mm
White Nylon
OE:75867-AC020



10

725457
Moulding Clips
Fits: 10 X 10mm Hole
Top Head: 11mm X 13mm
Bottom Head: 15mm X 25mm
Stem Length: 14mm
OE:90467-12075



12

725510
Moulding Clips
Fits: 8mm Hole
Top Head: 16mm
Middle Head: 17.5mm
Bottom Head: 17mm
OE:30624192



12

725511
Moulding Clips
Fits: 8mm Hole
Top Head: 15mm X 17mm
Bottom Head: 9mm X 16mm
Stem Length: 11mm
OE:30784514



12

725536
Moulding Clips
Top Head: 11.6mm X 15mm
Bottom Head: 11mm
Stem Dia: 6mm
Stem Length: 14mm
OE:191-853-577-A



10

725537
Moulding Clips
Stem Length: 10mm
Overall Length: 38.5mm
34mm Width; Door
With Blue Rubber Grommet
OE:1H0-853-585



10

725538
Moulding Clips
Stem Length: 18mm
Overall Length: 38.5mm
34mm Width; Door
With Blue Rubber Grommet
OE:1H0-853-585-B



10

725539
Moulding Clips
Stem Length: 11mm
Overall Length: 40mm
23mm Width; Quarter Panel
With Blue Rubber Grommet
OE:1H0-853-585-A



12

725540
Moulding Clips
8mm Width
Overall Length: 31mm

White Nylon
OE:191-853-733-A



10

725541
Moulding Clips
24.5mm Width
Stem Length: 12mm
Overall Length: 27mm
With Blue Rubber Grommet
OE:3B0-853-576



12

725542
Moulding Clips
16mm Width
Stem Length: 13mm
Overall Length: 17mm
With Blue Rubber Grommet
OE:3A0-853-575-A



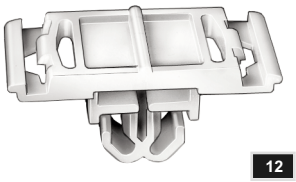
12

725543
Moulding Clips
17.5mm Width
Stem Length: 12mm
Overall Length: 21mm
With Blue Rubber Grommet
OE:3B0-853-575



12

725544
Moulding Clips
20mm Width
Overall Length: 41.5mm
Frnt Door, Fender, Quarter Panel
Natural Nylon
OE:443-853-909-A



12

725545
Moulding Clips
22mm Width
Overall Length: 35mm
Overall Hgt: 16mm
Frnt Door, Fender, Quarter Panel
OE:4A0-853-825

CLIPS

Illustrations are actual size unless otherwise noted.



12

725546
Moulding Clips
22mm Width
Overall Length: 35mm
Front & Rear Door
White Nylon
OE:4A0-853-825-A



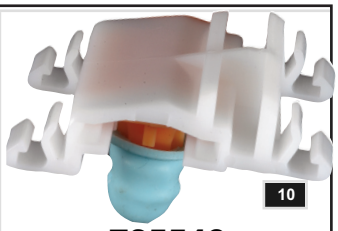
12

725547
Moulding Clips
Head Size: 12mm X 15mm
Stem Dia: 10mm
Stem Length: 19mm
Door & Trim Scuff Plate
OE:191-853-577



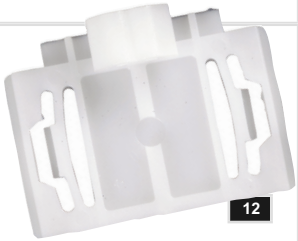
12

725548
Moulding Clips
Fits: 10mm Hole
10mm Wide, Stem Lngth: 11mm
Overall Length: 28.5mm
Rocker Panel
OE:7L0-839-069



10

725549
Moulding Clips
35mm Wide; Stem Lngth: 14mm
Overall Length: 38mm
Door, Fender, Quarter Panel
W/ Blue Rubber Boot
OE:3A0-853-575



12

725550
Moulding Clips
26mm Width, Stem Length: 6mm
Overall Length: 34.5mm
Rear Door
White Nylon
OE:4A0-853-825-C



12

725579
Moulding Clips
25mm Width
Overall Length: 40mm
8mm Thickness
White Nylon
OE:6Q0-868-246-A



12

725580
Moulding Clips
Fits: 9mm Hole
Top Head: 13mm X 16mm
Bottom Head: 14mm
Stem Length: 13mm
OE:3C0-853-585



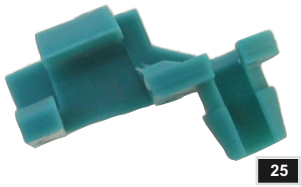
25

717608
Trim Panel Clips
OE:MB-178894



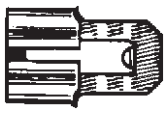
25

717707
DOOR LATCH LOCKING Push Rod Clip
5/32 Rod Diameter
Right Side
Red Nylon
OE:3454220,4658676



25

717708
DOOR LATCH LOCKING Push Rod Clip
5/32 Rod Diameter
Left Side
Green Nylon
OE:3454221,4658677



25

717719
Door Lock Rod Clips
OE:12337868,14051674, 4234830



1

721049
Door Lock Rod Clips
Right Hand
White Pawl
OE:YL3Z-1521970-AA



10

721051
Door Lock Rod Clips
5/32 Rod Diameter
Gray Nylon
OE:16629990,16675980



6

724546
Door Lock Rod Clips
Fits: 7mm Hole
Right Hand Side
3mm (1/8) Rod Size
White Nylon
OE:124-990-04-92



6

724556
Door Lock Rod Clips
Fits: 7mm Hole
Left Hand Side
3mm (1/8) Rod Size
Blue Nylon
OE:6506807-AA

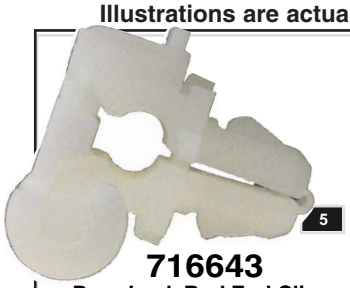


10

725441
Door Lock Rod Clips
Fits: 8mm Hole
Overall Hgt: 20mm
5mm Rod Size
Natural Nylon
OE:69293-30030

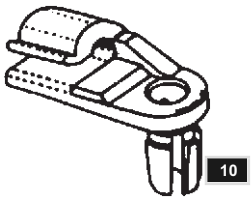
CLIPS

Illustrations are actual size unless otherwise noted.



716643
Door Lock Rod End Clips
5/32 Rod Diameter
2-piece Fold Over

White Nylon
OE:E6DZ-5421952-A, E83Z-5421952-B



716644
Door Lock Rod End Clips
5/32 Rod Diameter

Yellow Nylon

OE:390523-S, E6AZ-5421952-A



716647
Door Lock Rod End Clips
5/32 Rod Diameter
Right Side
Black Nylon

OE:20582532,20633148



717709
Door Lock Rod End Clips
Right Side

OE:3760130



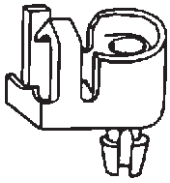
717710
Door Lock Rod End Clips
Left Side

OE:3760131



717713
Door Lock Rod End Clips
.186 Rod Diameter

OE:3081052,469716



717714
Door Lock Rod End Clips
.156 Rod Diameter
.140 Panel Thickness

OE:20008799



717716
Door Lock Rod Retaining Clips
3/8 Rod Diameter
Right Side

OE:20158344,378668,469718



725020
Moulding Grommets
Head Size: 17mm X 25mm
Stem Length: 16mm
M4.2 (No. 8) Screw Size
Yellow Nylon
OE:87759-27000



725021
Moulding Retainers W/ Sealer
Screw Size: M3.5 (No. 6)
Head Size: 13mm X 13mm
Stem Dia: 12mm
Stem Length: 10mm
OE:87756-26900



724743
Moulding Nuts
Flange: 16mm
Overall Hgt: 11mm
5mm Stud Size; 10mm Hex
Nylon Flange Nut
OE:16-13-1-176-747, 003-990-02-51

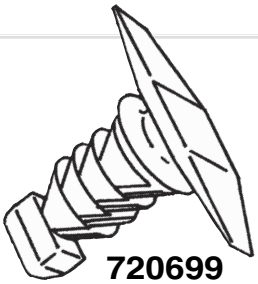


716320
Trim Panel Clips
19mm Head; 34mm Overall Len.
1.75-20mm Panel Range
Fits: 7mm Hole
Natural Nylon
OE:1699250



716310
Retaining Clips
6.3mm X 9mm
14mm Head
Various Front End Fascia

OE:N-803857-S



720699
Retaining Clips
Fits: 5mm Hole
Weatherstrip



725291
Retaining Clips
Head Size: 14mm
Stem Dia: 9.5mm
Stem Length: 16mm
Black Nylon
OE:01553-02253, 90467-090-6901

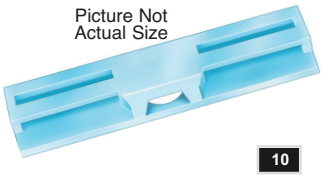


724856
Windsheild Moulding Clips
Head Size: 14.5mm X 30mm
Bottom Leg Width: 26mm

White Nylon

CLIPS

Illustrations are actual size unless otherwise noted.



725144
Windshield Clips
15mm Width
Overall Length: 55mm

Blue Nylon
OE:75545-53010,75545-53011



725275
Windshld Garnish Molding Clip
Fits: 7-12mm Hole
Overall Length: 44mm
Windshield Garnish
OE:76988-3DN0A

DOOR HINGE

Illustrations are actual size unless otherwise noted.



25

717166
Door Hinge Bushings
5/16 ID
13/32 OD
9/32 Height

OE: D1AZ-6522841A, 9721917



25

717238
Door Hinge Bushings
5/16 ID
1/2 OD
23/64 Height
Splined OD

OE:20429500



25

717387
Door Hinge Bushings
5/16 ID
31/64 OD
9/32 Height

OE:D90Z-6522841A



1

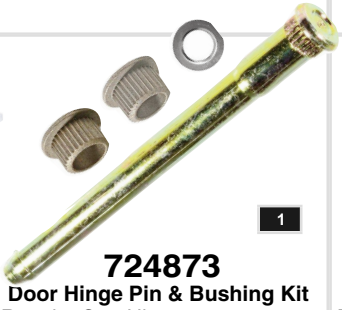
724871
Door Hinge Pin & Bushing Kit
Repairs One Hinge



1

724872
Door Hinge Pin & Bushing Kit
Repairs One Hinge
Greaseable Stainless Steel

OE:19260056



1

724873
Door Hinge Pin & Bushing Kit
Repairs One Hinge



1

724874
Door Hinge Pin & Bushing Kit
Repairs One Hinge
Greaseable Stainless Steel



1

724875
Door Hinge Pin & Bushing Kit
Repairs One Hinge
Greaseable Stainless Steel



5

717256
Door Hinge Pins
4-5/32 Length
11/32 Dia.
15/32 Head OD
Zinc & Yellow

OE:12338015,14066728



12

717397
Door Hinge Pins
5-1/4 Length
11/32 Dia.
3/8 Shoulder OD
9/16 Head OD

OE:15591860,15691595,
15967691,88891731



2

720999
Door Hinge Pins
4-1/8 Length
11/32 Dia.
3/8 Shoulder OD
1/2 Head OD

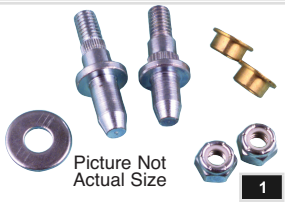
OE:15653790



10

721055
Door Hinge Pins
3-3/8 Length
11/32 Dia.
9/16 Head Dia.
Zinc Plated

OE:D9ZZ-6643030-AA



1

723290
GM Truck Door Hinge Pins & Bushing Repair Kit

OE:89025539



1

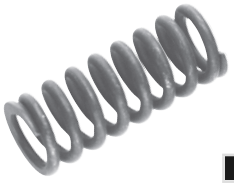
724481
Door Hinge Repair Kit
Forged Pins W/ Dacromet



1

724876
Door Hinge Roller Kit
Repairs One Hinge
Greaseable Stainless Steel

OE:19260063



1

717461
GM Door Hinge Springs
Spring Compressor May Be Needed For Install.

DOOR HINGE

Illustrations are actual size unless otherwise noted.



717364
Side Dr Lower Hinge Bushings
25-64 ID
17/32 OD
23/64 Height
Splined OD
OE:15562609,15964972, 16632192



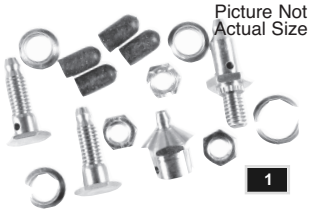
717363
Side Dr Upper Hinge Bushings
11/32 ID
43/64 OD
23/64 Height
Splined OD
OE:12338074,15691493, 15964971,16632193



724881
Hinge Pin & Bushing Kit
Repairs 2 Side Cargo Doors
Greaseable Stainless Steel
OE:19260663



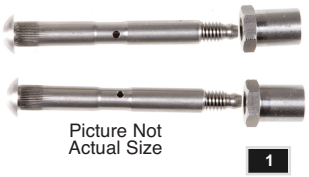
724882
Hinge Pin & Bushing Kit
Repairs 2 Hinges
Stainless Steel



724883
Hinge Pin & Bushing Kit
Repairs 2 Hinges
Greaseable Stainless Steel
OE:19260061



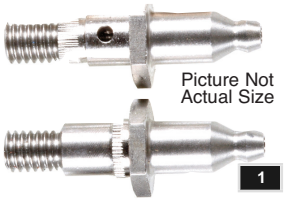
724884
Hinge Pin & Bushing Kit
Repairs 2 Hinges
Stainless Steel



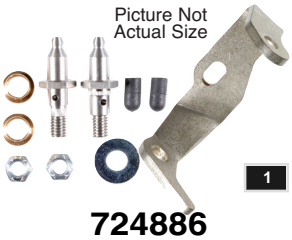
724776
Hinge Pin & Nut Kit
Tailgate Repair
Greaseable Stainless Steel
Repairs Two Hinges



724777
Hinge Pin & Nut Kit
Door Hinge Repair
Greaseable Stainless Steel
Repairs Two Hinges



724885
Hinge Pin Bushing & Bracket Kit
Repairs 1 Hinge
Greaseable Stainless Steel
W/bracket
OE:19260060



724886
Hinge Pin Bushing &
Repairs 1 Hinge
Greaseable Stainless Steel
W/bracket
OE:19260058

GROMMETS

Illustrations are actual size unless otherwise noted.



10

724924
Retainers
Fits: 11mm
Head Size: 16mm
Stem Length: 16mm
Overall Length: 20mm
OE:11570830



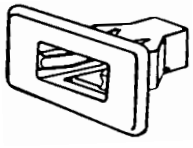
10

724732
Grommet / Retainers
Top Head: 12.5mm X 15mm
Bottom Head: 15mm X 17mm
Stem Length: 14mm
Overall Length: 18mm
OE: 51-41-015-44-20, 51-41-700-16-29, 51-45-030-47-03, 51-45-816-52-60



10

724733
Grommet / Retainers
Head Size: 15mm X 17mm
Stem Length: 13mm
Overall Length: 15mm
Clear Nylon
OE:51-45-8-161-557



5

716844
Tail Lamp Retaining Grommet
14mm W, 19mm L
Fits: 8 X 12mm Hole
5mm Or #10 Screw



10

720938
Cowl Screw Grommets
Fits: 10 X 15mm Hole
4.8mm (No. 10) Screw

Blue Nylon
OE:55799-12010



10

720982
Bumper Grommets
No. 10 Screw

Black Nylon
OE:90107-SX0-003



10

720985
Fender Lining Screw Grommet
15mm Stem
18mm Head Dia.
Fits: 9mm Square Hole
5.5mm Screw
OE:90189-06104



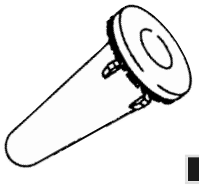
10

720986
Fender Lining Screw Grommet
22mm Stem
20mm Head Dia.
Fits: 8 X 8mm Hole
5.5mm Screw
OE:90189-06157



10

720987
Fender Lining Screw Grommet
18mm Stem
16mm Head Dia.
5.5mm Screw
Black Nylon
OE:90189-06214



7

723206
Moulding Grommets
15.5mm Flange
21.5mm Overall Length
1.5mm Panel Range
Fits: 9mm Hole
OE:MR478263



12

724734
Interior Trim Grommets
Head Size: 17mm X 19mm
Stem Length: 9mm

Red Nylon
OE:51-45-8-266-814



12

724773
Door Panel Grommets
Fits: 9mm Hole
Head Size: 19mm
Stem Length: 12mm
Green Nylon
OE:4784018-AA



10

724774
Grommets
Fits: 9mm Hole
Head Size: 15mm
Stem Length: 21mm
Overall Length: 25mm
OE:4806271-AA



5

724820
Bumper Grommets
Fits: 17 X 20mm Hole
Head Size: 27mm X 30mm
Stem Length: 32mm
Rear Bumper Grommet W/seal
OE:3M8Z-16K262-A, GJ6A-50-ES1



12

724853
Tail Lamp Grommets
Head Size: 13mm X 17mm
Stem Length: 10mm

Black Nylon
OE:W711079-S300



12

724944
Grommets
Head Size: 13.5mm
Overall Length: 14mm
Door Glass To Regulator Grommet
OE:25803643

GROMMETS

Illustrations are actual size unless otherwise noted.



10

725161
Grommets
Diameter: 25mm
Stem Dia: 22mm

Black Nylon
OE:GS3L-68-615



12

725262
Bumper Grommets
Screw Size: M5.5 (No. 12)
Overall Length: 22mm
Bumper Screw Grommet
Natural Nylon
OE:01281-01321



12

725263
Bumper Grommets
Screw Size: M4.8 (No. 10)
Head Size: 20mm
Stem Length: 16mm
Overall Length: 22mm
OE:63846-5V000



12

725267
Grommets
Fits: 11mm Hole
Head Size: 20mm
Stem Length: 13mm
Grille
OE:01281-0005U



10

725276
Moulding Grommets W/ Sealer
Fits: 8mm Hole
Screw Size: M4.2 (No. 8)
Head Size: 14mm
Stem Length: 8mm
OE:01553-02913



10

725277
Moulding Grommets W/ Sealer
Screw Size: M5.5 (No. 12)
Head Size: 15.4mm X 19mm
Stem Length: 15mm
Yellow Nylon
OE:76848-71S00



12

725352
Moulding Grommets
Overall Hgt: 16mm
20mm Overall Width

Black Nylon
OE:4A0-805-163



12

725363
Grommets
Fits: 7mm Hole
Head Size: 14mm
Stem Length: 7mm
Cowl & Dash Grommet
OE:91486-KJ000



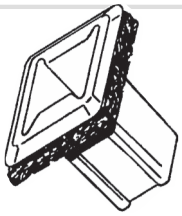
25

725551
Moulding Grommets
Flange: 13mm
Overall Length: 12mm
7mm ID
Blue Rubber
OE:1H0-853-586



25

716795
Grommets W/ Sealer
Fits: 8mm Square Hole
13mm Head Dia.
5mm Screw
Natural Nylon
OE:01281-00022



7

723385
Cowl Vent Grommets W/Sealer
13mm Stem Length
13 X 13mm Head
1mm Panel Range
14mm Overall Length
OE:80874-0P000



6

724552
Spoiler Grommets W/ Sealer
Head Dia: 12 X 16mm
Stem Dia: 14mm
Back Glass Lwr & Quarter Glass Molding, Black Nylon
OE: MB645307



10

724945
Grommets W/ Sealer
Head Size: 24mm
Stem Length: 22mm
Overall Hgt: 24.5mm
Tail Light
OE:11561987



10

724947
Grommets W/ Sealer
Fits: 7mm Hole
Head Size: 12mm X 14.5mm
Stem Length: 15mm
Trim Panel
OE:10351052



12

724948
Grommets W/ Sealer
Fits: 9mm Hole
Flange: 24mm
Stem Length: 12mm
Trim Panel
OE:11561500



12

725296
Grommets W/ Sealer
Head Size: 14mm X 18mm
Stem Length: 13mm

White Nylon
OE:01553-02923

GROMMETS

Illustrations are actual size unless otherwise noted.



12

725364
Grommets W/ Sealer
Fits: 8mm Hole
Head Size: 17.5mm
Stem Length: 15mm
Cowl Top, Quarter Glass, Ext.
OE:91167-AA000

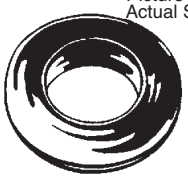
Picture Not Actual Size



10

717110
Rubber Grommets
3/16 ID
1/16 Groove Width
5/16 Groove Diameter
1/2 Outside Diameter

Picture Not Actual Size



10

717111
Rubber Grommets
1/4 ID
1/16 Groove Width
3/8 Groove Diameter
1/2 Outside Diameter

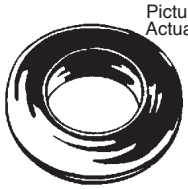
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10

717112
Rubber Grommets
5/16 ID
1/16 Groove Width
7/16 Groove Diameter
9/16 Outside Diameter

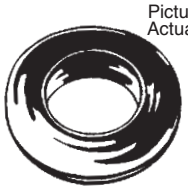
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10

717113
Rubber Grommets
3/8 ID
1/16 Groove Width
5/8 Groove Diameter
7/8 Outside Diameter

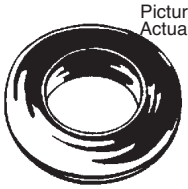
Picture Not Actual Size



10

717114
Rubber Grommets
1/2 ID
1/8 Groove Width
3/4 Groove Diameter
1” Outside Diameter

Picture Not Actual Size



10

717115
Rubber Grommets
5/8 ID
1/8 Groove Width
7/8 Groove Diameter
1-1/8 Outside Diameter



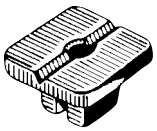
10

716790
Screw Grommets
13mm W, 13mm L
Fits: 8.5mm Square Hole
5mm Screw
Natural Nylon
OE: 75521-611-0000, 90189-06010, 96706-P0105, 9991-00-601



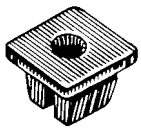
25

716792
Screw Grommets
12mm W, 12mm L
Fits: 8mm Square Hole
5mm Screw
Natural Nylon
OE:9991-00-501



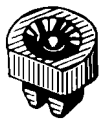
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716794
Screw Grommets
17mm W, 17mm L
Fits: 8mm X 8.5mm Hole
5mm Screw
Natural Nylon
OE:90662-671-0030, 68425-H5000,9991-00-503



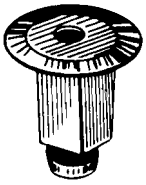
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716798
Screw Grommets
13mm W, 15mm L
Fits: 8.5mm X 10.5mm Hole
6mm Screw
Natural Nylon
OE:90656-671-6310M1



10

716839
Screw Grommets
Fits: 7 X 7mm Hole
13mm Head Dia.
4mm Screw
Natural Nylon
OE:9991-00-403



10

716845
Screw Grommets
21mm Stem
18mm Head Dia.
Fits: 8.5mm Square Hole
6.3-1.81mm Screw
OE:90189-06003



10

716846
Screw Grommets
17mm Stem
20mm Head Dia.
Fits: 8mm Hole
6.3-1.81mm Screw
OE:90189-06013, 90189-06065, 96706-W1000



10

716848
Screw Grommets
16mm Stem
Fits: 6mm Square Hole
13.5mm Head Dia.
4mm Screw
OE:MB106212,01281-00151, 01281-00161, 790184000, 90672-671-811, 96706-H9400, 96706-K1300, 96706-K1351



10

716850
Screw Grommets
16mm Stem
9.5mm W, 9.5mm L
Fits: 7mm Square Hole
3mm Screw
OE:9991-00-402, 96706-89901

GROMMETS

GROMMETS

Illustrations are actual size unless otherwise noted.



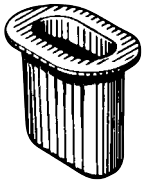
5

716852
Screw Grommets W/ Sealer
12mm Stem
15mm W, 15mm L
Fits: 7mm Square Hole
3mm Screw
OE:90675-SA6-0030



10

716855
Screw Grommets
10mm Stem
14mm Head Dia.
Fits: 7mm Square Hole
3mm Screw
OE:90662-693-003, 90189-04066



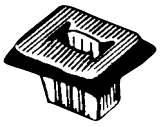
10

716856
Screw Grommets
17mm Stem
12mm W, 19mm L
Fits: 8 X 15mm Hole
5mm Screw
OE:90683-693-0000, 78856-R4301



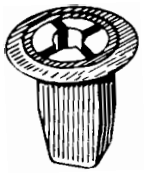
10

716857
Screw Grommets
17mm Stem
16mm Head Dia.
Fits: 8mm Square Hole
4mm Screw
OE: 90661-SC7-003,01651-00481, 74798-S9000,90189-06042, H001-50-841,MS-480012



10

716858
Screw Grommets W/ Sealer
10mm Stem
11mm W, 14mm L
Fits: 7 X 10mm Hole
3mm Screw
OE:90668-688-0030



10

716864
Screw Grommets
17mm Stem
18mm Head Dia.
Fits: 8.5mm Square Hole
5mm Screw
OE:01281-00028,90189-06001, MB-098145



10

716867
Screw Grommets
15mm Stem
Fits: 7mm Square Hole
10mm W, 10mm L
3mm Screw
OE:90189-04007



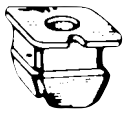
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716870
Screw Grommets
9.5mm W, 9.5mm L
Fits: 6mm Square Hole
4mm Screw
White Nylon
OE:34301-692A-0000



25

717611
Screw Grommets
9.5mm W; 9.5mm L
Fits: 7mm Square Hole
4mm Screw
White Nylon
OE: 75522-611-0000, 97606-B0700, 9991-00-412, MS-480001



100

718682
Screw Grommets
Fits: 5/16 Square Hole
No. 8 Screw



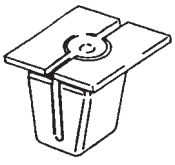
12

720981
Screw Grommets
10mm Stem
16mm Head Dia.
Fits: 12mm Hole
Tail Light Housing
OE:6504072



10

720989
Splash Shield Screw Grommet
15mm Stem
18 X 20mm Head
5.5mm Screw
Black Nylon
OE:KA78-50-AF4



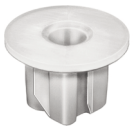
7

723049
Screw Grommets
Fits: 10 X 13.5mm Hole
20mm Square Flange
4.2mm Screw
Hdlmp Mount At Grille Opening
OE:YS4Z-13N129-AA



12

723155
Screw Grommets
14mm Flange
0.7 - 2.5mm Panel Range
Fits: 9mm Square Hole
Front Bumper
OE:1318908-9



12

724030
Screw Grommets
16mm Flange
11mm Overall Length
Fits: 8.5mm Square Hole
1.5mm Panel Range
OE:01281-00831



12

724709
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 16mm X 16mm
Stem Dia: 7mm
Stem Length: 7mm
OE:90107-S0X-A01

GROMMETS

Illustrations are actual size unless otherwise noted.



5

724844
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 15mm X 27mm
Stem Length: 13mm
Cowl Vent
OE:3M8Z-17C432-A, GK2A-50-798



12

724845
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 16mm
Stem Length: 24mm
Front Bumper
OE:W708319-S300



12

724846
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 11.5mm X 11.5mm
Stem Length: 18mm
Side Marker/ Tail Light / Bump
OE:W708580-S300



10

724848
Screw Grommets W/ Sealer
Head Size: 15mm X 15mm
Stem Length: 22mm
M6.3-1.81 (No.14) Screw Size
License Plate & Tail Light
OE:W711031-S300



10

724940
Specialty Grommets
Head Size: 15mm X 18mm
Stem Length: 23mm
M6.3 (1/4 Or No. 14) Screw Size
Rear Bumper Screw W/seal
OE:25704358



10

725038
Screw Grommets
Head Size: 18mm
Stem Length: 21mm
M4.8 (No. 10) Screw Size
Natural Nylon
OE:86910-21010



12

725039
Screw Grommets W/ Sealer
Screw Size: M4.8 (No. 10)
Top Head: 14mm X 18mm
Bottom Head: 18mm
Stem Length: 18mm
OE:86625-3S000



12

725139
Screw Grommets
Head Size: 17.5mm X 30mm
Stem Length: 10mm
M5.5 (No. 12) Screw Size
White Nylon
OE:52535-30150



12

725140
Screw Grommets
Fits: 7mm X 7mm Hole
Screw Size: M2.9 (No. 4)
Head Size: 9mm X 9mm
Stem Length: 14mm
OE:90189-04207



10

725170
Screw Grommets W/ Sealer
Screw Size: M4.2 (No. 8)
Head Size: 20mm
Stem Length: 15mm
White Nylon
OE:GJ6A-58-975



10

725292
Screw Grommets W/ Sealer
Screw Size: 4.2 (No. 8)
Head Size: 16mm
Stem Length: 20mm
Natural Nylon
OE:01281-00691



10

725293
Screw Grommets W/ Sealer
Screw Size: M3.5 (No. 6)
Head Size: 9.5mm X 9.5mm
Stem Length: 16mm
White Nylon
OE:01281-00501



10

725294
Screw Grommets W/ Sealer
Screw Size: M6.3-1.81 (No. 14)
Head Size: 15mm X 19mm
Stem Length: 16mm
Brown Nylon
OE:01553-2U001, 26557-2U001



12

725401
Screw Grommets
Fits: 7mm Square
Screw Size: M4.8 (No. 10)
Head Size: 12mm
Stem Length: 15mm
OE:90930-0015



12

725402
Screw Grommets
Fits: 8mm Square Hole
Screw Size: M4.8 (No. 10)
Head Size: 13mm
Stem Length: 8mm
OE:94081-FA010



12

725403
Screw Grommets
Fits: 8mm Square Hole
Screw Size: M3.5 (No. 6)
Head Size: 11 X 11mm
Stem Length: 10mm
OE:62731-FA010

GROMMETS

Illustrations are actual size unless otherwise noted.



12

725404
Screw Grommets W/ Sealer
Screw Size: M4.8 (No. 10)
Head Size: 16mm X 16mm
Stem Length: 19mm
Rear Bumper Reinforce Beam
OE:57750-FC010



10

725405
Screw Grommets W/ Sealer
Screw Size: M5.5 (No. 12)
Head Size: 20mm
Stem Length: 18mm
OE:91084-AA010



10

725482
Screw Grommets
Fits: 9mm X 9mm Hole
Screw Size: M5.5 (No. 12)
Head Size: 20mm
Stem Dia: 22mm
OE:90189-06177



12

725483
Screw Grommets
Fits: 9mm X 9mm Hole
Screw Size: M5.5 (No. 12)
Head Size: 20mm
Stem Length: 17mm
OE:90189-A0002



10

725484
Screw Grommets
Fits: 9mm X 9mm Hole
Screw Size: M5.5 (No. 12)
Head Size: 16mm
Stem Length: 16mm
OE:90189-06145



12

725485
Screw Grommets W/ Sealer
Fits: 7mm Square Hole
Screw Size: M3.2 (No. 6)
Head Size: 10mm X 10mm
Stem Length: 15mm
OE:90189-04102



12

725574
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 7mm X 12.5mm
Stem Length: 11mm
Black Nylon
OE:811-807-577-C



12

725575
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 12mm
Stem Length: 12.5mm
Black Nylon
OE:867-809-966



12

725576
Screw Grommets
Screw Size: M4.2 (No. 8)
Head Size: 11mm
Stem Length: 13mm
Natural Nylon
OE:165-827-592



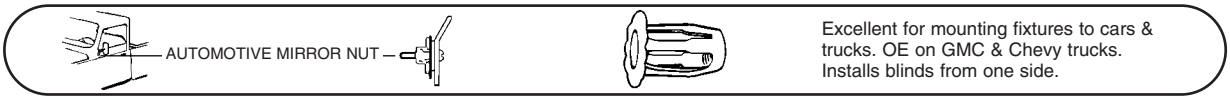
12

725577
Screw Grommets
Fits: 6.5 X 8mm Hole
Screw Size: M4.8 (No.10)
Head Size: 12mm
Stem Length: 15mm
OE:6N0-809-966A

NUTS

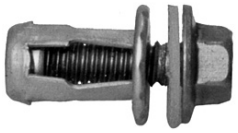
EXPANSION NUT KITS (REAR VIEW MIRROR KIT)

Expansion nut kits are perfect for use in thin materials where wood and sheet metal screws will not hold.



Excellent for mounting fixtures to cars & trucks. OE on GMC & Chevy trucks. Installs blinds from one side.

EXPANSION NUT KIT



Contains 25 ea. of 717165 nuts and 717034 stainless steel screws.

OE: 367292

Part No. 717033 25

REPLACEMENT STAINLESS STEEL SCREW



Special stainless steel screw with nylon washer that will not rust.

OE: 367291

Part No. 717034 25

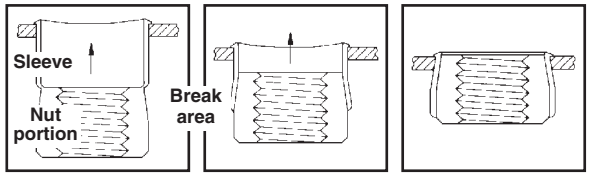
Instructions:

1. Drill (7/16") hole. **2.** Insert nut, flange side out. **3.** Insert screw and tighten to collapse legs of nut. **4.** Remove bolt, mount fixture and retighten. Thread size of nut 1/4"- 20. Hole size required 7/16".

HEAVY DUTY STEEL CLINCH-NUTS®

- **Strong load bearing threads.**
- **Install in practically any material.**
- **Use in any thickness material, from .030 to infinity.**

Clinch-nut installation



Clinch-Nuts are a one-piece design consisting of a nut portion and a sleeve portion.

A rotating tool mandrel exerts a pull and "breaks" the nut portion from the sleeve drawing it into the sleeve.

The nut portion expands the sleeve exerting a 360° swage fit against the parent material.

HEAVY DUTY INSTALLATION TOOL



Part No. 503115

- **Simple to use.**
- **Adapters allow installation of any size Clinch-Nuts or Rivet-Nuts.**
- **Order adapters separately.**

STEEL CLINCH-NUT PART NUMBER	QTY	THREAD SIZE	MATERIAL THICKNESS .030-.090 DRILL	.091-.124 DRILL	.125-.186 DRILL	.187-OVER DRILL	HEAVY DUTY ADAPTER PART NUMBER	LIGHT DUTY TOOL ONLY* PART NUMBER
503110	25	6-32	7/32	No.2	No.1	No.1	**503150**	**---**
503111	25	8-32	1/4	"F"	17/64	17/64	**503151**	**503176**
503112	25	(10-24)3/16	9/32	"L"	"L"	19/64	**503152**	**503177**
503113	25	(10-32)3/16	9/32	"L"	"L"	19/64	**503153**	**503178**
503114	25	1/4-20	3/8	3/8	"W"	25/64	**503154**	**503179**
503121	25	5/16-18	1/2	1/2	33/64	33/64	**503155**	**503180**

*** Sizes no. 6 & 8 supplied with hex key, sizes 10 thru 5/16 require std. socket wrench.**

CLINCH-NUT



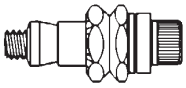
Part No. 503121

LIGHT DUTY INSTALLATION TOOL



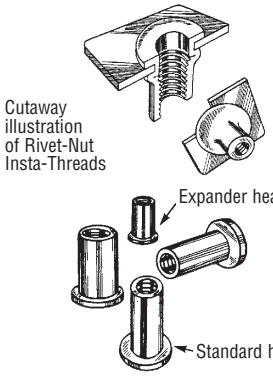
- **A unique time & money saver.**
- **Makes quick, quality repairs in the field.**
- **For the frequent user, use Tool Part No. 503115.**

HEAVY DUTY CLINCH-NUT INSTALLATION TOOL ADAPTERS



Pre-assembled hex nose piece assemblies and "Quick Change" tool nose piece holder make installation fast and easy.

RIVET-NUT BLIND THREADED RIVETS



- **Perfect for use in light-gauge materials of metal, plastic and rigid composition. Material previously too thin to tap threads can now be accommodated.**
- **A Rivet-Nut is a tubular rivet with internal threads. It can be installed from one side in seconds. Once a Rivet-Nut is installed, it is ready to use with clean threads available for screw attachments. Used for materials .010 through .125 in. thickness.**
- **The Rivet-Nut Insta-Threads are available in standard heads, which are surface mounted and extend slightly above the material in which they are installed. Also available are the expander heads (small flathead), which may be used for flush or 120° countersunk installations or wherever a smaller head may be required.**

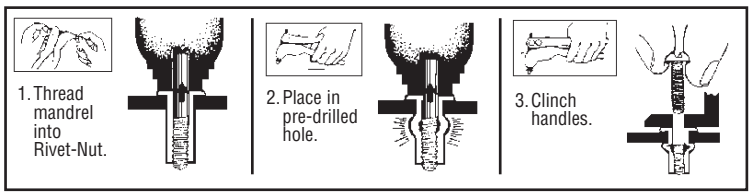
PROPER TOOL SELECTION

- **Both Rivet-Nut tool, H.D. Clinch-Nuts and light duty installation tools will install all threaded inserts, Clinch-Nuts or Rivet-Nuts. However, due to the design of each type of threaded insert, we recommend that the Clinch-Nut tool or light duty tool be used for Clinch-Nut installation and that the Rivet-Nut tool be used for Rivet-Nut Insta-Thread installations.**

	STANDARD HEAD LARGE FLANGE		EXPANDER SMALL FLANGE					
THREAD SIZE (PITCH)	STEEL PART NUMBER	ALUM PART NUMBER	STEEL PART NUMBER	ALUM PART NUMBER	DRILL SIZE	GRIP RANGE	H.D. CLINCH-NUT TOOL	LIGHT DUTY INSTALLATION TOOL ADAPTER
6-32	**503914**	**503930**	**503921**	**503937**	3/16		**503150**	**---**
8-32	**503915**	**503931**	**503922**	**503938**	7/32	.010" min.	**503151**	**503176**
10-24	**503916**	**503932**	**503923**	**503939**	1/4	to	**503152**	**503177**
10-32	**503917**	**503933**	**503924**	**503940**	1/4	.080" max.	**503153**	**503178**
1/4-20	**503918**	**503934**	**503925**	**503941**	11/32		**503154**	**503179**
5/16-18	**---**	**503935**	**---**	**503942**	27/64	.020" min.	**503155**	**503180**
						to		
3/8-16	**---**	**503936**	**---**	**503943**	1/2	.125" max.	**---**	**---**
M3.5-0.6	**---**	**504366***	**---**	**504372***	M4.9(3/16)		**n/a**	**n/a**
M4-0.7	**---**	**504367***	**---**	**504373***	M5.6(7/32)	M.25 min.	**n/a**	**n/a**
M5-0.8	**---**	**504368***	**---**	**504374***	M6.4(1/4)	to	**n/a**	**n/a**
M6-1.0	**---**	**---**	**---**	**504375***	M8.7(11/32)	M2.03 max.	**n/a**	**n/a**
M8-1.25	**---**	**504370***	**---**	**504376***	M10.5(27/64)	M.50 min.	**n/a**	**n/a**
						to		
M10-1.5	**---**	**504371***	**---**	**504377***	M12.5(1/2)	M3.18 max.	**n/a**	**n/a**

***Discontinued when stock is depleted.**

RIVET-NUT TOOL



TOOL WARRANTY NOTE:
Rivet Setting Tool, Part No. 503910, is not warranted by us. The manufacturer requires that tools be returned to them. Necessary information is packed with every tool.



Part No. 503910
Includes a mandrel and a nosepieces for 8-32, 10-24 and 10-32 inserts.

MANDRELS AND NOSEPIECES FOR RIVET NUT TOOL #503910



THREAD SIZE	PART NUMBER
6-32	**503980**
8-32	**503981**
10-24	**503982**
10-32	**503983**

THREAD SIZE	PART NUMBER
1/4-20	**503984***
4mm	**503985**
5mm	**503986**
6mm	**503987***

***Mandrel only, nosepiece not required.**

NUTS

HEX FLANGE NUTS

JIS HEX LOCK NUTS

- Flange style with serrated washer face.
- Case hardened.
- Lusterplated.

SIZE	PART NUMBER (USS)	PART NUMBER (SAE)	QTY
10-24	**720252***	---	50
1/4	**50620**	**50624**	50
5/16	**50621**	**50625†**	50
3/8	**50622**	**50626**	50
7/16	**50616**	**50627**	25
1/2	**50617**	**50628**	25
5/8	**50618**	---	25
3/4	**50619**	---	10

† Black Oxide Finish * 3/16" Diameter



SIZE	PITCH	A/F NUMBER	PART	QTY
6mm	1.00	10mm	**630425**	50
8mm	1.25	12mm	**630426**	50
10mm	1.25	14mm	**630427**	50
10mm	1.50	14mm	**717273**	25

HEX WASHER NUTS

- Flange style with smooth washer face.
- Case hardened.
- Universal applications.

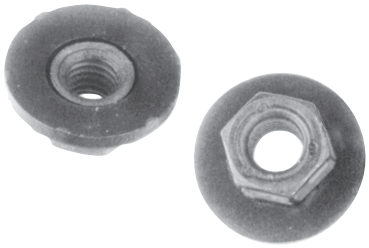


SIZE	PITCH	A/F NUMBER	PART	QTY
5mm	.80	8mm	**716895†**	25
6mm	1.00	10mm	**717260†**	25
8mm	1.25	13mm	**717270†**	25
10mm	1.25	14mm	**717299****	25
10mm	1.50	15mm	**717287†**	25

† Black Oxide Finish **Zinc Yellow

HEX NUTS with FREE SPINNING WASHER

- Lusterplated steel.
- Universal applications.
- Washer points provide positive locking action.



METRIC

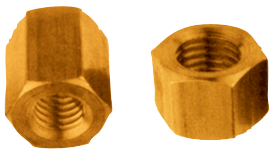
DIA.	PITCH	PART NUMBER	WASHER	HEX	QTY
5mm	.80	**716894**	15mm	10mm	25
6mm	1.00	**720297**	14mm	10mm	25
6mm	1.00	**720298**	16mm	11mm	25
6mm	1.00	**717475***	16mm	11mm	25
6mm	1.00	**716887**	16mm	10mm	25
6mm	1.00	**717476**	18mm	11mm	25

DIA.	PITCH	PART NUMBER	WASHER	HEX	QTY
6mm	1.00	**720299**	19mm	10mm	25
6mm	1.00	**720301**	24mm	11mm	25
6.3mm	1.00	**717265**	16mm	11mm	25
6.3mm	1.00	**717477**	19mm	11mm	25
8mm	1.25	**720304**	28mm	13mm	25
8mm	1.25	**717478**	24mm	13mm	25

*** Non-locking**

BRASS MANIFOLD NUTS

- Manifold and universal applications.
- Corrosion resistant. Burr-free threads.
- High strength copper-zinc formation.
- Six different metric sizes - 6mm to 10mm.

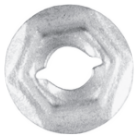


SIZE-PITCH	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
6mm-1.00	**553161**	10mm	5mm	50
8mm-1.25	**553162**	13mm	6mm	50

SIZE-PITCH	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
8mm-1.25	**553165**	13mm	15mm	50
10mm-1.50	**553163**	17mm	8mm	50

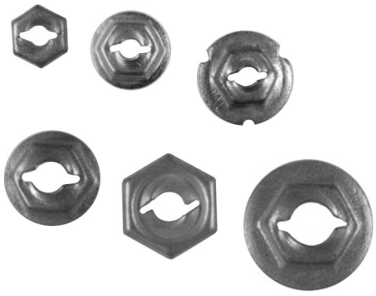
NUTS

THREAD CUTTING NUTS



Stamped Hex Nut Self Threading w/Locking Tabs	Stamped Hex Nut Self Threading w/o Sealer	Stamped Hex Nut Self Threading w/o Sealer		
3/16" Stud 5/8" Washer 3/8" A/F Zinc Finish Universal OE: N/A	4mm Stud 9mm Hex w/15mm Integral Faceted Washer GM 1978/on Universal OE: 11502540	5mm Stud 10mm Hex w/15mm Integral Flat Washer GM 1977/on Universal OE: 11501932		
724473 50	**720327** 50	**717485** 50		

PAL NUTS



- **Vibration proof; reusable.**
- **Same wrench size as standard nuts.**
- **Regular style for threaded fasteners.**

Regular

THREAD SIZE	PART NUMBER	WASHER O.D.	HEX O.D.	QTY
8-32	**516281**	15/32	11/32	100
3/16	**516282**	1/2	3/8	100
3/16	**516283**	3/4	3/8	100
1/4-20	**516284**	19/32	7/16	100
5/16-18	**516291**	13/16	1/2	100

- **Thread cutting style for studs.**
- **Formed washer face holds in place.**

Thread Cutting

STUD SIZE	PART NUMBER	WASHER O.D.	HEX O.D.	QTY
1/8	**516285**	--	5/16	100
1/8	**516286**	7/16	5/16	100
1/8	**516287**	17/32	5/16	100
3/16	**516288**	1/2	3/8	100
3/16	**516289**	--	1/2	100
1/4	**516290**	11/16	7/16	100
5/16	**720267**	3/4	--	50

PAL LOCK NUTS

- **Vibration proof.**
- **Used on top of standard nuts as a double lock.**

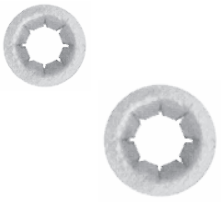
THREAD SIZE	PART NUMBER	QTY
7/16	**503371**	50
1/2	**503372**	50



PUSH NUT RETAINERS

- **Spring steel - positive locking.**
- **Push over stud for fast and easy permanent installation.**
- **Will not back off.**
- **Not reusable.**

STUD SIZE	PART NUMBER	O.D.	QTY
1/8	**503101**	3/8	100
5/32	**503102**	7/16	100
3/16	**503103**	7/16	100
1/4	**503104**	17/32	100
5/16	**503105**	5/8	100
3/8	**503106**	3/4	100
1/2	**503107**	1	50



PUSH NUT BOLT RETAINERS

- **Holds fasteners in place where hands can't reach.**
- **Insert cap screw through a panel, run bolt retainer onto threads. Cap screw, machine screw stays in place while hanging outside panel, starting nuts, etc.**

FITS THREAD SIZE	PART NUMBER	O.D.	QTY
No. 10	**720273**	7/16	100
1/4	**503160**	1/2	100
5/16	**503161**	5/8	100
3/8	**503162**	25/32	100
7/16	**503163**	27/32	100
1/2	**503164**	15/16	100



METRIC PUSH NUT RETAINERS

FITS STUD SIZE	PART NUMBER	O.D.	QTY
3.2mm	**717490***	9.5mm	50
4mm	**717491**	11mm	50
5mm	**717492**	11mm	50
6mm	**716898***	13.5mm	50

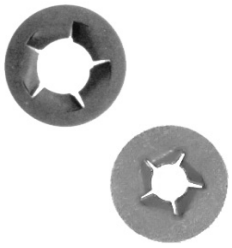
*** Zinc**



METRIC PUSH NUT BOLT RETAINERS

INSIDE DIAMETER	OUTSIDE DIAMETER	PART NUMBER	QTY
6mm	13mm	**717493**	50
6mm	17mm	**716897***	50
6.3mm	13mm	**717494**	50
8mm	16mm	**717495**	50
8mm	25mm	**503157**	50
10mm	20mm	**503173**	50
10mm	24mm	**503158**	50
12mm	21mm	**503174†**	50
14mm	25mm	**503159**	50

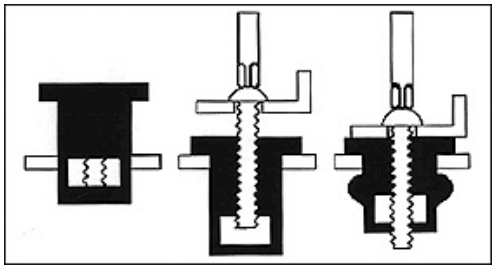
*** Dichromate. / † Zinc.**



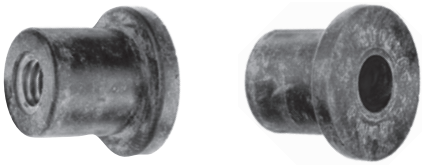
NUTS

WELL NUTS

- 'Well Nut' is a flanged neoprene bushing with a captive brass nut.
- Designed to provide a shock and vibration resistant fixing for engineering structures.
- This demountable blind screw anchor is suitable for applications of many kinds in many conditions, in materials from thin gauge metals to plastic sheet up to 16.5mm thick.
- A high rate of radial expansion even allows use in blind holes in solid materials.



No other blind fastener does all this...



PART NUMBER	THREAD SIZE	SHANK DIA.	OVERALL LENGTH	HOLE SIZE REQUIRED	QTY
503165	6-32	.312	.499	5/16	50
503166	8-32	.312	.499	5/16	50
503167	10-24	.375	.767	3/8	50
503168	10-32	.375	.807	3/8	50
503169	1/4-20	.500	.641	1/2	50
503170	1/4-20	.500	1.051	1/2	50
503171	5/16-18	.620	.725	5/8	25
503190	10-32	.375	1.051	3/8	10
503191	10-32	.377	.665	3/8	10

EXPANSION NUTS (JACK NUTS)

Body Rack Mounting Jack Nut
Zinc Finish w/Raintite



6mm-1.0 Thread
15.88mm Head
11.1-11.43mm Hole
.38-4.75mm G.R.
18.57mm O/L
GM, Universal
OE: 14007940

716776 12

Mirror Mounting Jack Nut
Zinc Finish



1/4"-20 Thread
.625" Head
.434-.450" Hole
.015-.187" G.R.
.731" O/L
Universal

717165 12

NUTS

Illustrations are actual size unless otherwise noted.



25

716793
Headlamp Bezel & Grille Nuts
12mm W, 12mm L
8 X 9mm Hole
5mm Screw
Natural Nylon
OE: 94841764, 90189-05013, MS-480002



25

717167
Headlamp Bezel Nuts
1/4 Square Hole
No. 8 Or No. 10 Screw
Natural Nylon
OE: 2524525



25

724775
Headlight Nuts
Fits: 10.5 X 11mm
Head Size: 15mm X 15mm
Stem Length: 10mm
M5.5 (No. 12) Screw Size
OE: 6508072-AA



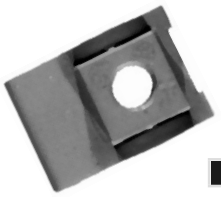
12

725532
Headlight Nuts
Fits: 10mm
Head Size: 14mm X 18.5mm
Overall Length: 15mm
Headlight Adjusting Nut
OE: 191-941-142



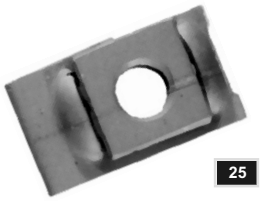
10

724955
Specialty Inserts W/sealer
Size: M6-1.0
Head Dia: 13mm
Hex Size: 9.5mm
Grip Range: .5 - 4.2mm
OE:11609292



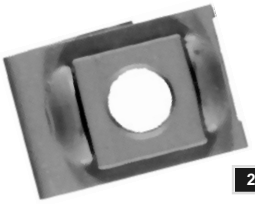
25

717150
"J" Cage Nuts
1/4-20 Screw Size
.032 - .093 Panel Range
1/2 Center Of Hole To Edge
Phosphate



25

717151
"J" Cage Nuts
5/16-18 Screw Size
.087 - .093 Panel Range
9/16 Center Of Hole To Edge
Phosphate



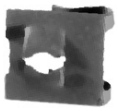
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717152
"J" Cage Nuts
3/8-16 Screw Size
.050 - .090 Panel Range
9/16 Center Of Hole To Edge
Phosphate



50

511112
"J" Speed Nuts
No. 6 Screw Size
.090 - .110 Panel Range
9/32 Center Of Hole To Edge
Phosphate



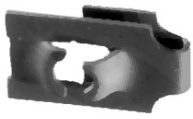
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511113
"J" Speed Nuts
No. 8 Screw Size
.025 - .040 Panel Range
9/32 Center Of Hole To Edge
Phosphate



50

511114
"J" Speed Nuts
No. 10 Screw Size
.027 - .045 Panel Range
3/16 Center Of Hole To Edge
Phosphate



50

511115
"J" Speed Nuts
No. 14 Screw Size
1/2 Panel Range



50

511116
"J" Speed Nuts
No. 14 Screw Size
.028 - .056 Panel Range
15/32 Center Of Hole To Edge
Phosphate



24

724521
Square Cage Nuts
Thread: 1/4-20
Panel Range: .093 - .126



24

724522
Square Cage Nuts
Thread: M5-0.8
Panel Range: 2.4 - 3.2mm

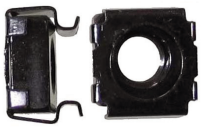


24

724523
Square Cage Nuts
Thread: M6-1.0
Panel Range: 2.4 - 3.2mm

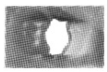
NUTS

Illustrations are actual size unless otherwise noted.



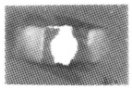
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724524
Square Cage Nuts
Thread: M8-1.25
Panel Range: 1.6 - 2.4mm



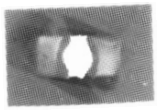
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511100
Flat Speed Nuts
No. 6 Screw Size
For Sheet Metal Screws



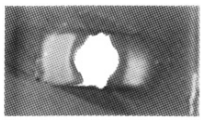
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511101
Flat Speed Nuts
No. 8 Screw Size
For Sheet Metal Screws
13/32 X 5/8
Phosphate



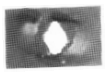
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511102
Flat Speed Nuts
No. 10 Screw Size
For Sheet Metal Screws
1/2 X 7/8
Phosphate



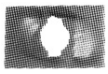
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511103
Flat Speed Nuts
No. 14 Screw Size
For Sheet Metal Screws



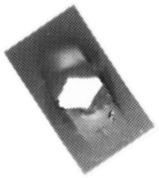
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511104
Flat Speed Nuts
6-32 Screw Size
For Machine Screws
5/16 X 1/2
Phosphate



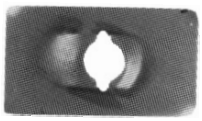
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511105
Flat Speed Nuts
8-32 Screw Size
For Machine Screws
1/2 X 7/8
Phosphate



50

511106
Flat Speed Nuts
3/16 Screw Size
For Machine Screws
7/16 X 3/4
Phosphate



50

511107
Flat Speed Nuts
1/4-20 Screw Size
For Machine Screws
9/16 X 1
Phosphate



50

51191
Flat Speed Nuts
1/16 Stud Size
Push-on For Studs
7/32 X 3/8
Phosphate



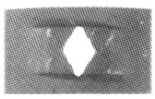
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51192
Flat Speed Nuts
3/32 Stud Size
Push-on For Studs
1/4 X 7/16
Phosphate



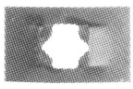
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51193
Flat Speed Nuts
1/8 Stud Size
Push-on For Studs
5/16 X 9/16
Phosphate



50

51194
Flat Speed Nuts
5/32 Stud Size
Push-on For Studs
3/8 X 9/16
Phosphate



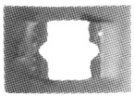
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51195
Flat Speed Nuts
3/16 Stud Size
Push-on For Studs
3/8 X 5/8
Phosphate



50

51196
Flat Speed Nuts
7/32 Stud Size
Push-on For Studs



50

51197
Flat Speed Nuts
1/4 Stud Size
Push-on For Studs
7/16 X 5/8
Phosphate

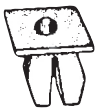
NUTS

Illustrations are actual size unless otherwise noted.



50

51199
Flat Speed Nuts
No. 4 Screw Size
For Sheet Metal Screws



25

717322
Radiator Grille Nuts
1/4 Square Hole
No. 8 Screw
White Nylon

OE: 6000943, 8934-201-263



25

718604
Body Nuts
5/16 Round Hole
No. 8 Screw
Side Marker, Headlamp &
Header Panel, Natural Nylon
OE:14013246



100

702559
License Plate Nuts
3/8 Or 9mm
1/4 (No. 14) Or 6mm Screw
Nylon 4-prong Push-in
W/ Square Head
OE: 3907444, 4755299



25

702563
License Plate Nuts
1/4 (No. 14) Or 6mm Sq. Hole
No. 10 Or 4.2mm Screw
Nylon

OE:380707-S



12

716635
License Plate Nuts
No. 12 Screw
Black Nylon

OE:6032516



50

718899
License Plate Nuts
No. 6 Or 8 Screw
Headlight Bezel
Natural Nylon

OE: 4000141, 380382



50

718903
License Plate Nuts
Fits: 3/8 Square Hole
No. 14 Screw
Front & Rear



5

720556
License Plate Nuts
Fits: 3/8 Hole
1/4 (No. 14) Screw
Door Lock Remote Control
Natural Nylon
OE:6027958



100

725599
License Plate Nuts
10mm (25/64) Hex

Nylon



25

717149
Side Mirror Nuts
Fits: 1/4 Square Hole
No. 8 Or No. 10 Screw
Headlight Door & Grille
White Nylon
OE:379830-S



12

725552
Moulding Nuts
Flange: 18.5mm
Overall Hgt: 10.5mm
5mm Stud Size; 10mm Hex
Flange Nut
OE:171-201-969



5

723096
Front Bumper Nylon Nuts
11mm Stem
16mm Head Diameter
5.5mm (No. 12) Screw
Natural Nylon
OE:62319-0W000



12

724981
Nylon Nuts
Fits: 8mm X 8mm Hole
Head Size: 16mm
Stem Length: 7mm
Natural Nylon
OE:91603-SL0-000



10

725024
Nylon Nuts
Head Size: 13mm X 13mm
Stem Length: 10mm
M4.2 (No. 8) Screw Size
White Nylon
OE: 87714-FD200, 87756-1C000



12

725085
Nylon Nuts
Head Size: 11mm X 11mm
Stem Dia: 9mm
Overall Length: 13.5mm
White Nylon
OE:86699-2D000

NUTS



25

725241
Nylon Nuts
Fits: 6mm X 6mm Hole
Screw Size: M3.5 (No. 6)
Head Size: 10mm X 10mm
Stem Length: 7mm
OE:MU480001



25

725260
Black Nylon Nuts
Fits: 8.5 X 8.5mm Hole
Screw Size: M5.5 (No. 12)
Head Size: 15mm
Stem Length: 8mm



12

725372
Nylon Nuts
Screw Size: M4.8 (No. 10)

Head Size: 14mm X 14mm
Stem Length: 7mm
OE: 66117-9000, 90930-0007



12

725373
Nylon Nuts
Fits: 7mm X 7mm Hole
Screw Size: M3.5 (No. 6)
Head Size: 10mm X 10mm
Stem Length: 5mm
OE:62731-FA000



12

725459
Nylon Nuts
Fits: 7 X 7mm Hole
Screw Size: M3.5 (No. 6)
Head Size: 10mm X 10mm
Stem Length: 7mm
OE: 81137-22530, 81150-1A750, 90075-10004



12

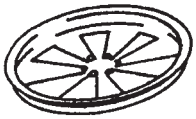
725460
Nylon Nuts
Fits: 9mm Square Hole
Screw Size: M5.5 (No. 12)
Head Size: 17mm
Stem Length: 10mm
OE:90189-06211



10

724958
Front Fender Panel Nuts
Screw Size: M6-1.0
Overall Hgt: 12mm

Zinc Organic
OE:11610544



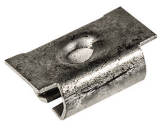
12

723048
Rear Splash Shield Push Nuts
4.5mm Stud
22mm OD
For Plastic Studs
Wheel Opening
OE:W703505-S301



50

720267
Thread Cutting Nuts
5/16 Stud



12

725205
Sheet Metal Nuts
Screw Size: M4.8-1.61 (No. 10)
Head Size: 10mm X 19mm
Overall Hgt: 7.5mm
Shield Clip Nut
OE:001-994-98-45



10

724941
Specialty Nuts
Screw Size: M6 - 1.0
Head Size: 13mm X 13mm
Stem Length: 8mm
Zinc
OE:11562503



10

724942
Specialty Nuts
Screw Size: M4.2-1.41 (No. 8)
Center Console, Door, Front Lights, Grille, Instrument Panel, Lift Gate
OE:11610157



12

724943
Specialty Push In Nuts
Screw Size: M4.2-1.41 (No. 8)
Head Size: 6mm X 16mm
Overall Hgt: 7mm
Front Bumper Specialty Nut
OE:11609952



10

725486
Specialty Nylon Nuts
Flange: 22mm
Overall Hgt: 10mm
6mm Stud Size
Cowl Vent & Fender Apron
OE:65613-07010



12

725598
Split Collar Lock Nuts
10mm-1.50 Pitch
14mm Hex

Copper Plated Steel

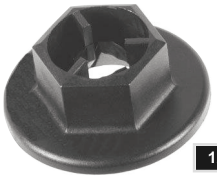


12

724756
Tubular Nuts
Fits: 8.5mm
Head Size: 16mm
Stem Length: 16mm
7mm Stud Size
OE:51-44-7-780-135

NUTS

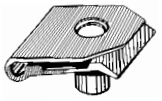
Illustrations are actual size unless otherwise noted.


12

725084
Nylon Flange Nuts
Flange: 25mm
Overall Hgt: 10mm
14mm Hex Size Cowl Trim
Black Nylon
OE:0K95A-68615


6

724554
Fender Bracket Retaining Nuts
M4.2-1.41 Screw
OE:11518531


10

716818
Extruded "U" Nuts
5mm Screw
15mm Depth
Fender Wheel & General Usage
Black
OE:20490398


25

716822
Extruded "U" Nuts
8mm-1.25 Screw
14mm Depth
1 - 1.8mm Panel Range
OE:20490398


25

717104
Extruded "U" Nuts
10-24 Thread Size
.025 - .125 Panel Range
15/32 Center Of Hole To Edge
Phosphate
OE:152273


25

717105
Extruded "U" Nuts
1/4-20 Thread Size
1/2 Panel Range


25

717106
Extruded "U" Nuts
1/4-20 Thread Size
.025 - .150 Panel Range
25/32 Center Of Hole To Edge
Phosphate
OE:45267,1494257


50

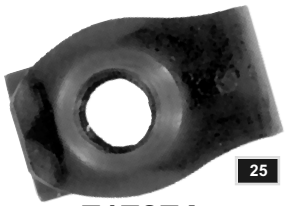
717107
Extruded "U" Nuts
5/16-18 Thread Size
.025 - .150 Panel Range
5/8 Center Of Hole To Edge
Phosphate
OE:1494253,3786805


50

717108
Extruded "U" Nuts
5/16-18 Thread Size
.025 - .150 Panel Range
7/8 Center Of Hole To Edge
Phosphate
OE: 45268-S2,10008002, 1494258


10

717109
Extruded "U" Nuts
3/8-16 Thread Size
.050 - .200 Panel Range
3/4 Center Of Hole To Edge
Phosphate
OE: 45265-S2, 12337873, 1494254


25

717274
Extruded "U" Nuts
10mm-1.50 Screw
1.0 - 6.00mm (.040 - .230) Panel
19mm (3/4) Center Of Hole To
Phosphate
OE: 11500662, 11503564, 22531616


25

717481
Extruded "U" Nuts
6.3mm-1.0 Screw
.80 - 4.00mm (.030 - .160) Panel
13.5mm (17/32) Center Of Hole
Phosphate
OE: 9433043, 11500658


12

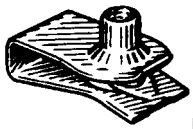
717482
Extruded "U" Nuts
8mm-1.25 Screw
.80-4.50mm(.030 -.170) Panel Range
20mm(13/16) Center Of Hole To Edge
Phosphate
OE:N623343-S2, N623343-S100, 11500661, 11503317, 11516150


12

717483
Extruded "U" Nuts
10mm-1.50 Screw
1.0 - 6.00mm (.040 - .230) Panel
19mm (3/4) Center Of Hole To
Phosphate
OE:11500662,11503564, 22531616


12

718261
Extruded "U" Nuts
6mm-1.0 Screw
.010 - .165 Panel Range
Non-locking
OE:11503957


25

720316
Extruded "U" Nuts
M5-.8 Screw
.80 - 4.00mm (.030 - .160) Panel
15.8mm (5/8) Center Of Hole To
Phosphate
OE:11500657

NUTS

Illustrations are actual size unless otherwise noted.



12

723204
Extruded "U" Nuts
M6-1.0 Screw
2.0 - 5.00mm (.079 - .197) Panel
14.5mm (9/16) Center Of Hole
Zinc Organic
OE:11516372



12

724528
Extruded "U" Nuts
M4.2-1.41 (No. 8) Screw
.65 - 3.8mm (.025 - .150) Panel
9.5mm (3/8) Center Of Hole To Edge
Locking Thread
OE:11513599



12

724602
Extruded "U" Nuts
M6-1.0 Screw
.80 - 4.00mm (.030- .160) Panel Rnge
M13.5 (17/32) Cnter Of Hole To Edge
Phosphate
OE:N623332-S2, N623332-S53, N623332-S100, 1016937, 11503957



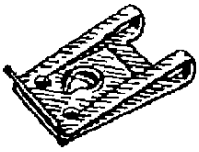
25

716861
Bumper Impact Strip Fascia "U" Nuts
1/4 Stud
OE:10018611



50

718670
Sheet Metal Extruded "U" Nuts
6mm
0.8 - 1.6mm Panel Range
Fender & Front End
OE:14044215



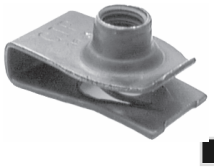
50

720217
Wide Range "U" Nuts
8-18 Screw
.025 - .150 Panel Range
5/8 Center Of Hole To Edge
Phosphate
OE: 381863-S2, 11504531, 9433155



50

720218
Wide Range "U" Nuts
8-18 Screw
.125 - .250 Panel Range
3/8 Center Of Hole To Edge
Phosphate
OE:9433156



12

720237
Wide Range Extruded "U" Nuts
1/4-20 Screw
.025 - .150 Panel Range
17/32 Center Of Hole To Edge
Phosphate
OE:1480627,1494252



12

724951
"U" Nuts
Panel Range: Up To 3.5mm
M5.5 (No. 12) Screw Size
8mm Center Of Hole To Edge
Blue Nylon
OE:9114472



12

724952
"U" Nuts
Panel Range: Up To 2mm
M5.5 (No. 12) Screw Size
12mm Center Of Hole To Edge
Orange Nylon
OE:24449408



10

725120
"U" Nuts
Screw Size: M6.3 (No. 14)
Panel Range: Up To 3mm
14mm Hole Center To Edge
Black Nylon
OE:90467-05138



10

725134
"U" Nuts
Panel Range: Up To 2mm
M4.8 (No. 10) Screw Size
10mm Center Of Hole To Edge
Bumper & Fender Apron
OE:53879-17020



12

725171
"U" Nuts
Screw Size: M4.8 (No. 10)
Panel Range: Up To 1mm
11mm Center Of Hole To Edge
Gray Nylon
OE:B455-56-135



25

717261
Metric Extruded Nuts
6mm
Short Throat
OE:11503719, N800854-S



25

717262
Metric Extruded "U" Nuts
M6-1.0 Screw
.34 - 4.00mm (.015 - .160) Panel
19.5mm (25/32) Center Of Hole
Phosphate
OE: 11503715, 11508241, 11609385



25

717266
Metric Extruded "U" Nuts
M6.3-1.0 Screw
.80 - 4.00mm (.030 - .160) Panel
13.5mm (17/32) Center Of Hole
Phosphate
OE:11502785,11503685, 11504035

NUTS

Illustrations are actual size unless otherwise noted.



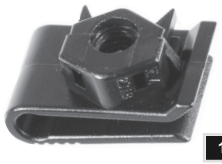
25

717271
Metric Extruded "U" Nuts
M8-1.25 Screw
.80 - 4.00mm (.030 - .160) Panel
14.5mm (9/16) Hole Center To Edge
Phosphate
OE: 6101283,11500660, 11502617, N623333-S2



12

725023
Nylon "U" Nuts
Panel Range: Up To 1.5mm
M6 (No. 14) Screw Size
8mm Center Of Hole To Edge
Black Nylon
OE:86825-28000



10

725279
Nylon "U" Nuts
Panel Range: Up To 4mm
M6 Captive Metal Hex Nut
14mm Center Of Hole To Edge
Black Nylon
OE:01241-00881



10

725461
Nylon "U" Nuts
Screw Size: M6 (No. 14)
Panel Range: Up To 2mm
12mm Center Of Hole To Edge
Left/right Front Bumper
OE: 90467-05081, 90467-A0018



10

725462
Nylon "U" Nuts
Screw Size: M6 (No. 14)
Panel Range: Up To 2mm
12mm Center Of Hole To Edge
Rear Bumper
OE:90467-05128



10

725463
Nylon "U" Nuts
Screw Size: M5.5 (No. 12)
Panel Range: Up To 2mm
11mm Center Of Hole To Edge
Front Fender Liner
OE:53879-20020



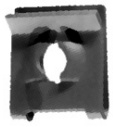
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725464
Nylon "U" Nuts
Screw Size: M4.8 (No. 10)
Panel Range: Up To 2mm
7mm Center Of Hole To Edge
Front Fender Liner & Mudguard
OE: 76647-42010



50

511117
"U" Speed Nuts
No. 6 Screw Size
.025 - .125 Panel Range
3/8 Center Of Hole To Edge
Phosphate



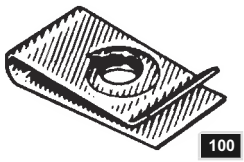
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511118
"U" Speed Nuts
No. 8 Screw Size
.025 - .040 Panel Range
1/4 Center Of Hole To Edge
Phosphate
OE:9428481



50

511119
"U" Speed Nuts
No. 10 Screw Size
.020 - .051 Panel Range
15/32 Center Of Hole To Edge
Phosphate



100

511120
"U" Speed Nuts
1/4-20 Screw Size
.064 - .125 Panel Range
9/16 Center Of Hole To Edge
Phosphate
OE:9431647



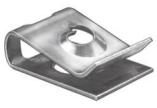
25

716802
"U" Speed Nuts
2.9mm Screw
6mm Depth
.5 - 1.5mm Panel Range
6mm Center Of Hole To Edge
OE: 0712-9-925-706



25

716803
"U" Speed Nuts
4.2mm Screw
7mm Depth
.7 - 1.6mm Panel Range
7mm Center Of Hole To Edge
OE: N15.422.2



25

716804
"U" Speed Nuts
4.2mm Screw
7mm Depth
3 - 4mm Panel Range
7mm Center Of Hole To Edge
OE: 0712-9-925-708, 000-904-24-45



25

716805
"U" Speed Nuts
4.2mm Screw
7.5mm Depth
.5 - 1.7mm Panel Range
8mm Center Of Hole To Edge
OE:000-994-04-45



25

716806
"U" Speed Nuts
4.2mm Screw
8mm Depth
.5 - 2.5mm Panel Range
8mm Center Of Hole To Edge

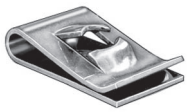
NUTS

Illustrations are actual size unless otherwise noted.



25

716807
"U" Speed Nuts
4.8mm Screw
12mm Depth
.8 - 1.7mm Panel Range
11mm Center Of Hole To Edge
OE:0711-9-916-945,
000-994-14-45



25

716808
"U" Speed Nuts
4.8mm Screw
9mm Depth
.9 - 2mm Panel Range
8mm Center Of Hole To Edge



25

716809
"U" Speed Nuts
4.8mm Screw
12.5mm Depth
.5 - 1.7mm Panel Range
7mm Center Of Hole To Edge
OE:0712-9-925-737,
000-994-06-45



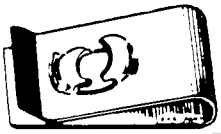
25

716810
"U" Speed Nuts
5.6mm Screw
10mm Depth
1.2 - 2.0mm Panel Range
10mm Center Of Hole To Edge
OE:0712-9-925-720



25

716811
"U" Speed Nuts
6.3mm Screw
13mm Depth
.7 - 1.5mm Panel Range
13mm Center Of Hole To Edge
OE:000-994-09-45, 20-72-175,
946-418



25

716819
"U" Speed Nuts
6.3mm Screw
14mm Depth

OE:11508248



25

716820
"U" Speed Nuts
4.2mm Screw
9mm Depth

OE:14015876



50

720216
"U" Speed Nuts
8-18 Screw
.025 - .150 Panel Range

OE:9431530



12

724094
"U" Speed Nuts
4.2mm (No. 8) Screw
14mm Center Of Hole To Edge
.5 - 2.5mm Panel Range
Zinc & Yellow
OE:123-994-08-45

RETAINERS

Illustrations are actual size unless otherwise noted.



12

725531
Retainers
Head Size: 14mm
Stem Dia: 7mm X 9mm
Stem Length: 18mm
Door Side Panel, Luggage Compart.
OE:801-867-299-01C



12

725490
Weatherstrip Clips
Bottom Head Dia: 12mm
Top Head Dia: 9mm
Stem Dia: 7mm
Stem Length: 13mm
OE:67869-12050



12

720539
Front Cowl Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 6mm
Stem Dia: 10mm
Black Nylon
OE:91501-SL4-003



25

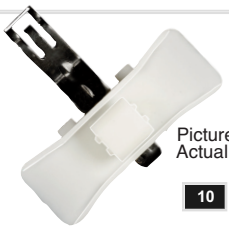
725036
Retainers
Overall Length: 21mm
Trim Panel & Dash Console Clip

White Nylon
OE:84747-2L000



12

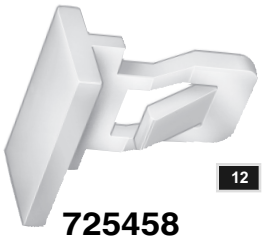
725481
Hood To Cowl Top Seal
Bottom Head Dia: 7mm X 13mm
Top Head Dia: 7.5mm
Stem Dia: 13mm
Black Nylon
OE:90467-08101



Picture Not Actual Size

10

725200
Nylon & Metal Retainers
14.5mm X 47mm
Overall Length: 43mm
Black Phosphate Plated Steel
Front & Rear Door
OE:124-988-94-78



12

725458
Moulding Retainers
Head Size: 13 X 26mm
Stem Length: 25mm
Front & Rear Bumper
White Nylon
OE:76853-10010



25

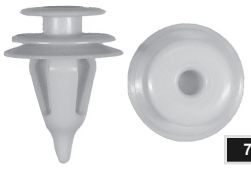
716303
Side Door Moulding Retainers
Bottom Head Dia: 3/8
Top Head Dia: 9/32
Stem Dia: 1/2

OE:20455900



100

52616
Door Trim Panel & Headliner
Bottom Head Dia: 3/4
Top Head Dia: 11/16
Stem Dia: 5/16
Stem Length: 1/2
OE:2064891, 9818648, 9883583



7

720776
Door Trim Panel & Lower
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 17mm
OE: 95008221, 67771-30090



12

723213
Side Door Trim Panel
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 14mm
OE:6505918AA



7

720523
Grille To Fascia Retainers

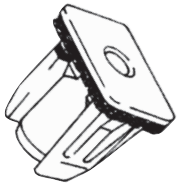
Phosphate

OE:4676356



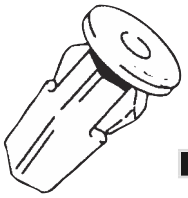
10

724755
Trim Plug Retainers
Head Size: 15mm X 17mm
Stem Length: 7mm
Overall Length: 11mm
Door Lateral Trim Grommet
OE:07-14-9-158-194,
51-41-821-58-06



6

724515
Tail Lamp Grommets W/sealer
Head Dia: 13 X 20mm
Overall Length: 19mm
Fits: 9 X 16mm Hole
Blue Nylon
OE:11561382,11610198



7

720630
Screw Grommets
16mm Flange
Fits: 9mm Square Hole
5.5mm Screw
Front & Rear Wheel Fender Liner
OE:94854203, 90189-06028

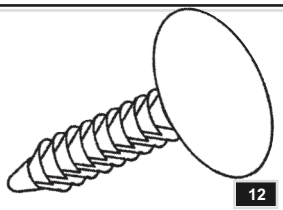


6

724545
Specialty Inserts W/sealer
Thread: M6-1.0
Head Dia: 17mm
Hex: 9.5mm
Grip Range: .7 - 3.17mm
OE:6509106-AA

RETAINERS

Illustrations are actual size unless otherwise noted.



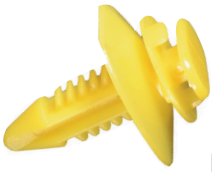
723346
Interior Trim & Garnish
Bottom Head Dia: 1”
Top Head Dia: 5/16
Stem Dia: 1-1/2
Blue Nylon
OE:N806344-S



725022
Moulding Retainers
Screw Size: M3.5 (No. 6)
Head Size: 13mm X 13mm
Stem Dia: 13.5mm
Stem Length: 8mm
OE:87756-34520



724930
Retainer Nuts
Overall Hgt: 7mm
13mm Hex
Grille Retainer Nut
Black Nylon
OE:11610748



716301
Side & Rear Door Trim
Bottom Head Dia: 3/4 X 7/8
Top Head Dia: 9/32 X 19/32
Stem Dia: 5/16
Stem Length: 3/4
OE:15588024,15596301



720371
Shield Retainers
Bottom Head Dia: 3/4
Top Head Dia: 5/16
Stem Dia: 1-1/16
Wiring Harn./hdliner/tailgate/air Cleanr
OE:15975244



720372
Shield Retainers
Fits: 15/64 (6mm) Hole
OE:20709017



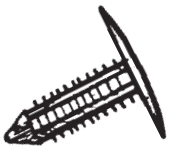
720373
Shield Retainers
Fits: 7/64 (2.5mm) Hole
OE:20729523



720374
Shield Retainers
Fits: 5/16 (7.8mm) Hole
OE:34202335



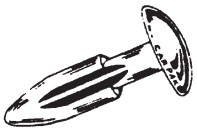
720376
Shield Retainers
Bottom Head Dia: 23/64
Top Head Dia: 3/16
Stem Dia: 7/16
Black Nylon
OE:10063599



720378
Shield Retainers
Fits: 13/64 (5.3mm) Hole
Black Nylon
OE:N801994-S100



720381
Shield Retainers
Bottom Head Dia: 5/8
Top Head Dia: 1/4
Stem Dia: 3/4
Fender & Bumper
OE:6501948



718647
Drive Rivet Retainers
Fits: 5mm Hole
7mm Washer Face
Taillight Lens
OE:16500283



725442
Retainer Fenders
Fits: 10 X 16mm Hole
Overall Hgt: 18mm
Front Fender
Dark & Light Gray Nylon
OE:53867-47020



718100
Moulding Clips
Bottom Head Dia: 1/2
Top Head Dia: 9/32
Stem Dia: 11/16
Rear Window
OE:7703-077-066



718654
Seat Back Retainers
Bottom Head Dia: 25/32
Top Head Dia: 5/16
Stem Dia: 15/16
Black Nylon
OE:20319841



723317
Rocker Panel & Garnish
Head Dia: 20mm
Stem Dia: 8mm
Fits: 7mm Hole
Black Nylon
OE: 88970494, 88973676, 90467-07168

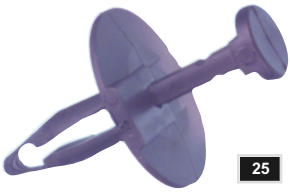
RETAINERS

Illustrations are actual size unless otherwise noted.



717612
Drive Type Rivet Retainers
12mm Washer Face
Fits: 5mm Hole
Trim Panel

OE:90467-06054



718423
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Splash Shield & Fascia
OE: N802781-S, 14093088



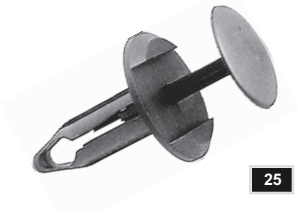
718427
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 7/8 (22mm)
Fits: 5/16 (8mm) Hole
Shoulder: 1/8(3.2mm)
OE: 6501590, N803421-S



718679
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE: 34202672, 20510029, N803362-S



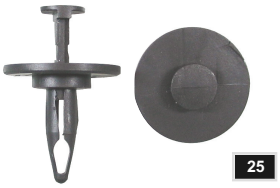
718728
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 5/8 (16mm)
Fits: 1/4 (6.4mm) Hole
Cowl Ldge, Wtherstrip & Fnder Liner
OE: 6031390, 387843S, 472434, 480534



718732
Drive Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 23mm
Fits: 7mm Hole
Fascia
OE:N803716-S



718733
Drive Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 23mm
Fits: 6mm Hole
Fascia
OE: N803709-S,15681408



718734
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 15/16 (24mm)
Fits: 1/2 (12.7mm) Hole
Shoulder: 1/8(3.2mm)
OE:14101262



718736
Drive Type Rivet Retainers
15mm Washer Face
Fits: 7mm Hole
Trim Attachments

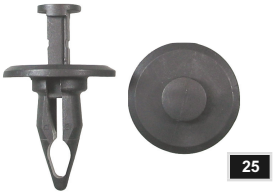
OE:10116-41810



718738
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/16 (11mm)
Fits: 9/32 (7.1mm) Hole
Grille
OE:6031383



718739
Drive Type Rivet Retainers
Head Dia: 21/32 (16.7mm)
Stem Dia: 9/16 (14.3mm)
Fits: 5/16 (8mm) Hole
Rad Overflow/ Windshld Wash Bottle
OE:14019226,14071289



718744
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 1/2(12.7mm)
Fits: 1/8 (3.2mm)
Bumper Fascia
OE:22535007



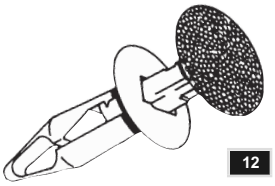
720333
Drive Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 23mm
Fits: 9.5mm (3/8) Hole
Front Bumper Fascia
OE:10157900,11517803, 15993201



720335
Drive Type Rivet Retainers
14mm Stem Length
22mm Flange
Fits: 12.5mm Hole
Rear Bumper Fascia
OE:10082553



720585
Drive Type Rivet Retainers
Head Dia: 17/32 (13.5mm)
Stem Dia: 1-5/64 (27.5mm)
Fits:1/4 (6.4mm) Hole
Rear Door Radio Speaker
OE:15960621



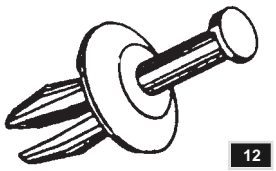
720586
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 21mm
Fits: 9mm Hole
Rear Bumper Cover
OE:15153415

RETAINERS

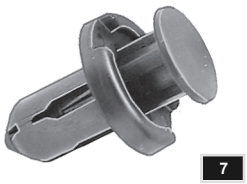
Illustrations are actual size unless otherwise noted.



720608
Drive Type Rivet Retainers
Head Dia: 23/32 (18.3mm)
Stem Dia: 29/32 (23mm)
Fits: 5/16 (8mm) Hole
Fascia
OE:6504521



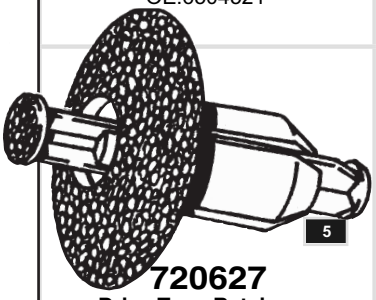
720609
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 5/8 (16mm)
Fits: 1/4 (6.4mm) Hole
Front Bumper Fascia
OE:6503454



720619
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 18mm
Fits: 10mm Hole
Front & Rear Bumper
OE:91503-SZ5-003



720620
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 13mm
Fits: 10mm Hole
Black Nylon
OE:91503-SZ3-003



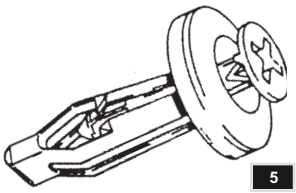
720627
Drive Type Retainers
Head Dia: 17mm
Stem Dia: 9mm
Fits: 7mm Hole
Black Nylon
OE:90467-07117



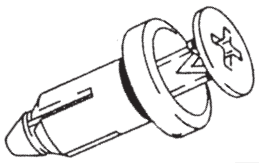
720637
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Black Nylon
OE:01553-09321,MR328954



720767
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 10mm
Fits: 8mm Hole
Front Fender
OE:91501-S04-003



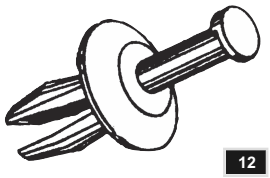
720794
Drive Type Rivet Retainers
Head Dia: 19mm
Stem Dia: 26mm
Fits: 9mm Hole
Black Nylon
OE:90467-09143



720795
Drive Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 12mm
Fits: 9mm Hole
Bumper Cover
OE:90467-09145



720901
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 11mm
Fits: 8mm Hole
Front Fender & Bumper Support
OE: 91512-SX0-003, MU000319



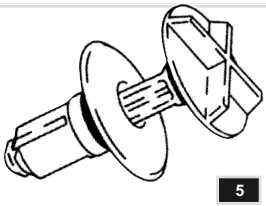
723025
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits: 1/4 (6.4mm) Hole
Front Fender Mud Skirt & Fender
OE: 34201621, 6504090,14019205, 14019206, 16514113, 8934-201-621, E3DZ-14A163A



723091
Drive Type Retainers
Head Dia: 11mm
Stem Dia: 10mm
Fits: 8mm Hole
Front Bumper Cover
OE:90657-SB0-003



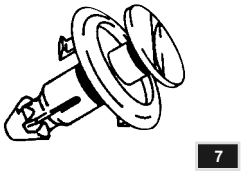
723119
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 10mm
Fits: 7mm Hole
Fender Splash Shield
OE:90467-07164



723177
Drive Type Rivet Retainers
Head Dia: 24.5mm
Stem Dia: 14mm
Fits: 9mm Hole
Radiator Sight Shield
OE: W705957-S300, W706519-S300



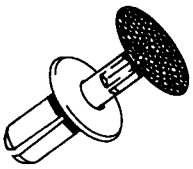
723186
Drive Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 8mm Hole
Bumper Clip
OE:01553-09611,90467-08185



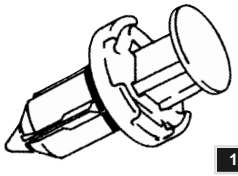
723191
Drive Type Rivet Retainers
8.5mm Stem Length
20mm Flange
5mm Panel Range
Fits: 7mm Hole
OE:90467-07195

RETAINERS

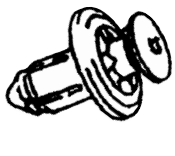
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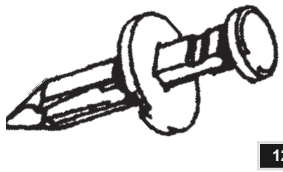
723207
Drive Type Retainers
Head Dia: 14mm
Stem Dia: 12mm
Fits: 7mm Hole
Bumper Cover & Garnish
OE:MR478262



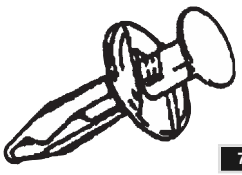
723208
Drive Type Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 9mm Hole
Fender & Bumper
OE:MR200300



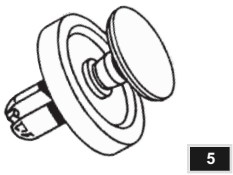
723209
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Mud Guard
OE:BC1D-56-145



723308
Drive Type Rivet Retainers
Head Dia: 16.5mm
Stem Dia: 27mm
Fits: 8mm Hole
Bumper & Rear Wheel Apron
OE:15994165



723309
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 26mm
Fits: 8mm Hole
Bumper Cover & Fender Shield
OE:W708530-S300,11518017



723368
Drive Type Retainers
Head Dia: 18mm
Stem Dia: 7.5mm
Fits: 7mm Hole
Front Fender Liner
OE:88970767,90467-10183



723374
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 14mm
Fits: 10mm Hole
Grille Mounting
OE:91503-S0K-A01



724133
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 20mm
Fits: 8mm Hole
Air Baffle To Under Carriage
OE:15969147,21030249,
6503598, N807389-S



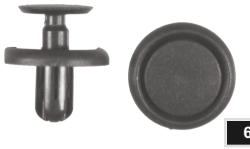
724203
Drive Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 7mm
Fits: 7mm Hole
Fender Liner
OE:53879-60010



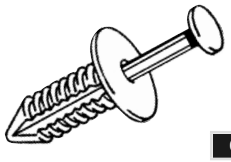
724250
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 8mm
Fits: 8mm Hole
Black Nylon
OE: 91545-SE0-003,
63848-01G00-A



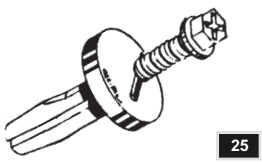
724451
Drive Type Rivet Retainers
31mm Stem Length
18mm Flange
3.5-10mm Panel Range
Fits: 9mm Hole
OE:52161-20010



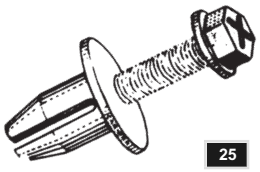
724461
Drive Type Rivet Retainers
10mm Stem Length
20mm Flange
2.2-6.5mm Panel Range
7mm Hole
OE:90467-07201



724509
Drive Type Rivet Retainers
Head Dia: 16mm
Stem Dia: 18mm
Fits: 7mm Hole
Black Nylon
OE:124-990-04-92



718429
Screw Type Rivet Retainers
Head Dia: 3/4 (19mm)
Stem Dia: 1/2 (12.7mm)
Fits: 1/4 (6.4mm) Hole
Under Hood
OE:N802737-S



718672
Screw Type Rivet Retainers
Head Dia: 43/64(17mm)
Stem Dia: 23/64 (18.3mm)
Fits: 5/16 (8mm) Hole
Front Compartment & Spare Tire
OE:20451119,63844-01A99



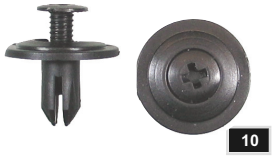
718710
Screw Type Rivet Retainers
Head Dia: 9/16 (14mm)
Stem Dia: 5/8 (16mm)
Fits: 1/4 (6mm) Hole
Cowl Panel To Reinforcement
OE:94051993,66860-01W01

RETAINERS

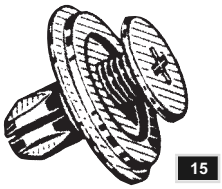
Illustrations are actual size unless otherwise noted.



718711
Screw Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 11mm
Fits: 6mm Hole
Black Nylon
OE: 90684-SA5-003, 10998-30880, 894-298-1190



718712
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 11mm
Fits: 6mm Hole
Black Nylon
OE:90668-SB0-003



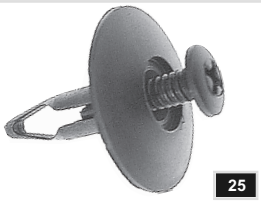
718713
Screw Type Rivet Retainers
Head Dia: 22mm
Stem Dia: 14mm
Fits: 11mm Hole
Bumper & Fascia
OE:01553-03101



718715
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 6mm Hole
Black Nylon
OE:1395-68-676, 80915-29A66, 894-243-1900, 9926-50-635



718716
Screw Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:6502871,N803946-S



718717
Screw Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 29/32 (23mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:N804837-S



718718
Screw Type Rivet Retainers
Head Dia:15/32 X 15/32 (12 X 12mm)
Stem Dia: 21/32 (16.7mm)
Fits: 1/4 X 1/4 (6.4mm X 6.4mm)
Fascia, Trim & Grille
OE: N803494-S,15679091



718720
Screw Type Rivet Retainers
Head Dia: 14mm
Stem Dia: 11mm
Fits: 7mm Hole
Black Nylon
OE:94198687,90467-06017-20, 90657-SA6-0030, N304-13-356-A



718721
Screw Type Rivet Retainers
Head Dia: 19/32 (15mm)
Stem Dia: 13/16 (20.6mm)
Fits: 5/16 (8mm) Hole
Black Nylon
OE:10053182



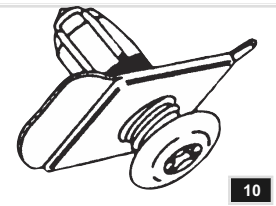
718722
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Black Nylon
OE:90675-SB3-003, 63876-95596, FB01-56-964



718723
Screw Type Rivet Retainers
Head Dia: 25/32 (20mm)
Stem Dia: 23/32 (18mm)
Fits: 5/16 (8mm) Hole
Inner Fender
OE:NA01-56145,63844-01A00, MNA01-56-145,NA01-56-145



718725
Screw Type Rivet Retainers
21mm Washer Face
9-15mm Grip Range
Fits: 10mm Hole
Various Panel Attachments
OE:1633999



718726
Screw Type Rivet Retainers
11mm Stem Length
30 X 20mm Head
2-7mm Grip Range
Fits: 10mm Hole
OE:E7GZ-17A904-B, BF67-50-033



720629
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 26mm
Fits: 9mm Hole
Bumper Cover
OE:90467-09127



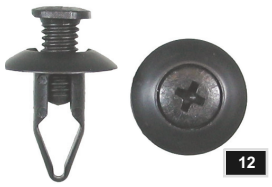
720669
Screw Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 11/16 (17.5mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:N808147-S,10139822, 25680782



723047
Screw Type Rivet Retainers
17.5mm Stem Length
16mm Flange
1.6-6mm Panel Range
Fits: 6mm Hole
OE:YS4Z-16K262-AA

RETAINERS

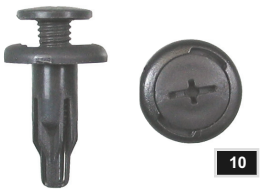
Illustrations are actual size unless otherwise noted.



723059
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 8mm
Bumper Cover
Black Nylon
OE:W706713-S300



724117
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 8mm Hole
Black Nylon
OE:W705845-S300,B092-51-833



724251
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 21mm
Fits: 8mm Hole
Black Nylon
OE:90505-SM4-003



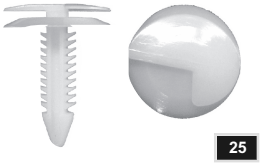
724252
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 27mm
Fits: 10mm Hole
Black Nylon
OE:91502-SM4-000



724255
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Fender Splash Shield
OE:91512-SM4-003



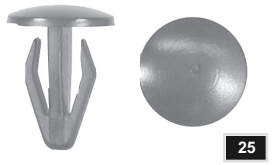
724262
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 6mm Hole
Cowl
OE:91524-SE0-003



716317
Conduit To Sheet Metal
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 1-1/8
OE:20451401



716329
Hood Seal Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7.5mm
Stem Dia: 11mm
Black Nylon
OE: 90467-08004, 90467-08011, 94842841, 94849113



716330
Retaining Clips
Bottom Head Dia: 14mm
Top Head Dia: 10mm
Stem Dia: 16mm
Black Nylon
OE:76906-T3000, 90467-11005



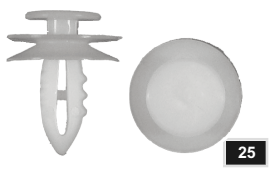
716679
Door Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:67771-22010



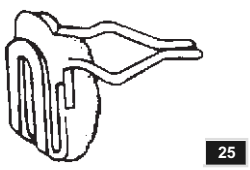
716680
Door Panel Retainers
Bottom Head Dia: 16mm
Top Head Dia: 12.5mm
Stem Dia: 8.5mm
Stem Length: 11mm
OE:67771-22020



717211
Door Weatherstrip Retainers
Bottom Head Dia: 3/16 X 1/2
Top Head Dia: 3/16
Stem Dia: 5/8
Natural Nylon
OE:C5AB-6220586A



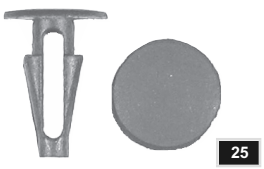
717214
Interior Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 1/2
Stem Dia: 11/32
Stem Length: 9/16
OE:387477-S



717215
Anti-rattle Foam Wedge
OE:383035-S100



717610
Retaining Clips
Bottom Head Dia: 20mm
Top Head Dia: 11mm
Stem Dia: 16mm
Black Nylon
OE:01553-00051



717620
Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7mm
Stem Dia: 15mm
Black Nylon
OE:01553-00172, 90467-07050

RETAINERS

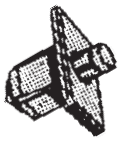
Illustrations are actual size unless otherwise noted.



50

718227
Grille Plate Holddown

OE:6032832



15

718727
Push Pin Type Rivet Retainers
Head Dia: 8mm X 12mm
Stem Dia: 8mm
Fits: 6mm X 6mm Hole
Cowl Grille Retainer
OE:66814-01G00



25

718729
Front Bumper Fascia Rivet
Head Dia: 17mm
Stem Dia: 18mm
Fits: 9.5mm (3/8) Hole
Shoulder: 2mm
OE:1636632,20687704



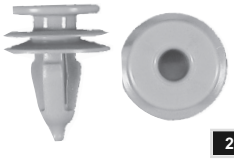
12

720334
Rear Bumper Fascia Retainers
Head Dia: 27/32 (21mm)
Stem Dia: 1" (25mm)
Fits: 1/2 (12mm) Hole
Shoulder: 1/8(3mm)
OE:10140480,6502625



25

720580
Door Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 5mm Hole
Stem Dia: 9mm Hole
Natural Nylon
OE:10283414,10405030



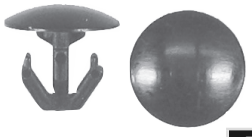
25

720733
Door Trim Panel Retainers
Bottom Head Dia: 23/32
Top Head Dia: 19/32
Stem Dia: 5/16 Hole
Stem Length: 5/8
OE:6503204



12

720741
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm Hole
Stem Length: 15mm
OE:6505292AA, W706812-S300



7

720762
Hood Seal Retainers
Bottom Head Dia: 12mm
Top Head Dia: 8.5mm
Stem Dia: 9mm
Black Nylon
OE: 91518-SM4-003



5

720796
Bumper Push Type Retainers
Head Dia: 18mm
Stem Dia: 15mm
Fits: 10mm Hole
Black Nylon
OE:01553-09241



12

720967
Hood To Cowl Seal Retainers
Bottom Head Dia: 6mm X 16mm
Top Head Dia: 5mm Hole
Stem Dia: 15mm
White Nylon
OE:65810-K2009



12

721016
Hood Seal Retaining Clips
Bottom Head Dia: 11mm
Top Head Dia: 7mm
Stem Dia: 8mm
Black Nylon
OE:91518-S10-003



10

721034
Front Air Deflector Retainers
30mm Flange, 24mm Stem
18 X 26mm Head
Black Nylon

OE:15733971



12

721036
Door Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 8.5mm
Stem Length: 14mm
OE:6505539-AA



5

723205
Door & Interior Trim Panel
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 9.5mm
OE:MG350-68AB1,G350-68-AB1



12

723212
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:6505759AA, 20003056



12

723231
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:6505759AA, 20003056

RETAINERS

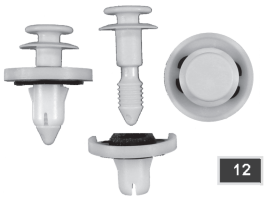
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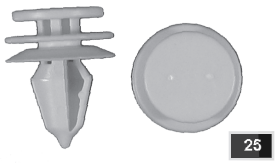
723336
Door Trim Panel Retainers
Bottom Head Dia: 22mm
Top Head Dia: 16mm
Stem Dia: 9mm
Stem Length: 15mm
OE:5023173AA



723358
Door Panel Retainers
4.5mm Trim Thk., 28.5mm O/L
19.5mm Up. Hd., 2.5mm Pnl Rng
Fits: 10mm Hole
Black Nylon
OE:11519030



723364
Door Panel Retainers
3mm Trim Thk.
13mm Uppper Pin Head
24mm Flange
1mm P.r., 32mm Overall Length
OE: 10363811, 22699649, 22704458, 22713392, 22722859, 22722860



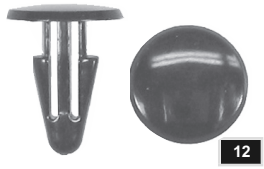
724005
Door Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 10mm
Stem Length: 15mm
OE:6507055AA, 6507686AA



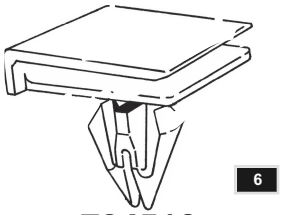
724188
Door Panel Retainers
25mm O/l; 18mm Head
1.5 - 11.5mm Panel Range
Fits: 7mm Hole
OE:11588863



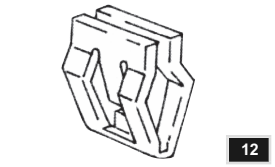
724240
Retaining Clips
Bottom Head Dia: 30mm
Top Head Dia: 8mm
Stem Dia: 17mm
Black Nylon
OE:90467-09008



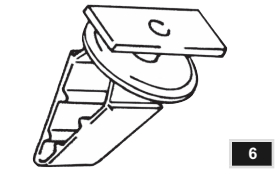
724261
Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7.5mm
Stem Dia: 15mm
Black Nylon
OE:90687-SA5-0030



724510
Rocker Moulding Retainers
Bottom Head Dia: 19/32 X 1-1/32
Top Head Dia: 3/4 X 1-1/32
Fits: 3/8 Hole
Stem Length: 9/16
OE:11589176



724513
Moulding Retainers
11mm Width; 14mm Length
Rear Bumper
OE:11561857



724520
Cowl Vent Retainers
Head Dia: 10 X 14mm
Overall Length: 18.5mm
Fits: 7mm Hole
Trim Thickness: 2.8mm
OE:90602-SLJ-003, 90603-SLJ-003



724708
Retainers
Top Head: 10mm X 14mm
Bottom Head: 16mm
Stem Dia: 8mm
Stem Length: 13mm
OE:90602-TA0-003



724730
Retainers
Head Size: 18mm
Stem Dia: 9mm
Stem Length: 15mm
Trim Panel & Trunk Lining
OE:51-48-8-181-420



724735
Locking Retainers
Head Size: 18.5mm
Stem Length: 21mm
Floor Mat Lock Retainer
With Washer Dia. 20.5mm
OE:51-47-1-881-521,51-47-2-499-935, 51-47-8-116-564, 51-47-8-183-031



724750
Retainers W/ Rubber O-ring
Head Size: 25mm
Stem Dia: 9.5mm
Stem Length: 16mm
14mm Shoulder Diameter
OE:51-77-7-171-003



724751
Retainers W/ Sealer
Top Head: 14mm
Middle Head: 15.5mm
Bottom Head: 18mm
Stem Dia: 9.5mm
OE:51-41-0-407-984, 51-41-8-224-768



724752
Retainers W/ Sealer
Top Head: 12mm
Bottom Head: 18mm
Stem Dia: 9.5mm
Stem Length: 16mm
OE:51-77-7-171-002

RETAINERS

Illustrations are actual size unless otherwise noted.


12

724753
Retainers
Top Head: 18mm
Bottom Head: 18mm
Stem Dia: 5mm X 8mm
Stem Length: 18mm
OE:51-12-7-004-445,
51-47-1-945-266


10

724770
Retainers
Head Size: 35mm
Stem Length: 14mm
Overall Hgt: 28mm
Bumper Retainer
OE:68033794-AA


10

724789
Tail Light Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 13mm
OE:68061648-AA


10

724822
Heater Hose Coupler Retainers
Overall Hgt: 3/4
For 3/4 Heater Hose

Gray Nylon
OE:1R3Z-18D434-BA


12

724842
Lift Gate Trim Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 12mm
Stem Length: 14mm
OE:W709995-S300


12

724843
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm


10

724854
Tail Lamp Retainers
Fits: 8mm Square Hole
Top Head: 15mm
Bottom Head: 18mm
Stem Length: 12mm
OE:W713579-S300



10

724877
Door Panel Retainers
Bottom Head Dia: 19.5mm
Top Head Dia: 24mm
Grommet Flange: 26mm
Stem Length: 12mm; Fits Into
OE:11571118



10

724878
Door Panel Retainers
Bottom Head Dia: 19.5mm
Top Head Dia: 24mm
Grommet Flange: 26mm
Stem Length: 12mm; Fits Into
OE:11571119


10

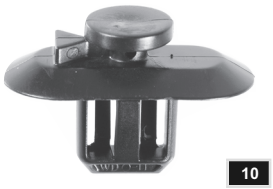
724916
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 10mm
Stem Length: 14mm
OE:11561654


12

724918
Retainers
Bottom Head Dia: 17mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 14mm
OE:13252119


12

724919
Retainers
Bottom Head Dia: 17mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 13mm
OE:13252118


10

724920
Retainers
Top Head: 12mm
Bottom Head: 17mm X 34mm
Stem Length: 15mm
Rear Hatch Sill Plate Retainer
OE:11609483


12

724923
Retainers
Bottom Head Dia: 12mm
Top Head Dia: 13mm
Stem Dia: 8mm
Stem Length: 25mm


12

724927
Retainers
Bottom Head Dia: 17mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 14mm
OE:11610605


12

724928
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 14mm
Stem Dia: 9mm
Stem Length: 10mm
OE:10369649

RETAINERS

Illustrations are actual size unless otherwise noted.



724935
Retainers W/ Sealer
Bottom Head Dia: 18.5mm
Top Head Dia: 19.5mm
Stem Dia: 11mm
Stem Length: 16mm
OE:15931605



724936
Retainers
Bottom Head Dia: 17mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 14mm
OE:11610606



724937
Retainers
Fits: 10 X 10.5mm Hole
Head Size: 18mm X 20mm
Stem Dia: 30mm
Overall Length: 32mm
OE:13365058



724954
Interior Trim Retainers
Bottom Head Dia: 20mm
Top Head Dia: 19mm
Stem Dia: 9mm
Stem Length: 19mm
OE:11562568



724987
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 11mm
OE:91560-SZW-003



724988
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 12mm
OE:91560-SZW-J01



725028
Retainers
Bottom Head Dia: 16mm
Top Head Dia: 13mm
Stem Dia: 10mm
Stem Length: 12mm
OE:85849-3B000



725030
Retainers W/ Sealer
Top Head: 15mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 10.5mm
OE:87378-3N000



725031
Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 9mm
OE:82315-22000



725032
Retainers W/ Sealer
Top Head: 13mm
Middle Head: 15mm
Bottom Head: 18.5mm
Stem Dia: 10.3mm
OE:82315-36000



725033
Retainers
Top Head: 14mm
Middle Head: 15mm
Bottom Head: 16mm
Stem Dia: 10.3mm
OE: 85495-2E050



725034
Retainers
Top Head: 13mm
Middle Head: 15mm
Bottom Head: 18mm
Stem Dia: 11mm
OE:82315-2P000



725035
Retainers
Top Head: 15mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 10.7mm
OE:82315-33020



725037
Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 15mm
Stem Dia: 9.6mm
OE:85506-4A000



725064
Retainers
Bottom Head Dia: 8mm
Top Head Dia: 5.3mm
Stem Dia: 7mm
Black Nylon
OE:80850-CA003



725088
Retainers
Head Size: 25mm X 30mm
Stem Length: 15mm
Overall Length: 35mm
Bumper Cover Clip W/sealer
OE:86591-25000

RETAINERS

Illustrations are actual size unless otherwise noted.



12

725103
Retainers
Top Head: 13mm
Bottom Head: 17.5mm
Stem Dia: 10.5mm
Stem Length: 15mm
OE:1008068, 7M0-867-299-K, 7M3-867-299, DYC500020



10

725122
Bumper Cover Pins
Diameter: 10mm
Stem Length: 24mm

Black Nylon
OE:47749-50090



10

725167
Retainers
Bottom Head Dia: 18.5mm
Top Head Dia: 14mm
Stem Dia: 12mm
Stem Length: 13mm
OE:TD12-51-SJ3A



12

725169
Retaining Clips
Bottom Head Dia: 9mm
Top Head Dia: 5.5mm
Stem Dia: 7mm
Black Nylon
OE:BP4K-58-762



12

725245
Retainers W/ Sealer
Top Head: 12mm
Bottom Head: 16mm
Stem Dia: 8mm X 8mm
Stem Length: 14mm
OE:MR322000



10

725261
Retainers W/ Sealer
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 10mm
OE:85284-4J500



12

725287
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12.5mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:84953-JA00A



12

725289
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 13mm
OE:80999-VE000, 01553-09791



12

725315
Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 8.5x9mm
OE:6822.LL



12

725317
Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 12mm
OE: 6991.S6, 77-03-077-468



10

725392
Retainers
Head Size: 30mm
Stem Dia: 6.5mm
Stem Length: 13mm
Black Nylon
OE:90814-FC001



12

725394
Retainers
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 11mm
OE:90913-0034



12

725395
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.3mm
Stem Length: 10mm
OE:69300-5370



10

725398
Retainers W/ Sealer
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:90913-0213



12

725400
Retaining Clips
Head Size: 9.3 X 14.5mm
Stem Dia: 7mm
Stem Length: 16mm
Front Hood Cowl
OE:91167-FA010



12

725473
Retainers
Top Head: 13mm
Bottom Head: 18mm
Stem Dia: 9.5mm
Stem Length: 13mm
OE:75867-33030, 75867-AA010

RETAINERS

Illustrations are actual size unless otherwise noted.



12

725474
Hood Seal Retainers
Bottom Head Dia: 13mm
Top Head Dia: 7mm
Stem Dia: 10mm
Black Nylon
OE:90080-46010



12

725476
Cowl Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm X 18mm
Stem Dia: 10.7mm
Stem Length: 12mm
OE:90467-09212



12

725479
Dash& Fender Apron Retainer
Bottom Head Dia: 16.5mm
Top Head Dia: 9mm
Stem Dia: 13mm
Black Nylon
OE:90467-10186



12

725512
Retainers
Top Head: 13mm
Middle Head: 13mm
Bottom Head: 17mm
Stem Dia: 8mm
OE:30653441



12

725535
Locking Pin Retainers
Head Size: 15.7mm
Overall Length: 27mm
Shoulder Dia: 8.8mm
Shoulder Len: 6.5mm
OE:N90565301,N90642001



12

725562
Retainers
Bottom Head Dia: 19mm
Top Head Dia: 28mm
Stem Dia: 9mm
Green & Black Nylon
OE:1H0-868-243



12

725564
Interior Trim Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13.5mm
Stem Dia: 9mm
Stem Length: 14mm
OE:703-867-299



12

725566
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 14mm
OE:7L5-853-994



10

725567
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12mm
Stem Dia: 10mm
Stem Length: 12mm
OE:357-853-585-A



12

725569
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12mm
Stem Dia: 10mm
Stem Length: 16mm
OE:357-853-575



12

725570
Retainers
Head Size: 25mm
Stem Length: 22mm
Front Fender, Bumper & Engine
Black Nylon
OE:4A0-805-121-A



12

725572
Retainers
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 11mm
OE:8E0-867-276



12

725590
Retainers
Top Head: 13mm
Bottom Head: 17.5mm
Stem Dia: 10mm
Stem Length: 16mm



25

720807
Trim Brd Retainer Frnt & Rear Door
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:30006620, 95008221, 67771-12050



12

725371
Moulding Retainers W/ Sealer
Bottom Head Dia: 18mm
Top Head Dia: 11mm X 15mm
Stem Dia: 9.7mm
Stem Length: 12mm
OE:90913-0007



10

720933
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 22mm
Top Head Dia: 16mm
Stem Dia: 9mm
Stem Length: 15mm
OE:5023111AA

RETAINERS

Illustrations are actual size unless otherwise noted.



720961
Door Trim Pnl Retainer / Sealer
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 8mm
Stem Length: 18mm
OE:55350747AB



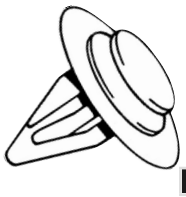
723250
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 8.5mm X 8.5mm
Stem Length: 15mm
OE:90467-09206



724019
Door Trim Pnl Retainer / Sealer
Bottom Head Dia: 16mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 15mm
OE:91560-SM4-003



724111
Cowl Vent Retainers W/ Sealer
Bottom Head Dia: 16mm
Top Head Dia: 13mm
Stem Dia: 8mm
Stem Length: 13mm
OE:5482103



724514
Tailgate MIding Retainer W/ Sealer
Head Dia: 13mm
Overall Length: 20mm
Fits: 9mm
Flange: 25mm
OE:22691056



724516
Rocker/fender Retainer W/sealer
Head Dia: 14mm
Overall Length: 19mm
Fits: 10mm
Trim Thickness: 2.5mm
OE:G18K-51-SJ3



724950
Trim Panel Retainers W/ Sealer
Bottom Hd Dia: 12mm X 16mm
Top Head Dia: 15mm
Stem Dia: 5mm
Stem Length: 34mm
OE:10350983



724991
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 11mm
OE:91560-S7A-003



724992
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 11mm
OE:91560-S0X-A01



725065
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 14mm
OE:84953-AU100



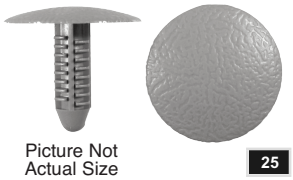
725124
Door Panel Retainer W/ Sealer
Fits: 8.5mm Hole
Top Head: 13mm
Bottom Head: 18mm
Overall Length: 20mm
OE:67773-0E020



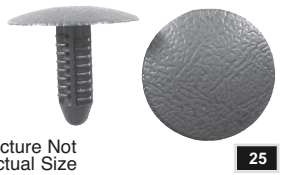
725142
Trim Retainers W/ Sealer
Top Head: 13mm X 16mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 9mm
OE:67771-32120



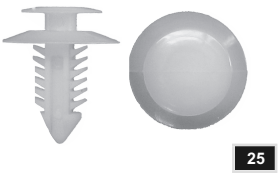
716304
Fascia Retainers
Bottom Head Dia: 7/16
Top Head Dia: 7/32
Stem Dia: 1/2
OE:N803170-S



716305
Trim Panel / Hood Insul. Retainer
Bottom Head Dia: 25mm
Top Head Dia: 8mm
Stem Dia: 20mm
Gray Nylon
OE:N802734-S, 22718305



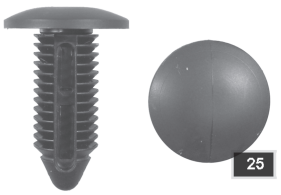
716306
Trim Panel & Hood Insul. Retainers
Bottom Head Dia: 25mm
Top Head Dia: 8mm
Stem Dia: 20mm
Black Nylon
OE:N802734-S, 22718305



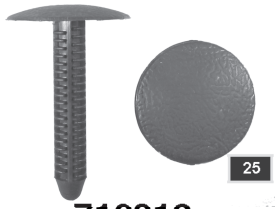
716308
Door Trim Panel Retainers
Bottom Head Dia: 19mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:01553-S3500

RETAINERS

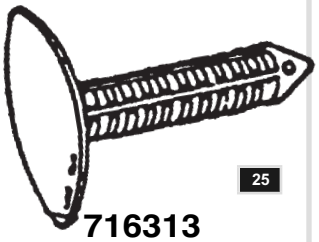
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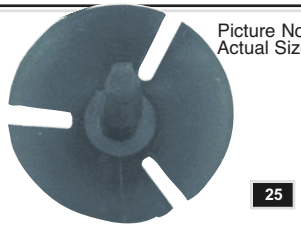
716309
Bumper Fascia Retainers
Bottom Head Dia: 22mm
Top Head Dia: 11mm
Stem Dia: 28mm
Black Nylon
OE:N804379S,1631564



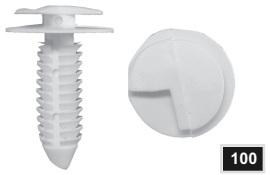
716312
Interior Trim Retainers
Bottom Head Dia: 26mm
Top Head Dia: 8mm
Stem Dia: 38mm
Black Nylon
OE:N-804349-S



716313
Trim Panel Clips
Bottom Head Dia: 3/4
Top Head Dia: 7/32
Stem Dia: 11/16
Black Nylon
OE:5208743, 4006529



716314
Hood Insul. / Fender Shld Retainer
Bottom Head Dia: 1-5/16
Top Head Dia: 3/8
Stem Dia: 3/4
Black Nylon
OE:4341060



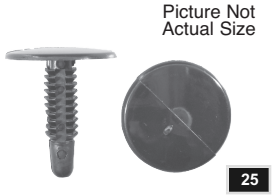
716315
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 5/8
Stem Dia: 5/16
Stem Length: 1”
OE:363137



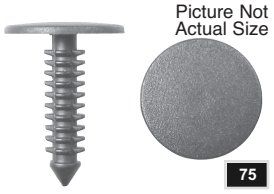
716316
Dash Panel Retainers
Bottom Head Dia: 7/16
Top Head Dia: 3/16
Stem Dia: 5/8
Black Nylon
OE:25016383



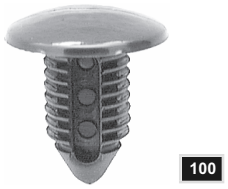
716319
Shield Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 5/8
Fender & Bumper
OE: 3691590, 6031321, 14093311, 20732399, 332364, 389358, 4004569



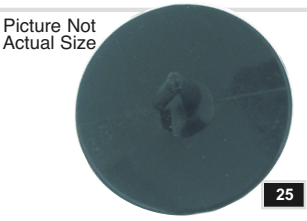
716321
Trim Panel Retainers
Bottom Head Dia: 1”
Top Head Dia: 9/32
Stem Dia: 1-1/16
Black Nylon
OE:388930-S



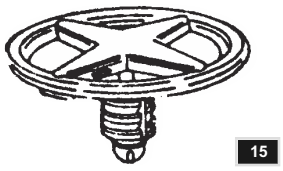
716322
Scrn Shroud Vent - Grille Retainer
Bottom Head Dia: 19/32
Top Head Dia: 7/32
Stem Dia: 3/4
Black Nylon
OE:20514862



716323
Front End Stone Shield Retainers
Bottom Head Dia: 7/8
Top Head Dia: 7/16
Stem Dia: 13/16
Black Nylon
OE:6503221,22512276



716325
Hood Insulation Retainers
Bottom Head Dia: 1-3/4
Top Head Dia: 3/8
Stem Dia: 3/4
Black Nylon
OE:388908-S



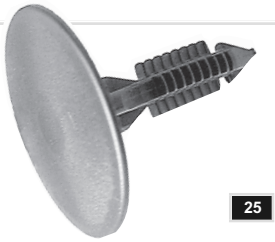
716326
Hood Insulation Retainers
Bottom Head Dia: 38mm
Top Head Dia: 7mm
Stem Dia: 9mm
Black Nylon
OE:65832-F5000, 65846-30F00



716331
Hood Insulation Retainers
Bottom Head Dia: 20mm
Top Head Dia: 5.5mm
Stem Dia: 9mm
Nylon
OE:F22Z-16774-A, G030-68-885B38, GA2A-56-694



716333
Retainers
Bottom Head Dia: 3/4
Top Head Dia: 9/32
Stem Dia: 1/2
Black Nylon
OE: 3861577, 20032850, 387258-S



716335
Dashboard Retainers
Bottom Head Dia: 1-1/4
Top Head Dia: 5/16
Stem Dia: 1-3/16
Black Nylon
OE:N-800387-S, N09-280305



716336
Door Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 21/32
Stem Dia: 5/16
Stem Length: 3/4
OE: 12337920, 20374473

RETAINERS

Illustrations are actual size unless otherwise noted.



25

716337
Door Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 1/2
Stem Dia: 5/16
Stem Length: 5/8
OE: N-802900, 21042958



25

716338
Door Trim Panel Retainers
Bottom Head Dia: 23/32
Top Head Dia: 5/16
Stem Dia: 5/8
White Nylon
OE:20429451



25

716339
Trim Panel Retainers
Bottom Head Dia: 1/2
Top Head Dia: 9/32
Stem Dia: 3/4
Black Nylon
OE:411700



25

716342
Rear Quarter Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 11/16
OE:20480475



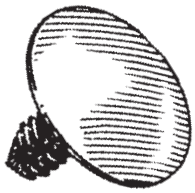
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716344
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 18mm
Stem Dia: 8mm
Stem Length: 13mm
OE:10287971



25

716349
Fascia To Bumper Retainers
Bottom Head Dia: 1”
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE:389443-S



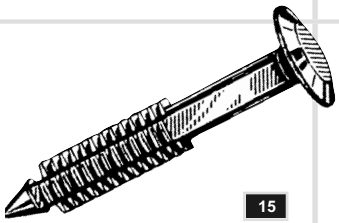
15

716350
Door Frame Spacer Retainers
Bottom Head Dia: 1”
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE: 4381395,6501086, 388904-S



15

716351
Rear Hood Seal Retainers
Bottom Head Dia: 3/4
Top Head Dia: 5/16
Stem Dia: 1-3/8
Black Nylon
OE:14074081



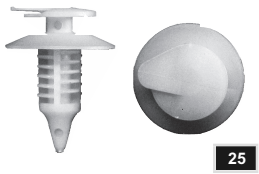
15

716352
Hood Seal Retainers
Bottom Head Dia: 19/32
Top Head Dia: 5/16
Stem Dia: 2”
Natural Nylon
OE:22527720



25

716356
Door Trim Panel Retainers
OE:20430421



25

716357
Trim Panel Retainers
Bottom Head Dia: 19mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE: 8934-201-681, 175-867-299



25

716672
Retainers
Bottom Head Dia: 12mm
Top Head Dia: 5mm
Stem Dia: 12mm
Black Nylon
OE:9924-90-512B



15

716681
Door Panel Retainers
Bottom Head Dia: 17mm
Top Head Dia: 15mm
Stem Dia: 10mm
Stem Length: 14mm
OE:9927-40-821



100

717130
Shield Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 13/16
Radiator Yoke, Fender & Bumper
OE: 6030441, 6036007AA , 6502078, 15958694, 1605396, 388577-S, W705589-S300



50

717131
Hood Insulation Retainers
Bottom Head Dia: 1/2 X 1-1/2
Top Head Dia: 9/32
Stem Dia: 5/8
Black Nylon
OE:4005513,6003351,385330-S, D30Z-16776-A



25

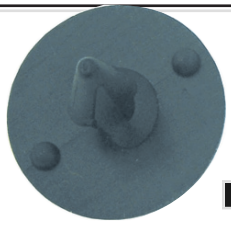
717134
Trim Panel Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 13/16
Hole: 1/4

RETAINERS

Illustrations are actual size unless otherwise noted.



717163
Door Trim Panel Retainers
Bottom Head Dia: 7/8
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 3/4
OE:3065575



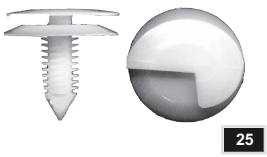
717319
Hood Insulation Retainers
Bottom Head Dia: 1-3/16
Top Head Dia: 3/8
Stem Dia: 3/4
Black Nylon
OE:385595-S, 386553-S



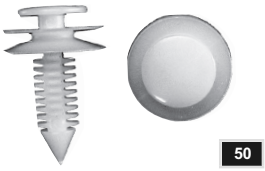
717320
Hood Insulation Retainers
Bottom Head Dia: 2”
Top Head Dia: 5/16
Stem Dia: 3/4
Black Nylon
OE:3078511, 3977775



718226
Fascia Retainers
Bottom Head Dia: 25mm
Top Head Dia: 7.5mm
Stem Dia: 20mm
Black Nylon
OE:6501067



718230
Door Trim Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 11/16
OE:4005470,6003349,6032363, 385661-S,9685057,N98905101



718415
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 33/64
Stem Dia: 5/16
Stem Length: 13/16
OE:389144-S



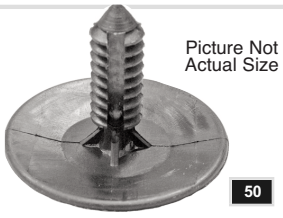
718422
Door Trim Panel Retainers
Bottom Head Dia: 25/32
Top Head Dia: 1/2
Stem Dia: 5/16
Stem Length: 5/8
OE:N801925-S



718430
Trim Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 15/16
OE:387496-S



718615
Hood Insulation Retainers
Bottom Head Dia: 1-21/32
Top Head Dia: 5/16
Stem Dia: 3/4
Black Nylon
OE:20064875



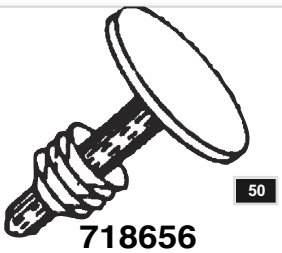
718616
Hood Insulation Retainers
Bottom Head Dia: 1-3/8
Top Head Dia: 5/16
Stem Dia: 15/16
Black Polypropylene
OE:20030401



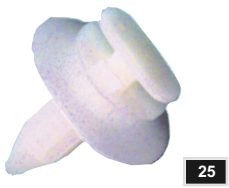
718618
Radiator Apron Panel Retainers
Bottom Head Dia: 1”
Top Head Dia: 7/16
Stem Dia: 13/16
Black Nylon
OE:1619321



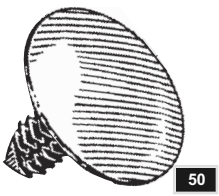
718627
Rubber Mat Fastener Retainer
Bottom Head Dia: 1”
Top Head Dia: 9/32
Stem Dia: 1-7/16
Black Nylon
OE:14027471



718656
Front Fender Flap Retainers
OE:1690410



718657
Door Trim Panel Retainers
Bottom Head Dia: 3/4 X 7/8
Top Head Dia: 9/32 X 19/32
Stem Dia: 5/16
Stem Length: 3/4
OE:10073833,15600382, 20421800



720059
Door Frame Spacer Retainers
Bottom Head Dia: 1”
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE:388904-S, 4381395, 6501086



720377
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 11/32
Stem Dia: 7/8
Sliding Door & Lift Gate
OE:6501301, 21094146

RETAINERS

Illustrations are actual size unless otherwise noted.



25

720380
Trim Panel Retainers
Bottom Head Dia: 5/8
Top Head Dia: 3/8
Stem Dia: 3/4
Trunk Lid Latch
OE:6504043, N807721-S



25

720383
Carpet & Shield Retainers
Bottom Head Dia: 1”
Top Head Dia: 1/4
Stem Dia: 25/32
Black Nylon
OE: N808370-S



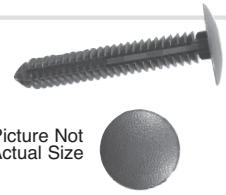
25

720384
Hdlight Mount. Shield Retainer
Bottom Head Dia: 1”
Top Head Dia: 19/64
Stem Dia: 1-1/16
Black Nylon
OE:6502104



12

720508
Trim Panel Retainers
Bottom Head Dia: 16mm
Top Head Dia: 5mm
Stem Dia: 13mm
Luggage Compartment
OE: 90467-05096-22



12

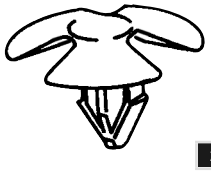
720599
Mud Flap Retainers
18mm Head
Fits: 6.3mm Hole



Picture Not
Actual Size

7

720632
Hood Insulation Retainers
Bottom Head Dia: 25mm
Top Head Dia: 9mm
Stem Dia: 10mm
Black Nylon
OE:88970747,94858509,
90467-09050



25

720907
Hood Insulator Retainers
Bottom Head Dia: 30mm
Top Head Dia: 8mm
Stem Dia: 12mm
Black Nylon
OE:4878883AA



25

720922
Trim Panel Retainers
Bottom Head Dia: 7/16
Top Head Dia: 7/32
Stem Dia: 11/16
Black Nylon
OE:6505417AA



25

720923
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 11/32
Stem Dia: 13/16
Black Nylon



25

720924
Trim Panel Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 13/16
Fits: 1/4 Hole



12

720925
Trim Panel Retainers
Bottom Head Dia: 23/32
Top Head Dia: 15/64 X 9/32
Stem Dia: 3/4
Black Nylon
OE:4717224



25

720927
Retainers
Bottom Head Dia: 5/8
Top Head Dia: 1/4
Stem Dia: 3/4

OE:6501948



12

720963
Bumper Cover Retainers
Bottom Head Dia: 13/32
Top Head Dia: 5/16
Stem Dia: 1-5/16
Postal Vehicles



12

721007
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 7/32
Stem Dia: 11/16
Black Nylon
OE:N801994-S100



12

723024
Bumper Fascia Retainers
Bottom Head Dia: 25mm
Top Head Dia: 13mm
Stem Dia: 15mm
Black Nylon
OE:6505686AA,15056810

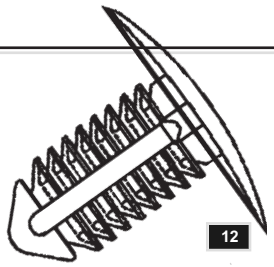


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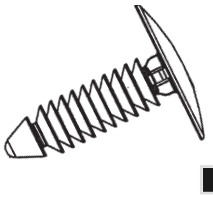
723104
Trim Panel Retainers
Bottom Head Dia: 16mm
Top Head Dia: 8mm
Stem Dia: 16mm
Luggage Compartment
OE:90467-08186

RETAINERS

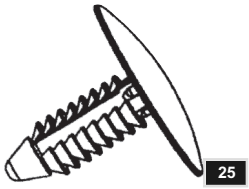
Illustrations are actual size unless otherwise noted.



723196
Strut Mounting Retainers
Bottom Head Dia: 15/16
Top Head Dia: 3/8
Stem Dia: 3/4
Engine Compart. & Front End
OE:22189414



723285
Rear Bumper Cover Retainers
Bottom Head Dia: 21mm
Top Head Dia: 7.5mm
Stem Dia: 25mm
Black Nylon
OE:W708035-S300



723338
Fender Apron Retainers
23.4mm O/L, 2-10mm P.R.
25.4mm Head
Fits: 6.35mm Hole
Black Nylon
OE:6506005AA,6506293AA



723349
Fender Flare Retainers
Bottom Head Dia: 18mm
Top Head Dia: 7.5mm
Stem Dia: 33mm
Black Nylon
OE:W709002-S



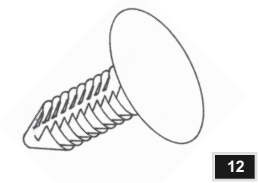
724028
Cowl / Fender Apron Retainers
Bottom Head Dia: 15mm
Top Head Dia: 4.5mm
Stem Dia: 14mm
Black Nylon
OE:01553-01182



724134
Bumper Cover Retainers
Bottom Head Dia: 19mm
Top Head Dia: 7.5mm
Stem Dia: 16mm
Fits: 6.35mm Hole
OE:90467-A0008



724153
Door Panel Retainers
Bottom Head Dia: 25/32
Top Head Dia: 11/16
Stem Dia: 5/16
Stem Length: 13/16
OE:10305191



724237
Fnder Apron - Rad. Baffle Retainer
Bottom Head Dia: 1”
Top Head Dia: 11/32
Stem Dia: 3/4
Black Nylon
OE:24501057



724260
Hood Insulation Retainers
Bottom Head Dia: 30mm
Top Head Dia: 15mm X 18mm
Stem Dia: 10mm
Black Nylon
OE:90700-SJ4-000



724532
Cowl Screen Retainers
Bottom Head Dia: 9/16
Top Head Dia: 19/64
Stem Dia: 13/32
1/4-20 X 7/16 Stud
OE:6503336



724553
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 8.5mm
Stem Dia: 20mm
Fits: 7mm Hole
OE:4860379-AA



724771
Bumper Retainers
Head Size: 19mm
Stem Dia: 8mm
Stem Length: 26mm
Bumper Retianer
OE:6509590-AA



724790
Trunk Trim & Insul. Retainers
Bottom Head Dia: 23mm
Top Head Dia: 8mm
Stem Dia: 20mm
Black Nylon
OE:6508727-AA



724810
Retainers
Head Size: 20mm
Stem Dia: 8mm
Stem Length: 23mm
Black Nylon
OE:14592087



724811
Retainers
Head Size: 20mm
Stem Dia: 8mm
Stem Length: 23mm
Gray Nylon
OE:14592086



724823
Hood Insulation Retainers
Head Size: 28mm X 30mm
Stem Length: 14mm
Overall Hgt: 16mm
Black Nylon
OE:W709688-S300

RETAINERS

Illustrations are actual size unless otherwise noted.


12

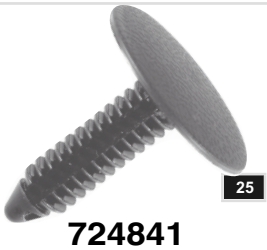
724838
Retainers
Bottom Head Dia: 20mm
Top Head Dia: 7mm
Stem Dia: 15mm
Black Nylon
OE:5R3Z-54310D12-BAA


12

724839
Retainers
Bottom Head Dia: 31mm
Top Head Dia: 7.6mm
Stem Dia: 13mm
Black Nylon
OE:W708633-S300


12

724840
Retainers
Bottom Head Dia: 20mm
Top Head Dia: 9mm
Stem Dia: 17mm
Black Nylon
OE:W715926-S300


25

724841
Retainers
Bottom Head Dia: 26mm
Top Head Dia: 7.5mm
Stem Dia: 28mm
Black Nylon
OE:W706635-SSW


12

724915
Headliner Retainers
Bottom Head Dia: 25mm
Top Head Dia: 8mm
Stem Dia: 58mm
Opal Gray Nylon
OE:25822063


12

724917
Fender & Headliner Retainers
Bottom Head Dia: 25.4mm
Top Head Dia: 8mm
Stem Dia: 27mm
Black Nylon
OE:15802005


12

724921
Retainers
Bottom Head Dia: 28mm
Top Head Dia: 8mm
Stem Dia: 17mm
Black Nylon
OE:15989431


12

724922
Retainers
Bottom Head Dia: 30mm
Top Head Dia: 7.8mm
Stem Dia: 15mm
Black Nylon
OE:11571159


12

724926
Retainers
Bottom Head Dia: 25mm
Top Head Dia: 5.8mm
Stem Dia: 25.5mm
Black Nylon
OE:11610747


12

724929
Retainers
Bottom Head Dia: 33mm
Top Head Dia: 8mm
Stem Dia: 41mm
Light Gray Nylon
OE:89026634


10

724931
Hood Insulation Retainers
Bottom Head Dia: 45mm
Top Head Dia: 9.5mm
Stem Dia: 20mm
Tan Nylon
OE:25749564


12

724932
Headliner Retainers
Bottom Head Dia: 25mm
Top Head Dia: 8.5mm
Stem Dia: 37mm
Tan Nylon
OE:10444839


12

724933
Headliner Retainers
Bottom Head Dia: 25mm
Top Head Dia: 7.5mm
Stem Dia: 22mm
Tan Nylon
OE:15944588


12

724934
Retainers
Bottom Head Dia: 33mm
Top Head Dia: 8mm
Stem Dia: 41mm
Tan Nylon
OE:89026635


12

724949
Trim Panel Retainers
Bottom Head Dia: 19mm
Top Head Dia: 7mm
Stem Dia: 22mm
White Nylon
OE:11561499


10

724953
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 16.5mm
Stem Dia: 10mm
Stem Length: 15mm
OE:11569700

RETAINERS

Illustrations are actual size unless otherwise noted.



12

724986
Retainers
Bottom Head Dia: 10mm
Top Head Dia: 5.5mm
Stem Dia: 7mm
Black Nylon
OE:91567-S3M-000



12

724989
Trunk Lid & Interior Trim Retainers
Bottom Head Dia: 18mm
Top Head Dia: 7mm X 7mm
Stem Dia: 13mm
Black Nylon
OE:90671-S0D-003ZK



12

724990
Hood Insulation Retainers
Bottom Head Dia: 30mm
Top Head Dia: 15mm X 21mm
Stem Dia: 14mm
Black Nylon
OE:91501-SWA-003



25

725027
Retainers
Bottom Head Dia: 5mm X 13mm
Top Head Dia: 8mm
Stem Dia: 11mm
Black Nylon
OE:86438-4A100



25

725029
Retainers
Bottom Head Dia: 6mm X 16mm
Top Head Dia: 8mm
Stem Dia: 14mm
Black Nylon
OE:86434-4A000



12

725086
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 8mm
Stem Dia: 16mm
Gray Nylon
OE:85746-06000LX



12

725087
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 8mm
Stem Dia: 16mm
Tan Nylon
OE:85746-06000RU



12

725100
Retainers
Head Size: 14mm
Stem Dia: 6mm
Stem Length: 17mm
Side Door Trim Panel
OE:MWC9134



10

725101
Retainers
Head Size: 10.7mm
Stem Dia: 5.8mm
Stem Length: 14mm
Door Panel
OE:MXC1800



12

725123
Bumper Retainers
Head Size: 16mm
Stem Dia: 4.7mm X 4.7mm
Stem Length: 12mm
Front
OE:90467-05125



25

725160
Retainers
Head Size: 15mm
Stem Dia: 6.5mm
Stem Length: 14mm
Black Nylon
OE:B003-68-865-00



12

725168
Retainers
Bottom Head Dia: 20mm
Top Head Dia: 7mm
Stem Dia: 10mm
Black Nylon
OE:TD11-56-694



10

725286
Hood Insulation Retainers
Bottom Head Dia: 28mm
Top Head Dia: 6mm
Stem Dia: 10mm
Black Nylon
OE:65846-4Z000



12

725290
Bumper & Trim Retainers
Bottom Head Dia: 12mm
Top Head Dia: 6mm
Stem Dia: 15mm
Black Nylon
OE:01553-01A50



12

725312
Retainers
Head Size: 21mm
Stem Dia: 7.5mm
Stem Length: 23mm
Black Nylon
OE:6983.17



12

725316
Retainers
Head Size: 10mm
Stem Dia: 8mm
Stem Length: 15mm
Internal Trim Retainer
OE:6992.31

RETAINERS

Illustrations are actual size unless otherwise noted.



12

725330
Retainers
Head Size: 13mm
Stem Dia: 7mm
Stem Length: 15mm
Black Nylon
OE:77-03-077-080



12

725331
Retainers
Head Size: 15mm
Stem Dia: 8mm
Stem Length: 17mm
Black Nylon
OE:77-03-077-231



12

725332
Retainers
Head Size: 35mm
Stem Dia: 10 X 10.5mm
Stem Length: 22mm
Black Nylon
OE:77-03-077-435



12

725333
Retainers
Head Size: 35mm
Stem Dia: 10.5mm
Stem Length: 22mm
Black Nylon
OE:77-03-077-225



12

725335
Retainers
Head Size: 13mm
Stem Dia: 7mm
Stem Length: 17mm
White Nylon



10

725393
Hood Insulation Retainers
Bottom Head Dia: 30mm
Top Head Dia: 7.7mm
Stem Dia: 13mm
Black Nylon
OE:90913-0074



12

725396
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 7.7mm
Stem Dia: 15mm
Black Nylon
OE:99045-AE03AMA



12

725397
Retainers
Bottom Head Dia: 20mm
Top Head Dia: 6mm
Stem Dia: 22mm
Black Nylon
OE:95022-AC040ML



12

725420
Hood Insulation Retainers
Head Size: 24mm
Stem Dia: 6mm X 6mm
Stem Length: 13mm
Black Nylon
OE:09409-06309-5ES



12

725475
Headliner Retainers
Bottom Head Dia: 20mm
Top Head Dia: 6mm
Stem Dia: 15mm
Tan Nylon
OE:90467-05164-E2



12

725477
Door & Roof Rail Retainers
Bottom Head Dia: 9mm
Top Head Dia: 5.3mm
Stem Dia: 8mm
Black Nylon
OE:67868-30030



12

725478
Fender Seal Retainers
Bottom Head Dia: 20mm
Top Head Dia: 8mm
Stem Dia: 8mm
Black Nylon
OE:90467-08136



12

725480
Headliner Retainers
Bottom Head Dia: 20mm
Top Head Dia: 6mm
Stem Dia: 15mm
Gray Nylon
OE:90467-05164-B6



12

725530
Retainers
Head Size: 23mm
Stem Dia: 11mm
Stem Length: 16mm
Radiator Grille, Scuff Plate
OE:1H0-867-199-01C



12

725561
Retainers
Bottom Head Dia: 23mm
Top Head Dia: 6.5mm
Stem Dia: 16mm
Black Nylon
OE:1H0-819-055-B01C



12

725565
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12mm
Stem Dia: 9.5mm
Stem Length: 12mm
OE:171-807-249-A

RETAINERS

Illustrations are actual size unless otherwise noted.



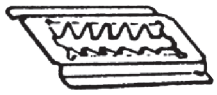
12

725571
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12mm
Stem Dia: 10mm
Stem Length: 20mm
OE:357-853-585



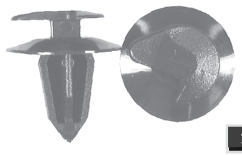
12

723056
Fender Flare / Mud Flap Retainer
Bottom Head Dia: 22mm
Top Head Dia: 7.5mm
Stem Dia: 35mm
Black Nylon
OE:W701855-S300



12

724197
Bumper / Grille Mounting Retainers
13.1 X 29.7mm
OE:86593-24000



25

718228
Door & Interior Trim Pnel Retainer
OE:6032235



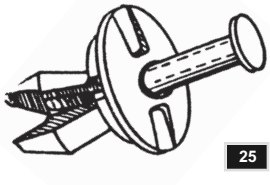
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718409
Push Type Retainer Pins
OE:800737-S



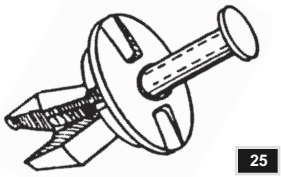
25

718644
Fascia Rivet Retainers
Head Dia: 1” (25.4mm)
Stem Dia: 3/4 (19mm)
Fits: 1/2 (12.7mm) Hole
Shoulder: 1/8(3.2mm)
OE:5973400



25

718645
Push Pin Type Rivet Retainers
22mm Washer Face
Fits: 9.5mm Hole
Rear Bump. Energy Absorb. Strip
OE:5973823



25

718646
Fascia Rivet Retainers
Head Dia: 1” (25.4mm)
Stem Dia: 7/8 (22mm)
Fits: 1/2 (12.7mm) Hole
Shoulder: 1/4(6.4mm)
OE:5973996



25

718662
Fascia Rivet Retainers
Head Dia: 1” (25.4mm)
Stem Dia: 23/32 (18.3mm)
Fits: 3/8 (9.5mm) Hole
Black Nylon
OE:14045480



25

718730
Push Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits: 1/4 (6.4mm) Hole
Front Fender Mud Skirt & Fender Liner
OE: 34201621, 6504090, 8934-201-621, 14019205, 14019206, 16514113, E3DZ-14A163A



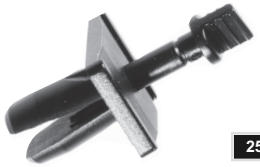
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718737
Push Type Rivet Retainers
Head Dia: 25mm
Stem Dia: 27mm
Fits: 7mm Hole
Black Nylon
OE:N804674-S



25

718740
Push Type Retainers
Head Dia: 21/32 (16.7mm)
Stem Dia: 19/32(15mm)
Fits: 5/16 (8mm) Hole
Black Nylon
OE:14039420



25

718742
Push Type Retainers
Head Dia: 19/32 X 3/4 (15 X
Stem Dia: 19/32(15mm)
Fits: 5/16 (8mm) Hole
Black Nylon
OE:14032200



25

718743
Push Type Retainers
8 X 27mm Head
Fits: 8mm Hole
Grille Attachment
OE:14015161,175-853-695A



50

718912
Push Type Retainers
Head Dia: 5/8(16mm)
Stem Dia: 7/16 (11mm)
Fits: 1/4 (6.4mm) Hole
Lic. Plate & Grille To Headlight Bracket
OE:383142-S



25

720025
Screw Type Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8(22mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:22538004

RETAINERS

Illustrations are actual size unless otherwise noted.



720386
Push Type Retainers
Head Dia: 15mm
Stem Dia: 27mm
Fits: 9mm Hole
Front Bumper
OE:90467-09096



720507
Push Type Retainers
Head Dia: 15mm
Stem Dia: 13mm
Fits: 6mm Hole
Front Fender Skirt
OE:90683-SA5-003



720548
Push Type Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 9mm Hole
Bumper Cover & Wheel Housing
OE:90467-09139



720549
Push Type Retainers
Head Dia: 18mm
Stem Dia: 15mm
Fits: 8mm Hole
Garnish Side Protector
OE:90505-SX0-003



720550
Push Type Retainers
Head Dia: 18mm
Stem Dia: 23mm
Fits: 9mm Hole
Bumper Cover
OE:94853733,90467-09101



720916
Push Type Retainers
Head Dia: 18mm
Stem Dia: 8mm
Bumper
Black Nylon & Santoprene



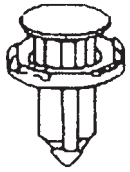
720917
Push Type Rivet Retainers
Head Dia: 19/32 (15mm)
Stem Dia: 3/4 (19mm)
Fits: 1/4 (6.4mm) Hole
Wheel Opening Moulding
OE:21077123



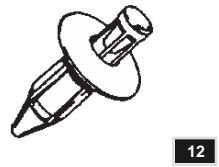
721032
Push Type Retainers
Head Dia: 17mm
Stem Dia: 16mm
Fits: 7mm X 7mm Hole
Tailgate Lining
OE:91570-SK7-003ZF



721033
Push Type Retainers
Head Dia: 16mm
Stem Dia: 9mm
Fits: 7mm Hole
Cowl Panel & Luggage Compartment
OE:90467-07146



723095
Push Type Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 9mm Hole
Fender & Bumper
OE: MR200300



723126
Retainers - Push To Release
9mm Stem
18mm Flange
6.3mm Hole Hole
Door Panel
OE:90467-07085



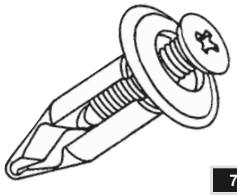
723203
Push Type Retainers
Head Dia: 20mm
Stem Dia: 22mm
Fits: 8mm Hole
Black Nylon
OE:63878-01E10



723260
Push Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 17mm
Fits: 7mm Hole
Side Radiator Shield
OE:6506132-AA



723295
Push Type Retainers
Head Dia: 18mm
Stem Dia: 22mm
Fits: 9mm Hole
Bumper Fascia
OE:63848-9E001



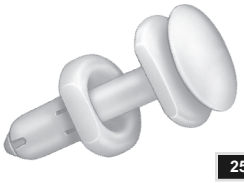
723381
Push Type Retainers
Head Dia: 18mm
Stem Dia: 20mm
Fits: 9mm Hole
Front Bumper
OE:63848-40Y00



724122
Push Type Retainers
Head Dia: 19.5mm
Stem Dia: 15mm
Fits: 10mm Hole
Bumper Cover & Grille
OE:GD7A-50-EA1

RETAINERS

Illustrations are actual size unless otherwise noted.


25

724129
Push Type Retainers
Head Dia: 9/16 (14.3mm)
Stem Dia: 41/64 (16.3mm)
Fits: 1/4 (6.4mm) Hole
Door Trim Panel
OE:15960325


5

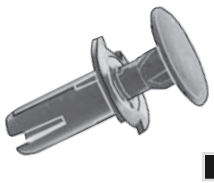
724264
Push Type Retainers
Head Dia: 18mm
Stem Dia: 14mm
Fits: 8mm Hole
Cowl Panel
OE:91508-SM4-003


6

724540
Push Type Retainers
Head Dia: 18mm
Stem Dia: 10mm
Fits: 6mm Hole
Trim Panel
OE:5R3Z-54310D12-AAA


12

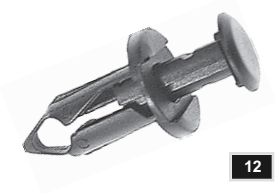
724543
Push Type Retainers
Head Dia: 22mm
Stem Dia: 10mm
Fits: 9mm Hole
Door Trim Panel
OE:OWX68BD5-AA


6

724549
Push Type Retainers
Head Dia: 15mm
Stem Dia: 17mm
Fits: 7mm Hole
Black Nylon
OE:90467-07188


6

724550
Push Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 9mm X 9mm Hole
Black Nylon
OE:90467-09166


12

724603
Push Type Retainers
Head Dia: 15mm
Stem Dia: 20mm
Fits: 8mm Hole
Rocker Panel, Whl Liner & Air Inlet Duct
OE: F3LY-14570-B, 11561878, 21075686


5

724604
Push Type Retainers
Head Dia: 20mm
Stem Dia: 13mm
Fits: 10mm Hole
Front Bumper
OE:91505-S9A-003


10

724707
Push Type Retainers
Fits: 10mm Hole
Head Size: 20mm
Stem Dia: 8mm Hole
Stem Length: 14mm
OE:91505-TM8-003


10

724744
Push Type Retainers
Head Dia: 15mm
Stem Dia: 15mm
Fits: 6.3mm Hole
Black Nylon


12

724745
Push Type Retainers
Fits: 8.5mm Hole
Head Size: 20mm
Stem Length: 21mm
Rear Bumper
OE:51-12-7-004-445


12

724746
Push Type Retainers
Fits: 6.3mm Hole
Head Size: 10mm
Stem Length: 11mm
Front Bumper, Grille
OE:51-46-7-002-606


12

724747
Push Type Retainers
Fits: 5mm Hole
Head Size: 9mm
Stem Length: 7mm
Trunk Lid Compartment
OE:51-47-8-166-992


12

724748
Push Type Retainers
Fits: 6.3mm Hole
Head Size: 20mm
Stem Length: 16mm
Rocker Panel, Air Duct Comp
OE:51-71-8-259-788


10

724749
Retainers
Head Size: 20mm
Stem Dia: 7mm
Stem Length: 33mm
Rocker Trim Wheel Housing
OE:07-14-7-122-913


10

724784
Push Type Retainers
Head Dia: 20mm
Stem Dia: 23mm
Fits: 10mm Hole
Black Nylon
OE:6508643-AA

RETAINERS

Illustrations are actual size unless otherwise noted.



724785
Push Type Retainers
Head Dia: 24mm
Stem Dia: 20mm
Fits: 11mm Hole
Shoulder: 3mm
OE:4389947-AA



724786
Push Type Retainers
Head Dia: 22mm
Stem Dia: 10mm
Fits: 9mm Hole
Gray Nylon
OE:OWX68XDB-AA



724787
Push Type Retainers W/ Sealer
Head Dia: 22mm
Stem Dia: 16mm
Fits: 9mm Hole
Black Nylon
OE:06509673AA



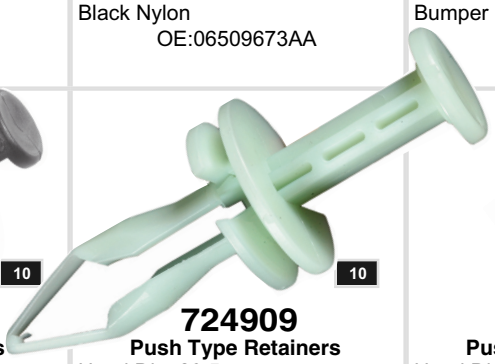
724788
Push Type Retainers
Fits: 8mm Hole
Head Size: 18mm
Stem Length: 10mm
Bumper
OE:6509960-AA



724837
Push Type Retainers
Fits: 7mm Hole
Head Size: 18mm
Stem Length: 12mm
Lower Radiator Shield
OE:W716510-S300



724908
Push Type Retainers
Head Dia: 25mm
Stem Dia: 29mm
Fits: 7mm Hole
Black Nylon
OE:11561874, 622A2-9E000, 622A2-9E000A



724909
Push Type Retainers
Head Dia: 23.5mm
Stem Dia: 36mm
Fits: 10mm Hole
Natural Nylon
OE:10426555



724910
Push Type Retainers
Head Dia: 12mm
Stem Dia: 14mm
Fits: 6mm Hole
Black Nylon
OE:22690838



724911
Push Type Retainers
Head Dia: 18mm
Stem Dia: 22mm
Fits: 6.5mm Hole
Black Nylon
OE:95230842



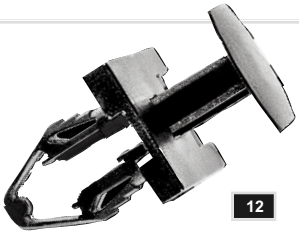
724912
Push Type Retainers
Head Dia: 18mm
Stem Dia: 20mm
Fits: 6.3mm Hole
Black Nylon
OE:11611110



724913
Push Type Retainers
6mm Stud Size
Fender, Quarter Panel & Grille
24mm OD
Zinc
OE:11588441



724914
Push Type Retainers
Head Dia: 26mm
Stem Dia: 12mm
Fits: 10mm Hole
Black Nylon
OE:22718369



724959
Push Type Retainers
Head Dia: 14mm X 21mm
Stem Dia: 16mm
Fits: 8mm Hole
Front & Rear Bumper Fascia
OE:92139147



724982
Push Type Retainers
Head Dia: 20mm
Stem Dia: 11mm
Fits: 10mm Hole
Black Nylon
OE:91503-S7A-003



724983
Push Type Retainers
Head Dia: 20mm
Stem Dia: 13mm
Fits: 10mm Hole
Black Nylon
OE:91503-SHJ-A01



724984
Push Type Retainers
Head Dia: 20mm
Stem Dia: 10mm
Fits: 8mm Hole
Black Nylon
OE:91501-TR0-003

RETAINERS

Illustrations are actual size unless otherwise noted.


10

724985
Push Type Retainers
Head Dia: 16mm
Stem Dia: 14mm
Fits: 7mm Hole
Gray Nylon
OE:91550-S50-000ZK


10

725025
Push Type Retainers
Head Dia: 15mm
Stem Dia: 10mm
Fits: 7mm Hole
Black Nylon
OE:86155-2H100


12

725026
Push Type Retainers
Head Dia: 10mm
Stem Dia: 13mm
Fits: 5mm Hole
Black Nylon
OE:86157-37000


10

725135
Push Type Retainers
Head Dia: 19mm
Stem Dia: 9mm
Fits: 7mm Hole
Black Nylon
OE:53259-0E010


12

725136
Push Type Retainers
Fits: 5.5mm Hole
Head Size: 13mm
Stem Length: 15mm
Inner Door Lock Plate, Engine
OE:90467-05136


10

725137
Push Type Retainers
Fits: 10mm Hole
Head Size: 20mm
Stem Length: 12mm
Front Bumper Extension
OE:51454-0E010,51454-48010


10

725138
Push Type Retainers
Fits: 13mm Hole
Head Size: 22mm
Stem Length: 14mm
Front Side Lower Fender Panel
OE:51453-0E010,51453-48010


10

725163
Push Type Retainers
Head Dia: 11mm
Stem Dia: 7mm
Black Nylon
OE:S51S-51-833


10

725164
Push Type Retainers
Head Dia: 10mm
Stem Dia: 9mm
Fits: 5mm Hole
Black Nylon
OE:EA01-50-037


12

725165
Push Type Retainers
Fits: 8mm Hole
Head Size: 13mm
Stem Length: 13mm
Black Nylon
OE:G14S-50-EA1


12

725166
Push Type Retainers
Fits: 6mm Hole
Head Size: 18mm
Stem Length: 14mm
Rear Trunk Liner
OE:B467-68-AC3-02


10

725201
Push Type Retainers
Fits: 6mm Hole
Head Size: 11mm
Stem Length: 16mm
Black Nylon/ Santoprene Rubber
OE:000-991-59-40


10

725202
Push Type Retainers
Fits: 8mm Hole
Head Size: 16mm
Stem Length: 11mm
Black Nylon
OE: 000-990-29-92, 000-990-60-92, 001-990-16-92, 114-990-01-92, 1104882, 1268642, 1719245, 9133417


10

725243
Push Type Retainers
Head Dia: 15mm
Stem Dia: 11mm
Fits: 6mm Hole
Black Nylon
OE:MR288150


10

725282
Push Type Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 8mm Hole
Gray Nylon
OE:01553-0038U


12

725283
Push Type Retainers
Head Dia: 20mm
Stem Dia: 15mm
Fits: 8mm Hole
Black Nylon
OE:01553-08231

RETAINERS

Illustrations are actual size unless otherwise noted.


10

725284
Push Type Retainers
Head Dia: 15mm
Stem Dia: 14mm
Fits: 5mm Hole
Black Nylon
OE:01553-06071


10

725285
Push Type Retainers
Head Dia: 20mm
Stem Dia: 8mm
Fits: 8mm Hole
Black Nylon
OE:84995-3J101


12

725310
Retainers
Fits: 8mm Hole
Head Size: 20mm
Stem Length: 13mm
9mm X 20mm Rectang. Head
OE:16-092-672-80,
77-03-072-416


12

725311
Retainers
Fits: 8mm Hole
Head Size: 20mm
Stem Length: 10mm
Black Nylon
OE:8211.WV


12

725313
Retainers
Fits: 6.3mm Hole
Head Size: 22mm
Stem Length: 14mm
Black Nylon
OE:6997.T2


12

725334
Push Type Retainers
Fits: 8mm Hole
Head Size: 18mm
Stem Length: 14mm
Black Nylon
OE:77-03-072-360


10

725374
Push Type Retainers
Head Dia: 21mm
Stem Dia: 15mm
Fits: 10mm Hole
Black Nylon
OE:90914-0007


10

725375
Push Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 7mm Hole
Black Nylon
OE:90914-0051


10

725376
Push Type Retainers
Head Dia: 20mm
Stem Dia: 12mm
Fits: 7mm Hole
Black Nylon
OE:90914-0063


5

725377
Push Type Retainers
Head Dia: 25mm
Stem Dia: 12mm
Fits: 11mm Hole
Shoulder: 3mm
OE:90914-0055


10

725378
Push Type Retainers
Head Dia: 18mm
Stem Dia: 10mm
Fits: 8mm Hole
Black Nylon
OE:90913-0067


12

725379
Push Type Retainers
Head Dia: 20mm
Stem Dia: 15mm
Fits: 10mm Hole
Black Nylon
OE:90913-0059


12

725380
Push Type Retainers
Head Dia: 16mm
Stem Dia: 13mm
Fits: 7mm Hole
Black Nylon
OE:91085-TA030


12

725381
Push Type Retainers
Head Dia: 14mm
Stem Dia: 15mm
Fits: 10mm Hole
Black Nylon
OE:57160-FC000


12

725382
Push Type Retainers
Head Dia: 16mm
Stem Dia: 11mm
Fits: 6mm Hole
Black Nylon
OE:90914-0012


12

725383
Push Type Retainers
Head Dia: 20mm
Stem Dia: 10mm
Fits: 8mm Hole
Black Nylon
OE:59122-FA010

RETAINERS

Illustrations are actual size unless otherwise noted.



725384
Push Type Retainers
Head Dia: 22mm
Stem Dia: 28mm
Fits: 10mm Hole
Black Nylon
OE:57750-AA090



725385
Push Type Retainers
Head Dia: 20mm
Stem Dia: 12mm
Fits: 7mm Hole
Black Nylon
OE:59122-AC030



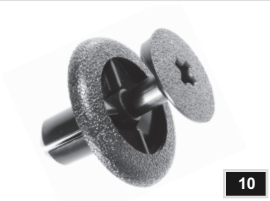
725386
Push Type Retainers
Head Dia: 9mm
Stem Dia: 7mm
Fits: 4mm Hole
Black Nylon
OE:90913-0003



725387
Push Type Retainers
Head Dia: 20mm
Stem Dia: 11mm
Fits: 7mm Hole
Black Nylon
OE:90914-0052



725388
Push Type Retainers
Head Dia: 15mm
Stem Dia: 8mm
Fits: 7mm Hole
Black Nylon
OE:46064-AE000



725389
Push Type Retainers
Head Dia: 20mm
Stem Dia: 11mm
Fits: 7mm Hole
Black Nylon
OE:90913-0051



725390
Push Type Retainers
Fits: 8mm Hole
Top Head: 25mm
Bottom Head: 21mm
Stem Length: 9mm
OE:94415-FA000NE



725391
Push Type Retainers
Head Dia: 25mm
Stem Dia: 16mm
Fits: 11mm Hole
Shoulder: 3mm
OE:90914-0002



725465
Push Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 7mm Hole
Radiator Splash Shield
OE:90467-07214



725466
Push Type Retainers
Head Dia: 16mm
Stem Dia: 14mm
Fits: 7mm Hole
Turn Signal Light
OE:90080-46294



725467
Push Type Retainers
Head Dia: 22mm
Stem Dia: 15mm
Fits: 9mm Hole
Bumper & Engine Under Cover
OE:90467-09227



725468
Push Type Retainers
Head Dia: 20mm
Stem Dia: 16mm
Fits: 8mm Hole
Rocker Panel
OE:75867-06030



725469
Push Type Retainers
Head Dia: 18mm
Stem Dia: 14mm
Fits: 7mm Hole
Wheel Opening
OE:53888-48010



725470
Push Type Retainers
Head Dia: 18mm
Stem Dia: 10mm
Fits: 9mm Hole
Front Spoiler & Grille
OE:90467-09185



725471
Push Type Retainers
Head Dia: 16mm
Stem Dia: 10mm
Fits: 8mm Hole
Cowl
OE:90467-10206



725472
Push Type Retainers
Head Dia: 11mm
Stem Dia: 9mm
Fits: 7mm Hole
Bumper Cover
OE:90467-07071-22

RETAINERS

Illustrations are actual size unless otherwise noted.


12

725553
Push Type Retainers
Head Dia: 12mm
Stem Dia: 11mm
Fits: 8mm Hole
Dark Gray Nylon
OE:N038-550-1


12

725554
Push Type Retainers
Head Dia: 16mm
Stem Dia: 15mm
Fits: 8mm X 8mm Hole
Black Nylon
OE:1H0-819-055-C01C


12

725555
Push Type Retainers
Head Dia: 24mm
Stem Dia: 13mm
Fits: 9mm X 9mm Hole
Black Nylon
OE:1H0-867-199-A


12

725556
Push Type Retainers
Head Dia: 18.5mm
Stem Dia: 11mm
Fits: 9mm Hole
Gray Nylon
OE:701-867-299


12

725557
Push Type Retainers
5mm Stud Size
Radiator Support & Splash Shie
30mm OD
Dacromet
OE:N90-796-501, N90-796-502, 441-863-987-B


12

725558
Push Type Retainers
5mm Stud Size
Splash Shield & Wheel Well
30mm OD
Dacromet
OE:N90-335-006


12

725559
Push Type Retainers
Head Dia: 14mm
Stem Dia: 10mm
Fits: 8.5mm Hole
Black Nylon
OE:333-867-633-4FB


10

725560
Push Type Retainers
Head Dia: 22.5mm
Stem Dia: 8mm
Fits: 8mm Hole
Black & White Nylon
OE:6Q0-868-243


25

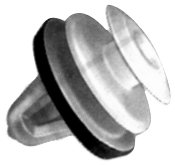
725603
Push Type Retainers
Head Dia: 1/2 (12.7mm)
Stem Dia: 1-7/32 (31mm)
Fits: 9/32 (7mm) Hole
Natural Nylon


15

716343
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:95005064,67771-01010


25

717616
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:894-226-4920,67771-01010, 67771-12010F, 9927-40-825


7

720546
Trim Panel Retainers
14mm Stem Length
13 X 18mm Head
Fits: 8mm Hole
OE:67771-06070


10

720966
Trim Panel Retainers
Bottom Head Dia: 17mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 13mm
OE:84915-0W000


12

724053
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 8.5mm X 9mm
Stem Length: 14mm
OE:90467-10188


12

724792
Trim Panel Retainers
Bottom Head Dia: 16mm
Top Head Dia: 13mm
Stem Dia: 11mm
Stem Length: 14mm


10

725040
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 10mm
Stem Length: 12mm
OE:82315-27000

RETAINERS

Illustrations are actual size unless otherwise noted.


12

725399
Trim Panel Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 9 X 9.5mm
OE:94078-FA080


12

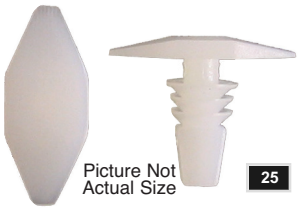
725563
Trim Panel Retainers
Bottom Head Dia: 28.5mm
Top Head Dia: 9.5mm
Stem Dia: 11mm
Tan & White Nylon
OE:1H0-868-243-B


10

725573
Trim Panel Retainers
Top Head: 16mm
Bottom Head: 16mm
Stem Dia: 10mm
Stem Length: 9mm
OE:6Q0-868-297


12

725578
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 22m
Stem Dia: 9mm
Stem Length: 11mm
OE:6K0-868-243-C



25

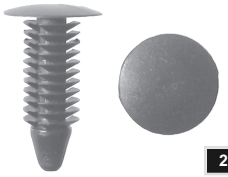
716328
Weatherstrip Retainers
Bottom Head Dia: 7mm X 16mm
Top Head Dia: 6mm
Stem Dia: 10mm
White Nylon
OE:80832-6500, 80833-8500, 90664-671-0030


25

716424
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 6mm
Stem Dia: 12mm
Black Nylon
OE: 6502328, 20699808


25

717212
Weatherstrip Retainers
Bottom Head Dia: 3/16 X 1/2
Top Head Dia: 3/16
Stem Dia: 7/16
Black Nylon
OE:4876498


25

720375
Weatherstrip Retainers
Bottom Head Dia: 3/8
Top Head Dia: 7/32
Stem Dia: 5/8
Black Nylon
OE:4658673


25

720379
Weatherstrip Retainers
Bottom Head Dia: 7/16
Top Head Dia: 7/32
Stem Dia: 5/16
Black Nylon
OE:10169777


25

720382
Weatherstrip Retainers
Bottom Head Dia: 3/8
Top Head Dia: 7/32
Stem Dia: 3/8
Black Nylon
OE:2964547


25

720499
Weatherstrip Retainers
Bottom Head Dia: 9/32 X 1/2
Top Head Dia: 7/32
Stem Dia: 21/32
Natural Nylon
OE:385677


25

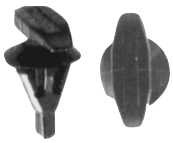
720765
Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 6mm
Stem Dia: 10mm
Red Nylon
OE:91530-SP1-003


5

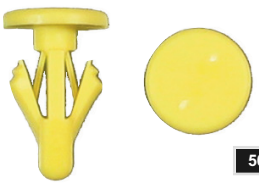
720766
Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 6mm
Stem Dia: 10mm
Natural Nylon
OE:91530-ST5-003


50

720934
Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 5mm
Stem Dia: 8mm
Natural Nylon
OE:N806340-S


10

720965
Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 6mm Hole
Stem Dia: 10mm
White Nylon
OE:67867-0C010, 67867-12150, 67868-02020


50

724079
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 9mm
Stem Dia: 14.5mm
Yellow Nylon

RETAINERS

Illustrations are actual size unless otherwise noted.



50

724171
Weatherstrip Retainers
Bottom Head Dia: 5mm X 14mm
Top Head Dia: 6.5mm
Stem Dia: 10mm
Blue Nylon



25

724606
Weatherstrip Retainers
Bottom Head Dia: 1/4 X 21/32
Top Head Dia: 1/4
Stem Dia: 15/32
White Nylon
OE:4696129, 21077575



12

724993
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 6mm
Stem Dia: 10mm
Black Nylon
OE:91567-SR2-013



12

725288
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 6mm
Stem Dia: 8mm
Black Nylon
OE:01553-08961



12

725493
Weatherstrip Retainers
Bottom Head Dia: 12mm
Top Head Dia: 6.5mm
Stem Dia: 11mm
Black Nylon
OE:90467-06128



12

725568
Weatherstrip Retainers
Bottom Head Dia: 6mm X 15mm
Top Head Dia: 7.5mm
Stem Dia: 17mm
Black Nylon
OE:1H0-837-719



12

725203
Retaining Pins
Head Size: 15mm X 15mm
Overall Length: 31mm
Rear Entry Scuff Plate
Black Nylon
OE:2D1-867-741,
A901-988-00-25

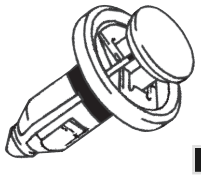
RIVETS

Illustrations are actual size unless otherwise noted.



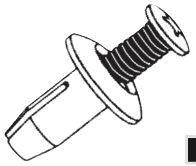
7

720677
Headlight Retaining Rivets
1/4 (m6.3) Rivet
19/32 Flange
13/32 Shoulder
Steel Body / Mandrel
OE:15022087



6

724519
Bumper Drive Type Rivets
Head Dia: 20mm
Stem Dia: 16mm
Fits: 10mm Hole
Panel Range: 8mm
OE:91506-S9A-003



12

724525
Rear Bumper Screw Type
Head Dia: 18mm
Stem Dia: 18mm
Fits: 8mm Hole
Panel Range: 3.8 - 5mm
OE:W710250-S300



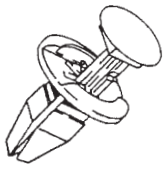
7

720785
Drive Type Rivets
Head Dia: 20mm
Stem Dia: 8mm
Fits: 7mm Hole
Front Fender Liner
OE:90467-07166



5

723013
Drive Type Rivets - Push To Release
Head Dia: 16mm
Stem Dia: 12mm
Fits: 7mm Hole
Liftgate Uppr Window & Lwr Garn. Moulding
OE:11517824,21035345



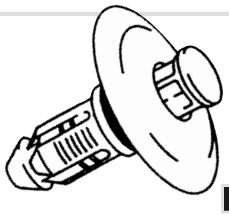
5

723031
Drive Type Rivets
Head Dia: 18mm
Stem Dia: 13mm
Fits: 7.5mm X 7.5mm Hole
Cowl Vent
OE:10301966,10425306



25

723109
Drive Type Rivets
10mm Flange
3 - 8mm Panel Range
5mm Hole
Front Bumper
OE:51161-881-149



5

723176
Drive Type Rivets - Push To Release
Head Dia: 25mm
Stem Dia: 12mm
Fits: 9mm Hole
Shoulder: 3mm
OE:W705956-S300

Picture Not Actual Size



12

724027
Drive Type Rivets
13mm Stem Lgth.; 20mm Flange
Frt. Bmpr./rad. Sup.; 2-6mm PR
8mm Hole
Front Bumper & Radiator
OE:11296-AG000



25

724109
Ergo-Tuflok Drive Rivets
Head Dia: 19mm
Stem Dia: 14mm
Fits: 8.5mm Hole
Fender Apron
OE:11609417



7

724116
Drive Type Rivets
Head Dia: 20mm
Stem Dia: 28mm
Fits: 8mm Hole
Bumper Fascia
OE:11519807,21095797



25

724138
Ergo-Tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 20mm
Fits: 6.5mm Hole
Air In. Grll, Bump Fascia & Fnt Brak Caliper Cool Duct
OE:11589290



12

724139
Ergo-Tuflok Drive Rivets
Head Dia: 20mm
Stem Dia: 22mm
Fits: 8.5mm Hole
Cowl Vent & Fender
OE:11589293,W712196-S300



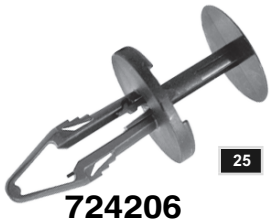
12

724140
Ergo-Tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 20mm
Fits: 9.5mm Hole
Fender, Wheel & Bumper
OE:11561368,6508712AA



25

724205
Ergo-Tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 17.5mm
Fits: 6.5mm Hole
Air Dist. & Windshield Defroster
OE:11589289,6508863AA



25

724206
Ergo-Tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 22mm
Fits: 6.5mm Hole
Air Dam & Grille
OE:11589291,W713331-S300

RIVETS

Illustrations are actual size unless otherwise noted.



724207
Ergo-Tuflok Drive Rivets
Head Dia: 19mm
Stem Dia: 16mm
Fits: 8mm Hole
Fascia & General Purpose
OE:15296830,5116530AA



724208
Ergo-Tuflok Drive Rivets
Head Dia: 20mm
Stem Dia: 20mm
Fits: 8.5mm Hole
Bumper Fascia, Flares & Air Dam
OE:11589292



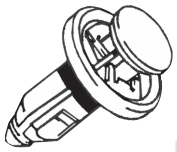
724209
Ergo-Tuflok Drive Rivets
Head Dia: 20mm
Stem Dia: 24mm
Fits: 8.5mm Hole
Bumper Fascia, Fender & Toe/floor Pnl
OE:11589294



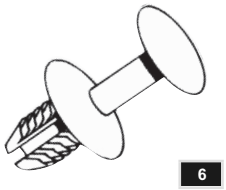
724210
Ergo-Tuflok Drive Rivets
Head Dia: 25mm
Stem Dia: 20mm
Fits: 10.5mm Hole
Fnder, Flare, Gas Tank & Panel Attach.
OE: 5GUU9K11BA, 11589295, W712665-S300



724211
Ergo-Tuflok Drive Rivets
Head Dia: 25mm
Stem Dia: 23mm
Fits: 10.5mm Hole
Panel Attachment & General Purpose
OE:11589296



724511
Bumper Drive Typ. Rivet /metal Insert
Flange Dia: 20mm
Stem Dia: 13mm
Fits: 10mm Hole
Panel Range: 6mm
OE:91505-S9A-003



724517
Hood Insul. Drive Type Rivets
Head Dia: 20mm
Stem Dia: 9.5mm
Fits: 8mm Hole
Panel Range: 5mm
OE:230-990-01-92



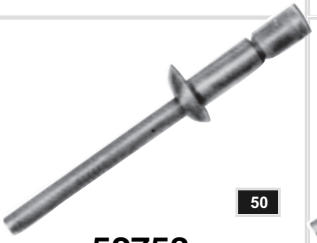
52750
Structural Rivets
Dia.: 3/16
Grip Range: .062 - .270
Body: Aluminum
Mandrel: Aluminum



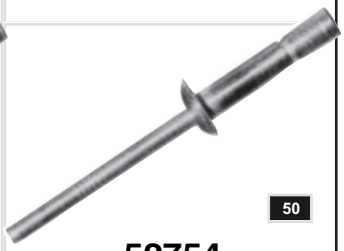
52751
Structural Rivets
Dia.: 3/16
Grip Range: .214 - .420
Body: Aluminum
Mandrel: Aluminum



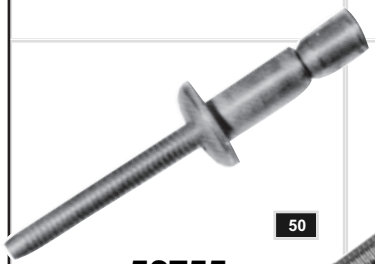
52752
Structural Rivets
Dia.: 1/4
Grip Range: .080 - .375
Body: Aluminum
Mandrel: Aluminum



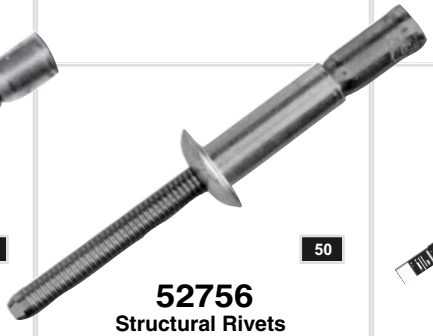
52753
Structural Rivets
Dia.: 3/16
Grip Range: .062 - .270
Body: Steel
Mandrel: Steel



52754
Structural Rivets
Dia.: 3/16
Grip Range: .214 - .420
Body: Steel
Mandrel: Steel



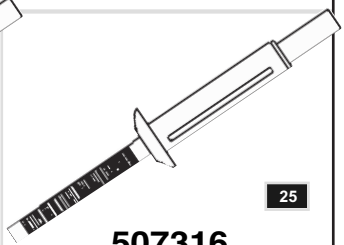
52755
Structural Rivets
Dia.: 1/4
Grip Range: .080 - .375
Body: Steel
Mandrel: Steel



52756
Structural Rivets
Dia.: 1/4
Grip Range: .350 - .625
Body: Steel
Mandrel: Steel



507315
Klamp-Tite Rivets
Dia.: 3/16
Drill Size: No. 5
Grip Range: .050 - .250
Body: Aluminum



507316
Klamp-Tite Rivets
Dia.: 3/16
Drill Size: No. 5
Grip Range: .187 - .375
Body: Aluminum

RIVETS

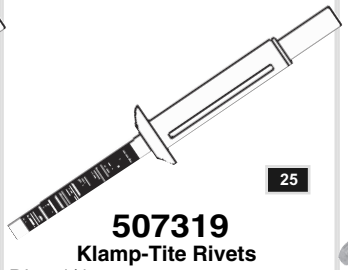
Illustrations are actual size unless otherwise noted.



507317
Klamp-Tite Rivets
Dia.: 3/16
Drill Size: No. 5
Grip Range: .312 - .563
Body: Aluminum



507318
Klamp-Tite Rivets
Dia.: 1/4
Drill Size: 'F'
Grip Range: .060 - .250
Body: Aluminum



507319
Klamp-Tite Rivets
Dia.: 1/4
Drill Size: 'F'
Grip Range: .187 - .375
Body: Aluminum



720501
Peel Type Rivets
3/16 (4.8mm) Rivet
1/2 Flange
Side Door Lock Attachment

OE:W525170-S417



720525
Rivets
5/32 (4mm) Rivet
15/32 (12mm) Flange
Bumper & Wheel Housing
1/8 - 11/32 (3 - 8.5mm) Grip
OE:979878-6



720531
Peel Rivets
1/4 (m6.3) Rivet
Grip Range: 1/8-21/64
3/4 Flange
Door Lock Actuator
OE:N808689-S417



720771
Closed Sealing Rivets
5mm Rivet
9.5mm Flange
Windshield Side Moulding

OE:90084-26001



723019
Peel Type Rivets
1/4 (m6.3) Rivet
Grip Range: .188-.250
1/2 Flange
Window Regulator
OE:9437643



723117
Closed End Type Rivets
4mm (5/32) Rivet
Grip Range: 1.6-6.3mm
7.9mm Flange
Front & Rear Door Window
OE:90084-26002



723128
Moulding Blind Rivets
3.2mm Rivet
Grip Range: 1-4.75mm
8mm Flange
4mm Hole
OE:90269-04053



723182
Blind Rivets
4mm (5/32) Rivet
Grip Range: 1.0-7.5mm (.040
8mm (5/16) Flange
Aluminum Body/mandrel
OE:6034212,10131511,
N807620-S100



723388
Blind Rivets
5/32 Dia.
Grip Range: 0.040 - 0.250
7/16 Flange
Front Bumper Impact Asborber
OE:6036148AA



724012
Rear Bumper Blind Rivets
4mm (5/32) Rivet
Grip Range: 0.187 - 0.472 (5 - 12mm)
0.325 (8.25mm) Flange
Aluminum Body/mandrel
OE:12531204



724186
Closed End Seal Type Blind Rivets
3/16 (5mm) Rivet
Grip Range: .126-.248 (3.2-6.3mm)
3/8 (9.5mm) Flange
Aluminum Body/steel Mandrel



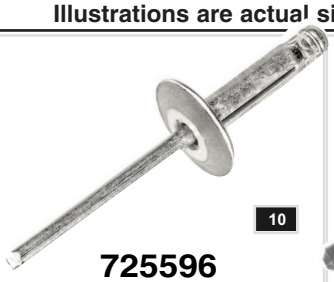
724512
Bumper Blind Rivets
Head Dia: 5/16 (m8)
Dia: 5/32 (m4)
.040 - .275 (1 - 7.5mm) Grip Range
Leg Retention Style
OE:003-990-94-97



725595
Closed End Rivets
Diameter: 1/4
Grip: 1/4-3/8
Flange: 1/2
Alum Rivet/ Steel Mandrel

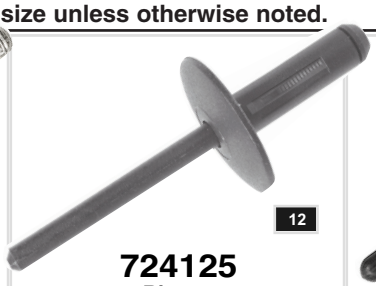
RIVETS

Illustrations are actual size unless otherwise noted.



10

725596
General Purpose Rivets
Diameter: 3/16
Grip: 7/64-3/8
Flange: 5/8
Alum Rivet/



12

724125
Rivets
7/32 (5.6mm) Dia.
7/64-3/16 (2.5-4.8mm) Grip
25/32 (20mm) Flange Dia.
Black Nylon
OE:51-71-7-002-953-2



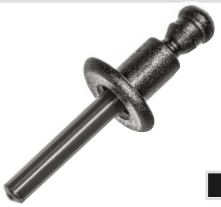
12

724555
Nylon Rivets
Flange Dia: 21/32 (m16.5)
Dia: 1/4 (m6.3)
5/32 - 3/8 (4 - 10mm) Grip Range
Black
OE:15614746



12

724731
Rivets
Diameter: 6mm
Grip: 1mm X 9mm
Flange: 13mm
Black Nylon
OE:51-11-1-942-789



12

724754
Rivets
Diameter: 6mm
Grip: 1 - 6.5mm
Flange: 13mm
Front Bumper
OE:51-11-8-400-709



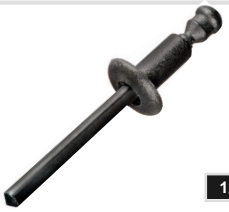
10

724783
Nylon Rivets
Fits: 1/4
Panel Range: 5/32 X 15/64
Flange Dia: 1-3/32
Fender Liner
OE:6508444-AA



12

724907
Rivets
Fits: 4.95mm
Panel Range: 3mm - 6mm
Blind
Black Nylon
OE:11588308



12

725314
Rivets
Diameter: 4mm
Grip: 1.2 - 6.5mm
Flange: 9mm
Black Nylon
OE:6973.A9



12

725350
Rivets
Diameter: 6mm
Grip: 2.0 - 8.5mm
Flange: 13mm
Natural Nylon
OE:N908-131-01



25

817105
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/16-11/64 (1.5-4.5mm)
15/32 (12mm) Head Dia.
Automotive OEM Approved
OE:N804189-S,20423647



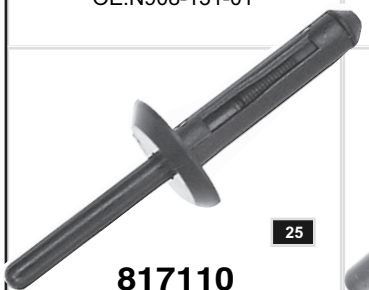
25

817106
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/8-15/64 (3-6mm)
15/32 (12mm) Head Dia.
Automotive OEM Approved
OE:6500899,175-853-577,
20432975



25

817107
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/8-3/16 (3-4.75mm)
15/32 (12mm) Head Dia.
Automotive Oem Approved
OE:6500859



25

817110
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:6500911,14063981,
8934-201-631, N803043-S



25

817111
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
1/2 (12.5mm) Head Dia.
Automotive OEM Approved
OE:6501559,20452072,
N803862-S



25

817112
Nylon Blind Rivets
17/64 (6.75mm) Hole Dia.
Grip Range: 3/32-3/16 (2.5-4.75mm)
1/2 (12.5mm) Head Dia.
Automotive OEM Approved
OE:15595172,20421672



25

817113
Nylon Blind Rivets
17/64 (6.75mm) Hole Dia.
Grip Range: 3/32-3/16 (2.5-4.75mm)
23/32 (18mm) Head Dia.
Automotive OEM Approved
OE:20433026,175-853-577A

RIVETS

Illustrations are actual size unless otherwise noted.



25

817114
Nylon Blind Rivets
3.96mm Hole Dia.
Grip Range: 6.0mm -10.5
8.0mm X 15.0mm Head Dia.
Automotive OEM Approved
OE:N804583-S



25

817117
Nylon Blind Rivets
6.3mm Hole Dia.
1/32-5/32 (.5mm - 4.0mm)
16.5mm Head Dia.
Automotive OEM Approved
OE:N804134-S



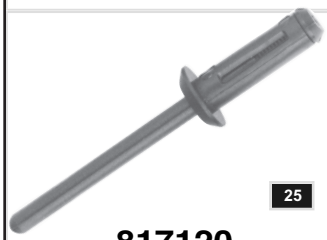
25

817118
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 19/64-27/64 (7.5-11mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:4370138,N804675-S,
N804759-S



25

817119
Nylon Blind Rivets
6.75mm Hole Dia.
Grip Range: 1.0 - 4.0mm Grip Range
20.5mm Head Dia.
Automotive OEM Approved
OE:10069112



25

817120
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/8-5/32 (3-4mm)
11/32 (9mm) Head Dia.
Automotive OEM Approved
OE: 6004212, 20465395



25

817121
Nylon Blind Rivets
3/16 (4.75mm) Hole Dia.
Grip Range: 1/16-11/64 (1.5-4.5mm)
11/32 (9mm) Head Dia.
Automotive OEM Approved
OE:20612732



25

817122
Nylon Blind Rivets
3/16 (4.75mm) Hole Dia.
Grip Range: 1/16-9/64 (1.5-3.5mm)
3/8 (9.5mm) Head Dia.
Automotive OEM Approved
OE:N805132-S



25

817123
Nylon Blind Rivets
15/64 (6mm) Hole Dia.
Grip Range: 11/64-11/32 (4.5-8.5mm)
1/2 (12.5mm) Head Dia.
Automotive OEM Approved
OE:25524005



25

817124
Nylon Blind Rivets
15/64 (6mm) Hole Dia.
Grip Range: 5/32-5/16 (4-8mm)
5/8 (16mm) Head Dia.
Automotive OEM Approved
OE:10036503



25

817128
Nylon Blind Rivets
6.3mm Hole Dia.
Grip Range: 4.0 - 10.0mm
17.0mm Head Dia.
Automotive OEM Approved
OE:N806296-S



25

817129
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:15506827



25

817130
Nylon Blind Rivets
9/32 (7mm) Hole Dia.
Grip Range: 3/32-15/64 (2.5-6mm)
23/32 (18mm) Head Dia.
Automotive OEM Approved
OE:10109689,12337915



100

52612
Special Rivets
Dia.: 1/8
Drill Size: 1/8
Grip Range: 1/16 To 3/16
Body: Aluminum



100

52613
Special Rivets
Dia.: 1/8
Drill Size: 1/8
Grip Range: 1/8 To 1/4
Body: Aluminum



100

52708
Special Rivets
Dia.: 1/8
Drill Size: 1/8
Grip Range: 1/8 To 3/16
Body: Aluminum



25

527101
Special Rivets
Dia.: 1/4
Grip Range: 7/64 To 11/64
1/2 Flange Dia.
Body: Aluminum
OE:20713843

RIVETS

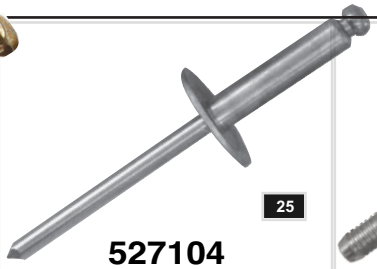
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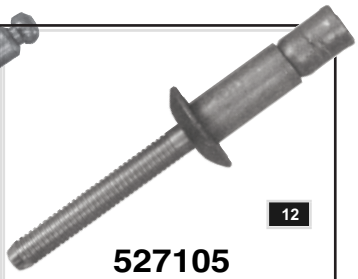
527102
Special Rivets
Dia.: 1/4
Grip Range: 9/64 To 3/16
1/2 Flange Dia.
Body: Aluminum
OE: 6032926, 9437486



527103
Special Rivets
Dia.: 1/4
Grip Range: 3/32 To 1/8
1/2 Flange Dia.
Body: Aluminum
OE:388047-S102



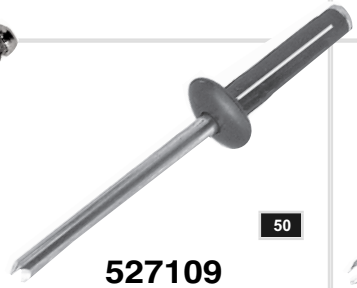
527104
Special Rivets
Dia.: 3/16
Grip Range: 1/2 To 5/8
5/8 Flange Dia.
Body: Aluminum
OE:2085119, 3533539, 3540161



527105
Special Rivets
Dia.: 1/4
Grip Range: 5/64 To 5/16
1/2 Flange Dia.
Body: Aluminum
OE:10157547



527108
Special Rivets
Dia.: 3/16
Grip Range: 1/4 To 3/8
5/8 Flange Dia.
Body: Steel
OE:9439719



527109
Special Rivets
Diameter: 3/16
Grip Range: 5/64 To 15/64
7/16 Flange Dia.
Body: Aluminum
OE:N805592-S100, 25618730



527110
Special Rivets
Dia.: 3/16
Grip Range: 5/64 To 15/64
3/8 Flange Dia.
Body: Aluminum
OE:10125439



527111
Special Rivets
Dia.: 1/8
Grip Range: 1/8 To 3/16
3/8 Flange Dia.
Body: Aluminum
OE:9432552



527112
Special Rivets
Dia.: 3/16
Grip Range: 1/8 To 3/16
3/8 Flange Dia.
Body: Steel
OE:9439576



527113
Special Rivets
Dia.: 3/16
Grip Range: 1/8 To 1/4
3/8 Flange Dia.
Body: Steel
OE:9440392



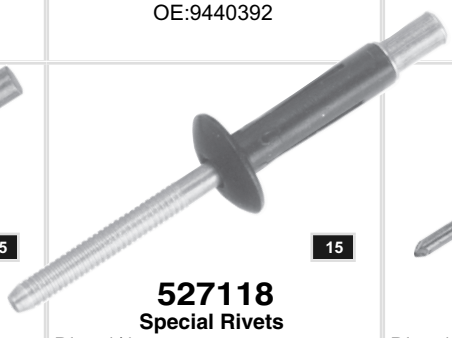
527114
Special Rivets
Dia.: 1/8
Grip Range: 1/8 To 3/16
5/16 Flange Dia.
Body: Aluminum
OE:20325696



527115
Special Rivets
Dia.: 1/8
Grip Range: 1/16 To 1/8
3/8 Flange Dia.
Body: Aluminum
OE:N805759-S100



527117
Special Rivets
Dia.: 5/32
Grip Range: 1/8 To 3/16
5/16 Flange Dia.
Body: Aluminum
OE: 6032138, 9432137



527118
Special Rivets
Dia.: 1/4
Grip Range: 1/16 To 1/4
9/16 Flange Dia.
Body: Aluminum
OE:N804851-S100



52721
Special Rivets
Dia.: 1/8
Drill Size: 1/8
Grip Range: 1/16 To 3/16
Body: Stainless Steel



52727
Special Rivets
1/4 Dia.
Grip Range: 1/32 To 9/64
Window Regulator, Glass
1/2 Flange Dia.
OE: 6031115, 004005791, 385189-S100, 9436175

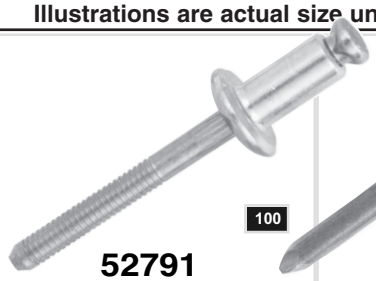
RIVETS

Illustrations are actual size unless otherwise noted.



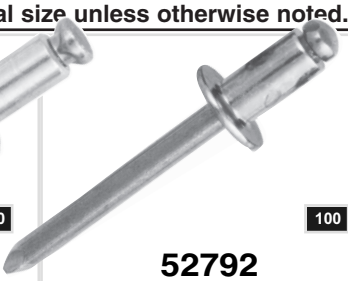
50

52729
Special Rivets
1/4 Dia.
Grip Range: 11/64 To 3/4
Window Regulator, Glass
1/2 Flange Dia.
OE:389268-S100, 12338153, 20184399



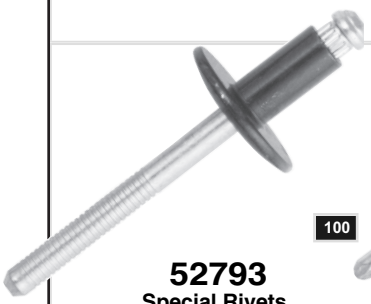
100

52791
Special Rivets
1/4 Dia.
Grip Range: 3/32 To 1/8
Window Regulator, Glass
1/2 Flange Dia.
OE:388047-S100, 14078435



100

52792
Special Rivets
Dia.: 1/4
Grip Range: 1/8 To 1/4
1/2 Flange Dia.
Body: Steel
OE:372820-S36, 372820-S



100

52793
Special Rivets
Dia.: 1/4
Grip Range: 1/8 To 1/4
3/4 Flange Dia.
Body: Steel
OE:388442-S100



100

52794
Special Rivets
Dia.: 3/16
Grip Range: 3/8 To 1/2
9/16 Flange Dia.
Fascia & Bumper
OE:388664-S100



12

724791
Specialty Rivets
Diameter: 1/8
Grip: 1/32 - 3/16
Flange: 1/4
Blk Alum Rivet/ Steel Mandrel
OE:6508540-AA



10

724849
Specialty Rivets
Diameter: 1/4
Grip: 3/16 - 3/8
Flange: 11/16
Bumper Cover Split Type
OE:W705297-S300



10

724850
Specialty Rivets
Diameter: 1/4
Grip: 1/64 - 7/32
Flange: 3/4
Attaches Power Lock Motor/sole
OE:W710079-S300



12

724851
Specialty Rivet
Diameter: 5/32 (4mm)
Grip: 3/64 - 1/8
Flange: 3/8 (9mm)
Black Alum Rivet/steel Mandrel
OE:W713819-S900



10

725141
Specialty Rivets
Diameter: 3.2mm (1/8)
Grip: 1/16 - 1/8
Flange: 9.5mm
Alum Rivet/ Mandrel
OE:90269-03064



10

725206
Specialty Rivets
Diameter: 1/4 (6.3mm)
Grip: 3/16 - 17/64
Flange: 1/2
Steel Rivet/ Mandrel
OE:004-990-16-97



10

725487
Specialty Rivets
Diameter: 1/4 (6.3mm)
Grip: 1/16 - 3/16
Flange: 1/2
Black Alum Rivet/steel Mandrel
OE:90269-A0005



12

725488
Specialty Rivets
Diameter: 5/32 (4mm)
Grip: 3/64 - 3/8
Flange: 15/32
Black Alum Rivet/steel Mandrel
OE:90269-06054



12

720667
Rivets
3/16 Rivet
3/8 Flange Dia.
Door Handle
1/16 - 7/64 Grip Range
OE:22585836,22641917



12

723202
Blind Peel Type Rivets
1/4 (m6.3) Rivet
Grip Range: .126-.250 (3.2-6.3mm)
1/2 (12.7mm) Flange
Door Window Regulator
OE:2024778

RIVETS

Illustrations are actual size unless otherwise noted.



723347
Belt Moulding Blind Rivets
3.2mm (0.126) Rivet
Grip Range: 3.2-4.75mm
9.5mm Flange
8.5mm Length
OE:N808376-S417



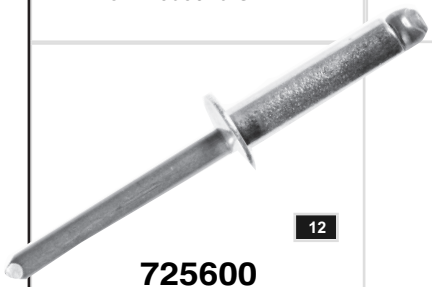
724013
Bumper Blind Rivets
3/16 (4.8mm) Rivet
Grip Range: .251 - .375 (6.4 - 9.5mm)
5/8 (15.9mm) Flange
Steel Body/ Mandrel
OE:9433186



724852
All Steel Specialty Rivets
Diameter: 1/4 (6.3mm)
Grip: .110 - .189
Flange: 1/2 (13mm)
Galvanized Rivet/ Steel Mandrel
OE: W702512-S900C,
W708777-S437

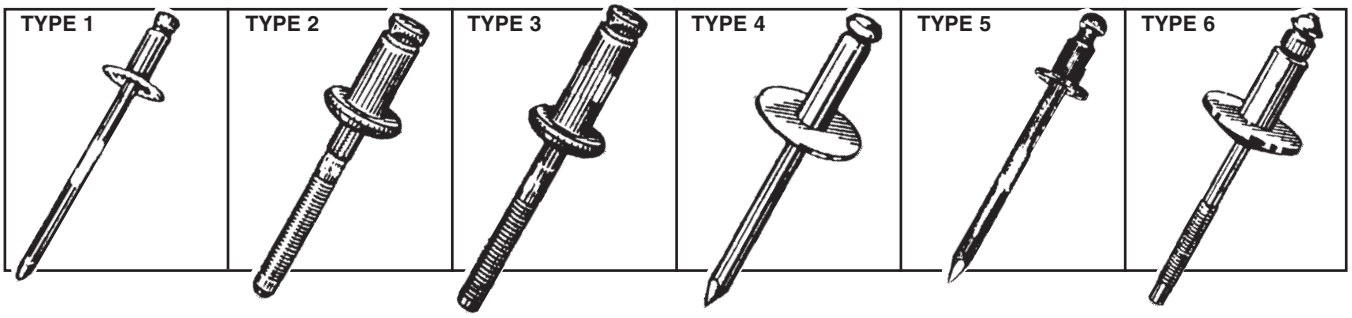


724938
Rivets
Diameter: M4.8 (3/16)
Grip: 1.5 - 6mm
Flange: 9mm
Steel Rivet/ Mandrel



725600
Blind Rivets
1/2 Dia. Dome Head
1/4 Diameter Rivet
Grip: 5/8 - 3/4
Steel Rivet/ Mandrel

RIVETS



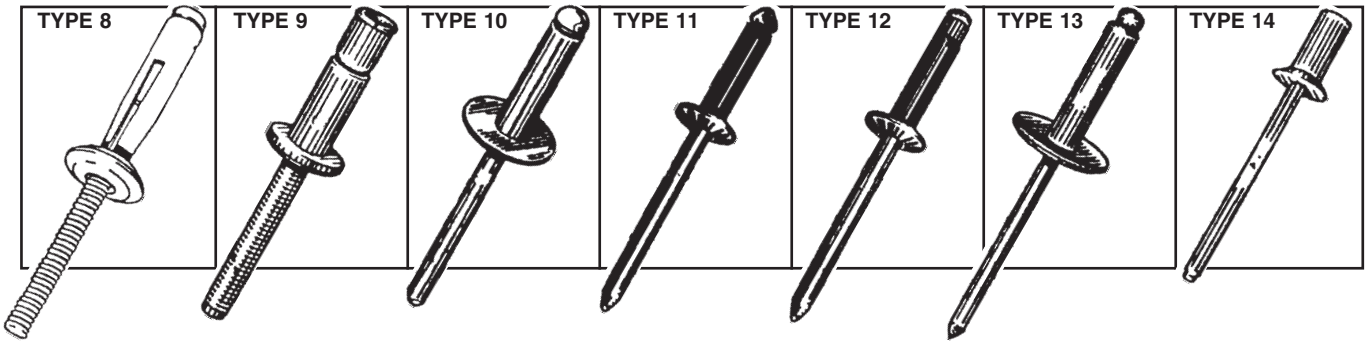
TRIM RIVETS (For actual size illustrations, see individual listing)

RIVET DIA. "A" INCHES	HEAD DIA. "B" INCHES	RIVET LENGTH "C" INCHES	GRIP RANGE INCHES	DRILL SIZE † INCHES	PART NUMBER	TYPE	MATERIALS BODY / MANDREL	O.E.M. NUMBER	APPLICATION	QTY
1/8	3/16	9/32	1/16 to 3/16	No. 30 or 1/8	**52612***	1	Aluminum / Aluminum	Universal	Standard Aluminum Trim Rivet, Applications up to 3/16"	200
1/8	3/16	3/8	1/8 to 1/4	No. 30 or 1/8	**52613***	1	Aluminum / Aluminum	Universal	Long Aluminum Trim Rivet Applications up to 1/4"	200
1/8	3/16	9/32	1/16 to 3/16	No. 30 or 1/8	**52721***	1	Stainless Steel / Stainless Steel	Universal	Stainless Steel Clip Rivet, Stainless version of 52612 for Higher Strength Appl.s	200
1/8	1/4	3/8	1/8 to 3/16	No. 30 or 1/8	**52708**	1	Aluminum / Aluminum	Universal	Aluminum Trim Channel Rivet	200

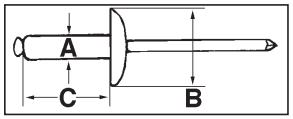
WINDOW, GLASS and DOOR RIVETS (For actual size illustrations, see individual listing)

RIVET DIA. "A" INCHES	HEAD DIA. "B" INCHES	RIVET LENGTH "C" INCHES	GRIP RANGE INCHES	DRILL SIZE † INCHES	PART NUMBER	TYPE	MATERIALS BODY / MANDREL	O.E.M. NUMBER	APPLICATION	QTY
1/4	1/2	1/2	1/32 to 9/64	F or 1/4	**52727***	2	Aluminum / Steel	AMC: 004005791 Chry: 6031115 Ford: 385189-S100 GM: 9436175	Window Regulator Peel Style, '71/on 4 required per car, Cadmium Plated	50
1/4	1/2	15/16	11/64 to 3/4	F or 1/4	**52729***	3	Aluminum / Steel	Ford: 389268-S100 GM: 20184399, 12338153	Window Regulator Peel Style, '79/on Cadmium Plated	50
1/4	1/2	1/2	7/64 to 11/64	F or 1/4	**527101***	2	Aluminum / Steel	GM: 20713843	Window Regulator Door Lock Assemblies, "A" & "J" Models Zinc Finish, Peel Style	25
1/4	1/2	1/2	9/64 to 3/16	F or 1/4	**527102***	2	Aluminum / Steel	Chry: 6032926 GM: 9437486	Window Regulator Quarter Vent Handles and Electrical Lock, '81/on Linkage, Peel Style Chromate Coated	25
1/4	1/2	1/2	3/32 to 1/8	F or 1/4	**52791***	2	Aluminum / Steel	Ford: 388047-S100 GM: 14078435	Outer Door Handle Peel Style, '78/on Ford Gold Chromate Coated Mandrel	100
1/4	1/2	1/2	3/32 to 1/8	F or 1/4	**527103***	2	Aluminum / Steel	Ford: 388047-S102	Outer Door Handle Peel Style, '81/on Black Finish	25
3/16	5/8	3/4	1/2 to 5/8	3/16	**527104**	13	Aluminum / Aluminum	Chry: N/A	Glass Stop Roller Rivet	25
1/4	1/2	9/16	5/64 to 5/16	F or 1/4	**527105***	9	Aluminum / Steel	GM: 10157547	Front Door Regulator GM "APV" Vans Monobolt Style, '90/on Yellow Dichromate Coating	12

RIVETS



BUMPER RIVETS (For actual size illustrations, see individual listing)



Special Notes:
† Recommended size given first, followed by acceptable alternate size.
* Requires Special Nosepiece.

RIVET DIA. "A" INCHES	HEAD DIA. "B" INCHES	RIVET LENGTH "C" INCHES	GRIP RANGE INCHES	DRILL SIZE † INCHES	PART NUMBER	TYPE	MATERIALS BODY / MANDREL	O.E.M. NUMBER	APPLICATION	QTY
3/16	5/8	9/16	1/4 to 3/8	No. 12 or 3/16	**527108***	4	Steel / Steel	GM: 9439719	Fascia, To under-side of Bumper, '81/on, Zinc Mandrel, Black Body	50
1/4	1/2	1/2	1/8 to 1/4	F or 1/4	**52792**	5	Steel / Steel	Ford: 372820-S36, 372820-S40	Front Bumper Assembly, Bobcat, Pinto, '79/on Gold Chromate Coated	100
1/4	3/4	1/2	1/8 to 1/4	F or 1/4	**52793***	6	Steel / Steel	Ford: 388442-S100	Rear Bumper Assembly Zinc Coated Mandrel, '81/on Escort, Lynx Black Body	100
3/16	9/16	11/16	3/8 to 1/2	No. 12 or 3/16	**52794**	10	Aluminum / Aluminum	Ford: 388664-S100	Bumper Fascia, '82/on, Mustang, Capri Black Body	100
1/4	9/16	15/16	1/16 to 1/4	1/4	**527118**	8	Black Aluminum / Aluminum	Ford: N804851-S100	Front Bumper Blind Rivet Ford Taurus, Sable, '96/on Leg Retention Style	15

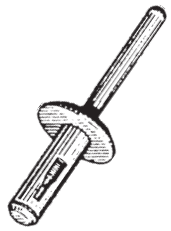
MISC. SPECIAL APPLICATION RIVETS (For actual size illustrations, see individual listing)

RIVET DIA. "A" INCHES	HEAD DIA. "B" INCHES	RIVET LENGTH "C" INCHES	GRIP RANGE INCHES	DRILL SIZE † INCHES	PART NUMBER	TYPE	MATERIALS BODY / MANDREL	O.E.M. NUMBER	APPLICATION	QTY
3/16	7/16	13/16	5/64 to 15/64	No. 12 or 3/16	**527109**	11	Aluminum / Aluminum	Ford: N/A	Lincoln Wheel House Moulding, '89/on, General Purpose Leg Retention Style Black Body	50
3/16	3/8	13/16	5/64 to 15/64	No. 12 or 3/16	**527110**	12	Aluminum / Aluminum	GM: 10125439	Moulding Attachment GM "APV" Vans, '90/on Leg Retention Style Black Body	25
1/8	3/8	3/8	1/8 to 3/16	No. 30 or 1/8	**527111**	1	Aluminum / Steel	GM: 9432552	Multi-Purpose GM Rivet, '78/on	50
3/16	3/8	3/8	1/8 to 3/16	No. 12 or 3/16	**527112**	1	Steel / Steel	GM: 9439576	General Purpose GM Rivet Zinc Finish	50
3/16	3/8	1/2	1/8 to 1/4	No. 12 or 3/16	**527113**	6	Steel / Steel	GM: 9440392	General Purpose GM Rivet Gold Chromate Plating	50
1/8	5/16	5/16	1/8 to 3/16	No. 30 or 1/8	**527114**	1	Aluminum / Steel	GM: 20325696	Attaches Sealer to Rear Window on "X" Body, '81/on	50
1/8	3/8	5/16	1/16 to 1/8	No. 30 or 1/8	**527115**	10	Aluminum / Aluminum	Ford: N805759-S100	Windshield Side Rail, '89/on T-Bird, Cougar Black Finish	50
5/32	5/16	5/16	1/8 to 3/16	No. 22 or 5/32	**527117***	14	Aluminum / Steel	Chry: 6032138 GM: 9432137	Trunk Lock Swivel Emblem Rivet, '73/on Countersunk Head	25

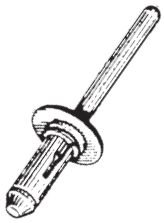
RIVETS

AUTOMOTIVE O.E.M. APPROVED NYLON BLIND RIVETS

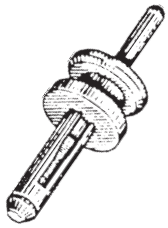
TYPE 1



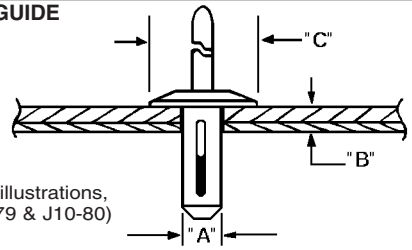
TYPE 2



TYPE 3

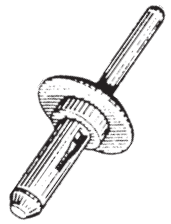


DIMENSION GUIDE

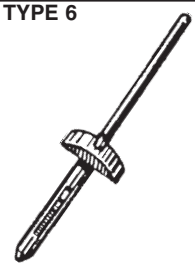


(For actual size illustrations, see pages J10-79 & J10-80)

TYPE 5



TYPE 6



NYLON RIVET INSTALLATION TOOL

Part No. 817104



HOLE DIA. "A" MM INCHES	PANEL RANGE (Grip) "B" MM INCHES	HEAD DIA. (Grip) "C" MM INCHES	PART NO.	TYPE	COLOR	O.E.M. NUMBER	QTY
3.96 5/32	6.0 to 10.5 15/64 to 13/32	8.0 x 15.0 5/16 x 19/32	**817114**	6	Black	Ford: N804583-S	25
4.75 3/16	1.5 to 4.5 1/16 to 11/64	9.0 11/32	**817121**	1	Black	GM: 20612732	25
4.75 3/16	1.5 to 3.5 1/16 to 9/64	9.5 3/8	**817122**	1	Black	Ford: N805132-S	25
5.0 13/64	1.5 to 4.5 1/16 to 11/64	12.0 15/32	**817105**	1	Black	Ford: N804189-S, GM: 20423647	25
5.0 13/64	3.0 to 4.0 1/8 to 5/32	9.0 11/32	**817120**	1	Black	Chry: 6004212, GM: 20465395	25
5.0 13/64	3.0 to 6.0 1/8 to 15/64	12.0 15/32	**817106**	1	Black	GM: 20432975, Chry: 6500899, VW: 175-853-577	25
5.0 13/64	3.0 to 4.75 1/8 to 3/16	12.0 15/32	**817107**	1	Black	Chry: 6500859	25
6.0 15/64	4.5 to 8.5 11/64 to 11/32	12.5 1/2	**817123**	1	Black	GM: 25524005	25
6.0 15/64	4.0 to 8.0 5/32 to 5/16	16.0 5/8	**817124**	1	Brown	GM: 10036503	25
6.3 1/4	0.5 to 4.0 1/32 to 5/32	16.5 21/32	**817117**	3	Black	Ford: N804134-S	25
6.3 1/4	4.0 to 10.0 5/32 to 25/64	17.0 43/64	**817128**	5	Black	Ford: N806296-S	25
6.3 1/4	4.0 to 10.5 5/32 to 13/32	16.5 21/32	**817129**	1	White	GM: 15506827	25
6.3 1/4	4.0 to 10.5 5/32 to 13/32	12.5 1/2	**817111**	1	Black	Chry: 6501559, Ford: N803862-S, GM: 20452072	25
6.3 1/4	4.0 to 10.5 5/32 to 13/32	16.5 21/32	**817110**	1	Black	Ford: N803043-S, GM: 14063981 AMC: 8934-201-631, Chry: 6500911	25
6.3 1/4	7.5 to 11.0 19/64 to 27/64	16.5 21/32	**817118**	1	Black	Chry: 4370138, Ford: N804675-S, N804759-S	25
6.75 17/64	1.0 to 4.0 3/64 to 5/32	20.5 13/16	**817119**	5	Black	GM: 10069112	25
6.75 17/64	2.5 to 4.75 3/32 to 3/16	12.5 1/2	**817112**	1	Black	GM: 15595172, 20421672	25
6.75 17/64	2.5 to 4.75 3/32 to 3/16	18.0 23/32	**817113**	1	Black	GM: 20433026, VW: 175-853-577A	25
7.0 9/32	2.5 to 6.0 3/32 to 15/64	18.0 23/32	**817130**	1	Black	GM: 10109689, 12337915	25

RIVET TOOLS

HEAVY DUTY RIVETER

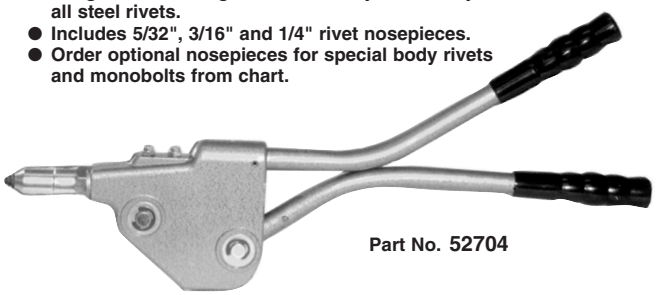
Sets 1/4", 3/16" (Stainless Steel) and all special body shop rivets.

- Extra nosepieces are conveniently stored in holes on tool body.
- Heavy duty tool features steel threads and light weight aluminum body.
- Sets 1/8" through 1/4" rivets including special door, window regulator and glass stop rivets.
- Long handles and gear reduction system easily set even 1/4" all steel rivets.
- Includes 5/32", 3/16" and 1/4" rivet nosepieces.
- Order optional nosepieces for special body rivets and monobolts from chart.

JAWS - 1-SET
Part No. 52611

NOSEPIECES

PART NUMBER	SIZE (INCHES)
52607	1/8
52608	5/32
52609	3/16
52610	1/4



Part No. 52704

DYNALLOY DOUBLE ENDED COUNTERSINK DRILL



PART NUMBER	DRILL SIZE	DEC. EQUIV. INCHES	SHANK SIZE	OVERALL LENGTH
813630	1/8	.125	5/16	2-1/8

DYNALLOY TWIST DRILLS DOUBLE-END STRAIGHT SHANK



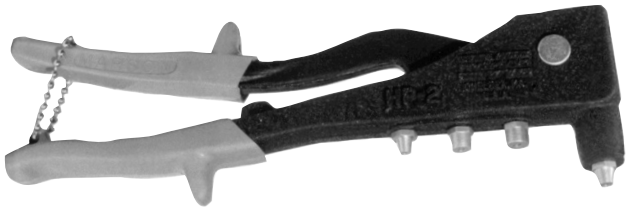
Self-centering split-point.

PART NUMBER	DRILL SIZE	DEC. EQUIV. INCHES	OVERALL LENGTH
*813625	1/8	.1250	2
*813626	3/16	.1875	2-3/16
813627	30	.1285	2
813628	20	.1610	2-1/8
813629	11	.1910	2-1/4

*Ideal sizes for Automotive and Body Shops

INDUSTRIAL RIVET GUN

- The most advanced industrial hand riveter.
- Contains four nosepieces for 3/32", 1/8", 5/32" and 3/16" diameter rivets.



NOSEPIECES

PART NUMBER	SIZE (INCHES)
52602	3/32
52603	1/8
52604	5/32
52605	3/16

Part No. 52601

JAWS - 1-SET
Part No. 52606

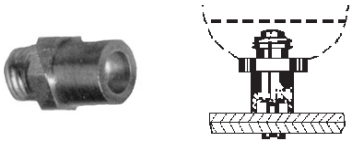
WILL NOT SET 3/16" STAINLESS RIVETS

RIVET TOOLS

SPECIAL MANDRELS (NOSEPIECES)

Required to install certain trim, door, window regulator and glass stop rivets; monobolt structural rivets.

SPECIAL RIVET TYPE	SPECIAL RIVET PIN	RIVET GUN APPLICATIONS	SPECIAL MANDREL PART NUMBER
Trim Rivets	52612	Snapo-Model 404 B (4001)	52718
	52613		
	52721	Part No. 52601 (5/16"-24 Thread) Marson-HP-2 (39000) Snapo-Model 202 B (4003)	52719
Window Regulator, Glass Stop, And Door Split Rivets	52727 52729 52791	Part No. 52704 Marson-HP-5 Big Daddy (39010) Snapo-04024 Richline-04012 (model HN-80)	52797
Monobolt 3/16	52750 52751 52753 52754	Part No. 52704 Marson-HP-5 Big Daddy (39010) Snapo-04024 Richline-04012 (model HN-80)	52798 52798 52798 52798
Monobolt 1/4	52752 52755 52756		52799 52799 52799
Klamp-Tite Rivet 3/16	507315 507316 507317		507311 507311 507311
Klamp-Tite Rivet 1/4	507318 507319		507312 507312



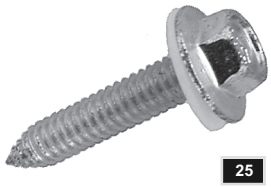






SCREWS

Illustrations are actual size unless otherwise noted.



25

717034
Truck Mirror Mounting Screws
1/4-20 X 1
Outside Mirror
5/8 Washer OD
3/8 Hex
OE:367291



50

505823
Sheet Metal Screws
No. 14 X 3/4
Slotted Hex Washer Head



25

716175
Sheet Metal Screws
No. 6 X 5/8
Phillips Oval Head
Black Oxide



25

716176
Sheet Metal Screws
No. 6 X 3/4
Phillips Oval Head
Black Oxide



25

716177
Sheet Metal Screws
No. 6 X 1
Phillips Oval Head
Black Oxide



25

716178
Sheet Metal Screws
No. 6 X 1-1/4
Phillips Oval Head
Black Oxide



25

716179
Sheet Metal Screws
No. 8 X 1/2
Phillips Oval Head
Black Oxide



25

716180
Sheet Metal Screws
No. 8 X 1
Phillips Oval Head
Black Oxide



25

716181
Sheet Metal Screws
No. 8 X 1-1/4
Phillips Oval Head
Black Oxide



25

716182
Sheet Metal Screws
No. 8 X 1-1/2
Phillips Oval Head
Black Oxide



25

716184
Sheet Metal Screws
No. 10 X 3/4
Phillips Oval Head
Black Oxide



25

716185
Sheet Metal Screws
No. 10 X 1
Phillips Oval Head
Black Oxide



25

716186
Sheet Metal Screws
No. 10 X 1-1/2
Phillips Oval Head
Black Oxide



25

716187
Sheet Metal Screws
No. 10 X 2
Phillips Oval Head



50

718849
Sheet Metal Tapping Screws
8-18 X 5/8
Indented Hex Large Round



25

723294
Sheet Metal Screws
4.2mm-1.41 X 20mm
16mm (5/8) Washer OD
No. 8 X 25/32
Phillips Pan Head W/ Sems Washer
OE:N801603-S2

SCREWS

Illustrations are actual size unless otherwise noted.



50

51650
Weld Stud Replacement Screw
#4-24 X 3/8
Phillips Head
Stainless Steel
7/32 Head Dia.



25

724605
Bumper Screws
4.8mm-1.61 X 15mm
14mm Head
Phillips Truss Head
Black Phosphate



12

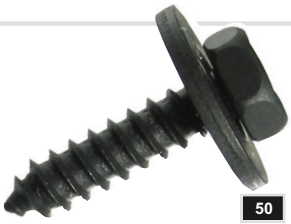
724870
Bumper Fascia Screws
Head Size: 22mm
M9.5 X 46mm Square Drive

Black Nylon
OE:25705182



50

724033
Indented Hex Head Screws
4.8mm-1.61 X 16mm
15mm Washer
8mm A/F
W/ Type AB Point & Sems Washer



50

724034
Indented Hex Head Screws
4.8mm-1.61 X 19mm
15mm Washer
8mm A/F
W/ Type AB Point & Sems Washer



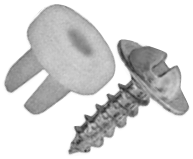
25

405384
License Plate/ Machine Screw
1/4-20 X 3/4
Phillips Truss Head



12

505172
License Plate/ Sheet Metal Screw
No. 14 X 3/4
Slotted Truss Head
9/16 Head Dia.
Zinc



100

702555
License Plate Screws W/ Nuts
No. 10 X 5/8
1/4 Square Hole
Slotted Washer Head
Nylon
OE:3783006



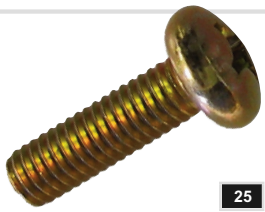
50

702560
License Plate Screws
No. 14 X 3/4
Phillips Truss Head



25

702565
License Plate Bolts
6mm X 27mm
19mm Washer
Indented Hex Head
W/loose washer
OE:N-606676-S53B



25

702566
License Plate Screws
6mm X 20mm
Phillips Washer Head



25

702567
License Plate Screws W/ Nuts
1/4 X 5/8
Nylon Slotted Washer Head
W/ Nylon Nut



25

716633
License Plate Screws
(No. 14) 1/4 X 5/8
5/16 Hex
5/8 Washer Head OD
Slotted Hex Washer Head
OE:N800369



25

718907
License Plate Screws
(No. 14) 1/4 X 5/8
5/16 Hex
5/8 Washer Head OD
Slotted Hex Washer Head
OE:N800369-S2



25

718909
License Plate Screws
6mm X 16mm
12mm Flange
10mm A/F
Indented Hex Phillips Washer

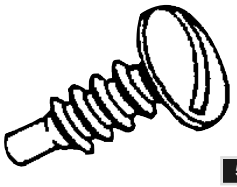


25

718910
License Plate Screws
6mm X 20mm
12mm Flange
Indented Hex Phillips Washer Head
10mm Hex
OE:93904-46320,
91500-SM4-999AH

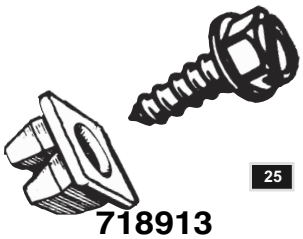
SCREWS

Illustrations are actual size unless otherwise noted.



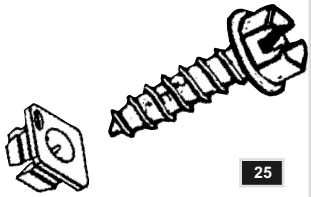
50

718911
License Plate Screws
1/4 X 5/8
Slotted Truss Head



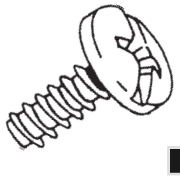
25

718913
License Plate Screws W/ Nuts
No. 14 Nut, 3/8 Sq. Hole
9/32 Flange
No. 14 X 3/4 Screw



25

718914
License Plate Screws W/ Nuts
No. 14 Nut, 3/8 Sq. Hole
5/8 Flange
No. 14 X 3/4 Screw



25

723028
License Plate Screws
1/4-14 X 5/8
Combo Phillips/ Slotted Pan Hd
Type B Point

OE:9423101



50

723306
License Plate Screws
1/4-14 X 5/8
5/8 Washer Dia.
5/16 A/F
Indented Slotted Hex Washer Hd



50

723392
License Plate Screws
6mm-1.00x16
Slotted Pan Head



25

724146
License Plate Screws
6.3mm-1.81 X 20mm
Phillips/slotted Combo Truss Hd
W/ Type AB Point

OE:25732397



50

725593
License Plate Screws
Head Dia: 10mm (25/64)
M6-1.0 X 20mm
Hex Nut: 12mm (15/32)
Phillips Pan Head



25

725594
License Plate Screws/ Nuts
Head Dia: 10mm (25/64)
M6-1.0 X 20mm

Phillips Pan Head



100

532069
Metric Machine Screws
6-1.00 X 25mm
Slotted Pan Head
Din 85
Zinc Plated



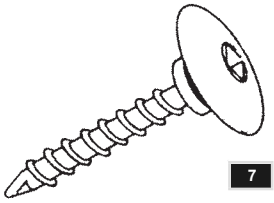
25

724601
Metric Trim Screws
6.3mm-1.81 X 16mm
15mm (19/32) Head
Phillips Truss Head
Black Phosphate



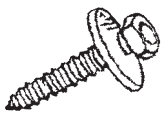
12

725204
Sems Tapping Screws
Head Size: M4.8-1.61 X 20mm
Hex Head Sems
26mm Washer OD
Front Bumper/ Moulding Strip
OE:201-990-05-36



7

720754
Sq. Drive Truss Head Fascia Screws
7.5mm X 34.5mm
22mm Head
Attaches Foam To Bumper
Black Nylon
OE:6503401, 6503819, 25631448



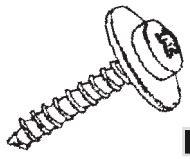
25

718932
Tapping Screws
4.2mm-1.41 X 20mm
20mm Washer
7mm A/F
Indented Hex Head W/ Type AB Point
OE:14090382



25

718933
Tapping Screws
4.2mm-1.41 X 20mm
17mm Washer
6mm A/F
Indented Hex Head W/ Type AB Point



50

718959
Tapping Screws
4.2mm-1.41 X 15mm
12mm Washer
Phillips Pan Hd W/ Type B Point

OE:11503499

SCREWS

Illustrations are actual size unless otherwise noted.



50

723355
Tapping Screws
6.3mm-1.81 X 25mm
10mm A/F
17mm Sems
Indented Hex Head W/ Type AB Point
OE:11500996,11505023



50

723356
Tapping Screws
6.3mm-1.81 X 20mm
10mm A/F
17mm Sems
Indented Hex Head W/ Type AB Point
OE:11505022



50

724527
Tapping Screws
No. 10 X 3/4
13/32 Head
Indented Hex Washer Head
5/16 Af



25

724600
Tapping Screws
4.2mm-1.41 X 20mm
11mm (7/16) Head
Phillips Washer Head
Black Phosphate
OE:11501884



12

724946
Tapping Screws
Head Size: 15mm
M5.5 X 20mm
Torx Truss Head T-20
Black Zinc
OE:13144822



12

725242
Tapping Screws
Screw Size: M6-1.81 X 20mm
13mm Washer OD; 10mm Hex
Phillips Head Sems
Bumper, Exterior Trim
OE:MS452348



25

725244
Tapping Screws
Screw Size: M5-1.59 X 11mm
Head Size: 11mm
Phillips Truss Head
Interior Trim
OE:MF453091



50

725601
Tapping Screws
Screw Size: No. 14 X 3/4
S.S. Phillips Pan Head
License Plate
15/32 Head OD



25

725602
Tapping Screws
Head Size: M5-1.59 X 11mm
12mm Washer Head OD
Phillips Round Washer Head
Black Oxide



50

718942
Thread Cutting Screws
4.2mm-1.41 X 13mm
9mm Flange
7mm A/F
Indented Hex Head W/ Type B Point
OE:11505045



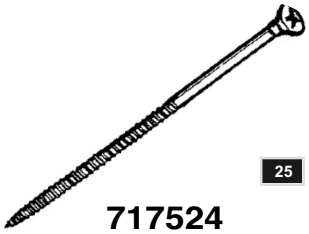
25

702549
Thumb Screws
No. 14 X 1/2
1-1/8 Overall Length
Dealer License Plate



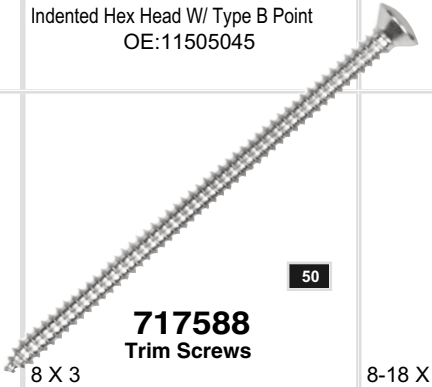
200

717103
Trim Screws
8-18 X 1/2
Quarter Wheel House Moulding
5/16 Washer Head OD
Phillips Washer Head
OE:588546



25

717524
Trim Screws
8 X 5
Phillips Oval Head
Bright Zinc



50

717588
Trim Screws
8 X 3
Phillips Oval Head

OE:9431911



50

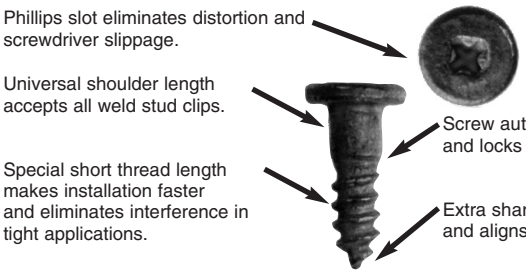
718840
Trim Screws
8-18 X 1
7/16 Head Dia.
Phillips Round Washer Head

OE:4005091

TRIM SCREWS

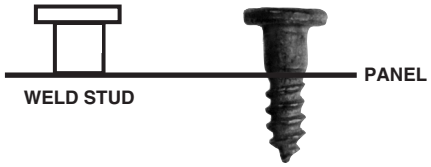
Illustrations are actual size unless otherwise noted.

STAINLESS STEEL WELD STUD REPLACEMENT SCREW



- **Can be as many as 150 weld studs per car.**
- **Stripping and loose retainers are eliminated.**
- **Weld studs are frequently broken due to collision or during repair.**

Part No. 51650 50



PHILLIPS OVAL HEAD TAPPING SCREWS with TYPE "AB" POINT

UNDERSIZED HEAD



HEAD SIZE	PART NUMBER CHROME	QTY	PART NUMBER CHROMATE	QTY	PART NUMBER BLACK	QTY	DIA. & LENGTH
6	**716150**	25	**---**	-	**716168**	25	8 x 1/2
6	**716151**	25	**716160**	25	**717511**	25	8 x 3/4
6	**716152**	25	**---**	25	**717512**	25	8 x 1
6	**---**	-	**---**	-	**717513**	25	8 x 1-1/4
6	**716154**	25	**---**	25	**716169**	25	8 x 1-1/2
8	**716155**	25	**716164**	-	**716171**	25	10 x 3/4
8	**716156**	25	**---**	-	**716172**	25	10 x 1
8	**716157**	25	**---**	-	**---**	-	10 x 1-1/4

STANDARD HEAD



PART NUMBER BLACK	QTY	PART NUMBER CHROME	QTY	DIA. & LENGTH
716175	25	**---**	-	6 x 5/8
716176	25	**717590**	100	6 x 3/4
716177	25	**717591**	100	6 x 1
716178	25	**717592**	100	6 x 1-1/4
716179	25	**---**	-	8 x 1/2
717510	25	**717593**	100	8 x 3/4
716180	25	**717594**	100	8 x 1
716181	25	**717595**	100	8 x 1-1/4
716182	25	**---**	-	8 x 1-1/2
716184	25	**717596**	100	10 x 3/4
716185	25	**717597**	100	10 x 1
716186	25	**---**	-	10 x 1-1/2
716187	25	**---**	-	10 x 2

PHILLIPS OVAL HEAD TAPPING SCREWS with TYPE "AB" POINT

With 3/8" Diameter Round Washer Head



PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	DIA. & LENGTH
716188	25	**716192**	25	8-18 x 1/2
716189	25	**716193**	25	8-18 x 3/4

PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	DIA. & LENGTH
716190	25	**716194**	25	8-18 x 1
---	-	**716195**	25	8-18 x 1-1/4

PHILLIPS ROUND HEAD TAPPING SCREWS with TYPE "AB" POINT

With 1/2" Diameter Round Washer Head



PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	DIA. & LENGTH
716203	25	**716211**	25	8-18 x 1/2
716204	25	**716212**	25	8-18 x 3/4
716205	25	**716213**	25	8-18 x 1
716206	25	**716214**	25	8-18 x 1-1/4

PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	DIA. & LENGTH
716207	25	**716215**	25	10-16 x 3/4
716208	25	**716216**	25	10-16 x 1
716209	25	**716217**	25	10-16 x 1-1/4
716210	25	**716218**	25	10-16 x 1-1/2

PHILLIPS OVAL HEAD TAPPING SCREWS with TYPE "AB" POINT & FLUSHWASHER

HEAD SIZE	PART NUMBER BLACK	QTY	PART NUMBER CHROME	QTY	DIA. & LENGTH
6	**716230**	100	**---**	-	8 x 1/2
6	**716231**	100	**717560**	100	8 x 5/8
6	**716232**	100	**---**	-	8 x 11/16

HEAD SIZE	PART NUMBER BLACK	QTY	PART NUMBER CHROME	QTY	DIA. & LENGTH
6	**---**	-	**717561**	100	8 x 7/8
6	**716233**	100	**---**	-	8 x 1
6	**716234**	100	**---**	-	8 x 1-1/4



- **Type "AB" SEMS®.**
- **Reduced head.**

TRIM SCREWS

PHILLIPS OVAL HEAD TRIM SCREWS with TYPE "AB" POINT & COUNTERSUNK WASHER



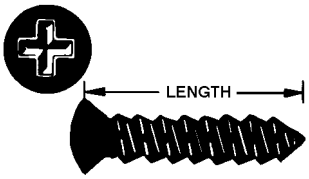
PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	DIA. & LENGTH
717550	25	**717565**	25	6-20 x 3/4
717551	25	**717566**	25	6-20 x 1
716196	25	**716200**	25	8-18 x 5/8
717553	25	**717567**	25	8-18 x 3/4
717554	25	**717568**	25	8-18 x 1
717555	25	**717569**	25	8-18 x 1-1/4

PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	DIA. & LENGTH
716197	25	**---**	-	8-18 x 1-1/2
716199	25	**716201**	25	10-16 x 5/8
717556*	25	**717570**	25	10-16 x 3/4
717557*	25	**717571**	25	10-16 x 1
717558*	25	**716202**	25	10-16 x 1-1/4

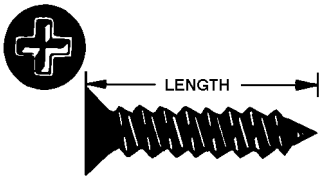
*** w/ No. 8 Head**

BLACK OXIDE TRIM SCREWS

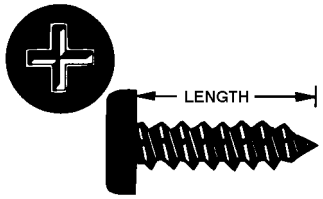
Used on instrument panels and interior trim.



HEAD SIZE	PART NUMBER	QTY	DIA. & LENGTH
8	**717510**	25	8 x 3/4
6	**717511**	25	8 x 3/4
6	**717512**	25	8 x 1
6	**717513**	25	8 x 1-1/4



HEAD SIZE	PART NUMBER	QTY	DIA. & LENGTH
8	**717514**	25	8 x 1-1/4
6	**717515**	25	8 x 1/2
6	**717516**	25	8 x 3/4
6	**717517**	25	8 x 1
6	**717518**	25	8 x 1-1/4



HEAD SIZE	PART NUMBER	QTY	DIA. & LENGTH
8	**717519**	25	8 x 1/2
8	**717520**	25	8 x 3/4
8	**717521**	25	8 x 1

EXTRA LONG TRIM SCREWS

Used on headlamps, parking lights and grilles.



- **Phillips oval head.**
- **Universal applications.**

HEAD SIZE	PART NUMBER BRIGHT ZINC	QTY	PART NUMBER CHROME	QTY	DIA. & LENGTH
6	**717522**	50	**---**	-	8 x 2-5/8
8	**---**	-	**717588**	50	8 x 3
8	**717523**	50	**---**	-	8 x 4
7	**717524**	50	**---**	-	8 x 5

DRILL POINT MOULDING and TRIM SCREWS

ROUND WASHER HEAD



PART NUMBER	QTY	SIZE	LENGTH	HEAD DIA	FINISH	DRIVE
716221*	50	8-18	3/8	7/16	Chrome	Phillips
716220†	50	8-18	7/16	9/32	Chrome	Phillips Pozi
716228	50	8-18	1/2	3/8	Chrome	Phillips
716222†	50	8-18	1/2	11/32	Chrome	Phillips Pozi
716219	50	8-18	1/2	13/32	Black	Phillips
718840	50	8-18	1	7/16	Zinc	Phillips Pozi
716225	50	#10	9/16	7/16	Zinc	Phillips

*** Wheel housing moulding † BiWax sealer**

METRIC ROUND WASHER HEAD



PART NUMBER	QTY	SIZE MM	LENGTH	HEAD DIA	FINISH	DRIVE
718807†	50	3.5	8mm	6mm	Chrome	Phillips Pozi
718809†	25	4.2-1.41	13mm	11mm	Black	Phillips Pozi
716223	50	4.2-1.41	13mm	8mm	Chrome	Phillips Pozi
718812	25	4.2-1.41	16mm	11mm	Chrome	Phillips Pozi
718813	50	4.2-1.41	16mm	11mm	Black	Phillips Pozi
718811	50	4.2-.79	15mm	11mm	Black	Phillips

† BiWax sealer

INDENTED HEX HEAD SCREWS

PART NUMBER	Qty	SIZE	LENGTH	O.D. Washer	Hex	Finish	Type
724994	50	#10	3/4 (19mm)	14mm	5/16	Zinc & Yellow Dichromate	Indented Hex Head SEMS
724527	50	#10	3/4	13/32	5/16	Black	Indented Hex Washer Head
718933	25	M4.2-1.41	20mm	17mm	6mm	Black	AB Point Indented Hex Head
724033	50	M4.8-1.61	16mm	15mm	8mm	Black	AB Point & SEMS Washer
724034	50	M4.8-1.61	19mm	15mm	8mm	Black	AB Point & SEMS Washer
724996	50	M5.5-1.81	18mm	15mm	8mm	Zinc & Yellow Dichromate	Indented Hex Head SEMS
723306	50	1/4-14	5/8	5/8	5/16	Black Zinc	Indented Slotted Hex Washer Head
702565	25	M6-1.0	27mm	19mm	-	White 244 Hr. Salt Spray Test	Indented Hex Head w/Loose Washer
718909	10	M6-1.81	16mm	-	10mm	Zinc & Yellow Dichromate	Indented Hex Phillips Washer
725242	12	M6-1.81	20mm	13mm	10mm	Black	Phillips Head SEMS
724995	25	M6.3-1.81	18mm	22mm	10mm	Zinc & Yellow Dichromate	Indented Hex Head SEMS
723356	50	M6.3-1.81	20mm	17mm	10mm	Black	AB Point Indented Hex Head
723355	50	M6.3-1.81	25mm	17mm	10mm	Black	AB Point Indented Hex Head

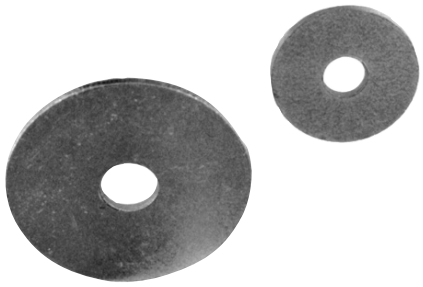
WASHERS

OVERSIZE WASHERS (FENDER WASHERS)

- Designed for applications requiring large bearing surface.
- Universal applications.

BOLT SIZE	THICKNESS 1/16	THICKNESS 1/8	O.D.	QTY
3/16	**716490**	---	1/2	100
3/16	**716491**	---	3/4	100
3/16	---	**716477**	15/16	25
1/4	**717140**	---	5/8	100
1/4	---	**716478**	1	25
1/4	---	**716479**	1-1/8	25
1/4	**717141**	---	1-1/4	100
1/4	---	**716480**	1-1/2	25
5/16	**717142**	---	3/4	100

BOLT SIZE	THICKNESS 1/16	THICKNESS 1/8	O.D.	QTY
5/16	**717143**	**716481**	1-1/4	50
5/16	**716492**	---	1-1/2	50
3/8	**717144**	**716482**	1-1/4	50
3/8	**717145**	---	1-1/2	50
3/8	**716493**	**716483**	1-3/4	25
3/8	**716497**	---	2	25
1/2	**716494**	---	1-1/2	25
1/2	**716495**	**716484**	2	25
-	---	---	-	-



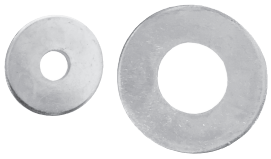
FENDER WASHERS

Protected by **LUSTERPLATE™** against rust & corrosion

- DIN 9021.
- Oversized O.D. approx. 3 times bolt diameter.
- Class 8.8.
- For applications that require a large bearing surface.

BOLT SIZE	PART NUMBER	QTY	I.D. MM	O.D. MM	THICKNESS MM
3mm	**532340**	100	3.2	9	.80
4mm	**532341**	100	4.3	12	1
4mm	**532325**	100	4.3	20	1.25
5mm	**532342**	50	5.3	15	1.6
6mm	**532343**	50	6.4	18	1.6
6mm	**532326**	100	6.6	15	1.6
6mm	**532327**	50	6.4	20	1.25
6mm	**532328**	50	6.6	25	1.75
6mm	**532329**	50	6.4	30	1.25
8mm	**532330**	50	8.4	20	2
8mm	**532331**	50	8.4	24	2
8mm	**532344**	25	8.4	25	2
8mm*	**532332**	50	8.4	30	2
10mm	**532345**	25	10.5	30	2.5
10mm	**532333**	25	10.5	40	1.25
12mm	**532334**	25	12	30	3
12mm	**532346**	25	13	40	3
16mm	**532347**	10	17	50	3
20mm	**532348**	10	21	60	4

***Yellow Zinc Plated**





Part No. 501820
295 pieces • 16 items • 12050 steel tray

532325	**532329**	**532333**	**532342**
532326	**532330**	**532334**	**532343**
532327	**532331**	**532340**	**532344**
532328	**532332**	**532341**	**532345**

Numbers in assortment

NICKEL PLATED FINISHING WASHERS

- Brass nickel plated to prevent corrosion.
- Use on headliners, trim, door panels, etc.

SCREW SIZE	PART NUMBER FLUSH	PART NUMBER COUNTERSUNK	QTY
No. 4	---	**51059**	100
No. 6	---	**51063**	100
No. 8	**51061**	**51064**	100

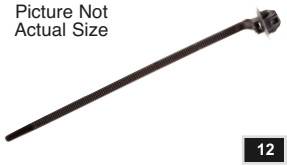
SCREW SIZE	PART NUMBER FLUSH	PART NUMBER COUNTERSUNK	QTY
No. 10	**51062**	**51065**	100
No. 12	---	**51066**	100
No. 14(1/4)	---	**51067**	100



MISCELLANEOUS

Illustrations are actual size unless otherwise noted.

Picture Not Actual Size



12

724772
Cable Ties
Overall Hgt: 174mm (6-15/16)
Max Dia: 40mm (1-9/16)
Strap Width: 5mm (3/16)
Black Nylon

Picture Not Actual Size



12

725010
Cable Ties
Fits: 7mm Hole
5mm Width
Overall Length: 160mm (6-3/8)
36mm Maximum Bundle Dia.



10

725360
Cowl Panel Vent Caps
Top Head: 16mm X 18mm
Bottom Head: 14mm
Stem Length: 12mm
Black Nylon
OE:91486-KJ010

Picture Not Actual Size



1

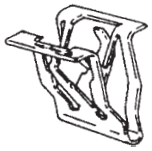
720997
Door Roller Pin Assembly
5-1/2 Length
9/16 Diameter
3/4 Roller OD
5/8 Roller Groove Diameter

Picture Not Actual Size



1

720998
Door Roller Pin Assembly
5-1/16 Length
25/64 Diameter
3/4 Roller OD
5/8 Roller Groove Diameter
OE:15672183



12

723029
Garnish Moulding Fasteners
1/2 X 1/2 X 5/8
Scuff Plate Retainer
Interior Door Opening Trim
Zinc & Yellow
OE:15748479



10

724879
Fasteners
3/16 Width
Overall Length: 15/16
Door, Interior Trim
Instrument Panel
OE:15683327

Picture Not Actual Size



1

724120
Hog Ring Pliers
Straight Nose Spring Grip



500

724118
Hog Rings
14 Gauge
3/8 Opening
.080 Wire Diameter
Medium



500

724119
Hog Rings
13 Gauge
7/8 Opening
.088 Wire Diameter
Large



12

725278
Hole Plugs
Fits: 18mm
Diameter: 25mm

Black Nylon
OE:80874-AX000



100

717241
Snap-in Sheet Metal Plugs
3/8 Hole
3/4 Head Diameter
Fits 14 To 26 Gauge Material
Black Polyethylene



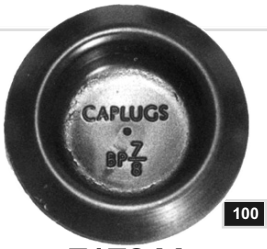
100

717242
Snap-in Sheet Metal Plugs
Fits: 1/2 Hole
7/8 Head Diameter
.02 - .07 Working Thickness
Black Polyethylene



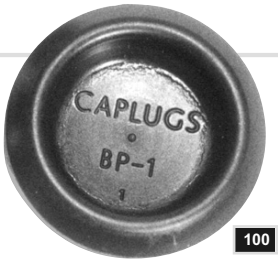
100

717243
Snap-in Sheet Metal Plugs
Fits: 3/4 Hole
1-5/32 Head Diameter
.02 - .14 Working Thickness
Black Polyethylene



100

717244
Snap-in Sheet Metal Plugs
Fits: 7/8 Hole
1-1/4 Head Diameter
.02 - .10 Working Thickness
Black Polyethylene

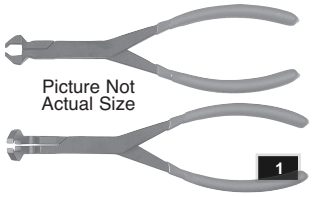


100

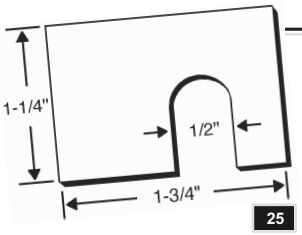
717245
Snap-in Sheet Metal Plugs
Fits: 1” Hole
1-3/8 Head Diameter
.04 - .10 Working Thickness
Black Polyethylene

MISCELLANEOUS

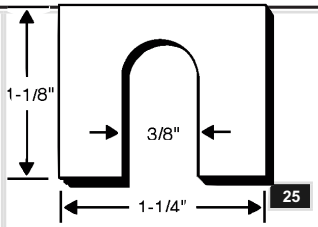
Illustrations are actual size unless otherwise noted.



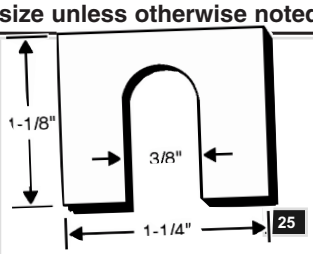
214013
Push Pin Removal Pliers
2-piece Set
Straight Pliers & 75 Deg. Offset



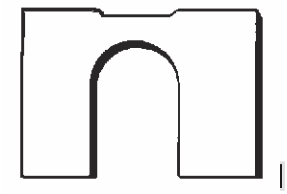
52304
Body Alignment Shims
1/8 Thick
1-3/4 X 1-1/4
1/2 Slot
Zinc



52309
Hood Alignment Shims
1/16 Thick
1-1/4 X 1-1/8
3/8 Slot
Zinc



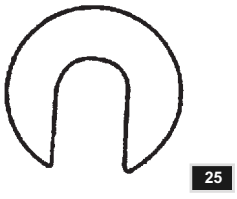
52310
Hood Alignment Shims
1/8 Thick
1-1/8 X 1-3/4
3/8 Slot
Zinc



52311
Body Alignment Shims
1/8 Thick
2” X 1-1/2
3/4 Slot
Zinc



723270
Body Shims
1/16 Thickness
15/16 OD
3/8 Slot
Zinc



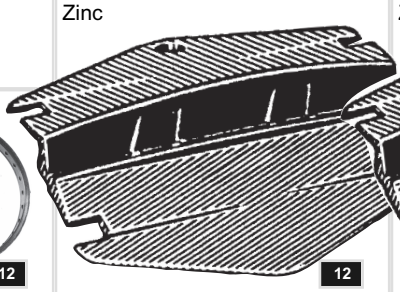
723271
Body Shims
1/8 Thickness
15/16 OD
3/8 Slot
Zinc



725264
Cable Straps
8mm Width
Overall Length: 200mm (8”)
Max. Bundle Diameter: 2-3/16
Black Nylon
OE:24225-89960

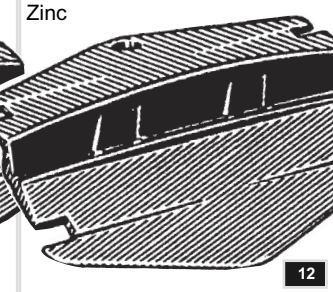


725440
Cable Straps
7mm (7/32) Width
Overall Length: 170mm (6-3/4)
Max. Bundle Dia.: 40mm (1-9/16)
Black Nylon
OE:82711-12200



716101
Window Guides
Front Door

OE:10051034,10114597,12338011,20123070,20328600



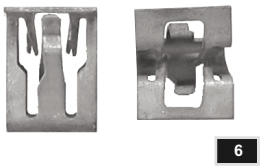
716119
Window Guides W/gaskets
Front Door

OE:10051034,10114597,12338011, 20123070, 20328600



724757
Window Regulator Guides

White Nylon
OE:51-32-1-938-884



724232
Windshield Garnish, Interior Trim Panel
Bezels & Scuff Plate Clips

OE:11588650

AUTOBODY FASTENERS by MANUFACTURER

QUICK REFERENCE SUB-INDEX J10 BODY CLIPS AND SMALL PARTS

AUTOBODY FASTENERS BY MANUFACTURER

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HONDA / ACURA

Illustrations are actual size unless otherwise noted.



12

724710
Weatherstrip Clips
Top Head: 5mm X 15mm
Bottom Head: 9.5mm
Stem Dia: 7mm
Stem Length: 11mm
OE:72311-S5S-003



12

724711
Weatherstrip Clips
Head Size: 5mm X 15mm
Bottom Head: 6.5mm
Stem Dia: 8.5mm
White Nylon
OE:91563-SCV-003



12

724712
Weatherstrip Clip
Top Head: 5mm X 15mm
Bottom Head: 7.5mm
Stem Dia: 6.5mm
Stem Length: 7mm
OE:90651-TP8-003, 91568-TR0-003



12

720536
Rr Hood Cowl Wtherstrip Clip
Bottom Head Dia: 8mm X 18mm
Top Head Dia: 7mm
Stem Dia: 15mm
Black Nylon
OE:91515-SR3-000



12

720760
Hood Insulation Retaining Clip
Bottom Head Dia: 10mm
Top Head Dia: 7.5mm
Stem Dia: 10mm
Black Nylon
OE:91520-SM4-C01



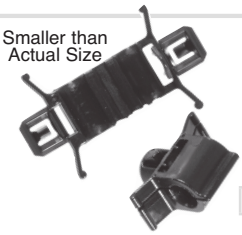
5

724147
Body Side Moulding Clips
12mm Stem Length
6.5 & 13 X 18mm Head Size
White Nylon
OE:75305-S0A-003



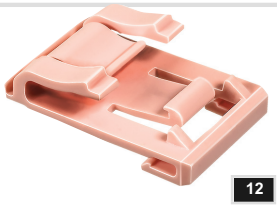
10

724263
Cowl Top Retaining Clips
Bottom Head Dia: 14mm
Top Head Dia: 8mm
Stem Dia: 15mm
Black Nylon
OE:91501-SM4-003



12

724700
CABLE CLIPS
Fits: 7mm
Overall Hgt: 17mm Closed
Max Cable Dia. 5mm
Black Nylon
OE:91558-SE3-003



12

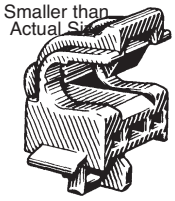
724970
Belt Moulding Clips
20mm Width
Overall Length: 29mm

Pink Nylon
OE:91503-T2A-A01



12

724971
Hood / Cowl Clips
Top Head: 12mm
Bottom Head: 16mm
Stem Dia: 4mm
Stem Length: 6.5mm
OE:90602-S2A-003



6

717646
Hood Prop Rod Clips
8mm Rod Dia.

Nylon

OE:90677-SE0-003



50

717222
Moulding Clips
Upper & Lower Windshield
1967-on Gm

OE: 7698976, 8763591



12

724702
Moulding Clips W/ Sealer
Top Head: 9mm X 12mm
Bottom Head: 13mm
Stem Dia: 7.5mm
Stem Length: 9mm
OE: 91512-SJ6-J01



12

724703
Moulding Clips W/ Sealer
Top Head: 12mm X 17mm
Bottom Head: 16mm X 17mm
Stem Dia: 13mm
Stem Length: 12mm
OE: 91512-S50-003



12

724704
Moulding Clips W/ Sealer
Top Head: 12.5mm X 14mm
Bottom Head: 14mm
Stem Dia: 7mm
Stem Length: 8mm
OE: 76222-SP1-003



12

724705
Moulding Clips
Fits: 10mm
Head Size: 14mm X 16mm
Stem Length: 12mm
White Nylon
OE: 75316-S9A-004

HONDA / ACURA

Illustrations are actual size unless otherwise noted.



12

724706
Moulding Clips
Top Head: 5mm X 11mm
Bottom Head: 8mm
Stem Dia: 6mm
Stem Length: 7mm
OE: 91530-S0A-003



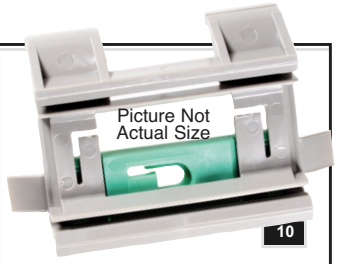
10

724972
Moulding Clips
Top Head: 7.5mm X 10mm
Bottom Head: 9.5mm
Overall Hgt: 16mm
White Nylon
OE:75306-SZA-A01



12

724973
Moulding Clips
Head Size: 13mm X 15mm
Stem Length: 15mm
Fender Trim
White Nylon
OE:75305-SM4-A01



10

724974
Moulding Clips
Tan & Green Nylon
OE:91519-SCV-A01



12

724975
Moulding Clips
Top Head: 8mm X 10.5mm
Bottom Head: 11mm X 16mm
Overall Hgt: 14.6mm
White Nylon
OE:72431-S2X-003



10

724976
Moulding Clips
Overall Length: 14mm
Overall Hgt: 13mm
13mm Width
Front & Side Door Exterior
OE:75305-SHJ-003



5

724977
Moulding Clips W/ Adhesive
Overall Length: 82mm
8mm Width
Windshield Moulding
Blue Nylon
OE:91570-SZA-305



10

724978
Moulding Clips W/ Sealer
Top Head: 11mm X 13mm
Bottom Head: 15.5mm X 19mm
Stem Dia: 12mm
Stem Length: 19mm
OE:91503-S3Y-003



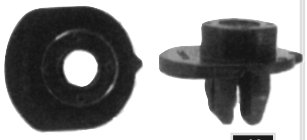
10

724979
Moulding Clips W/ Sealer
Top Head: 13mm X 17mm
Bottom Head: 19mm X 22mm
Stem Length: 15mm
White Nylon
OE:71591-S5A-000



10

724980
Moulding Clips
Head Size: 19mm
Top Head: 19mm X 24mm
Stem Length: 15mm
Overall Length: 40mm
OE:91578-T0A-003



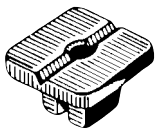
10

720982
Bumper Grommets
No. 10 Screw
Acura 2.2 & 2.3cl,2.5 & 3.2tl,3.5rl
Honda Accord & Prelude
Black Nylon
OE: 90107-SX0-003



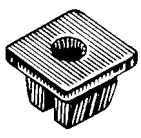
10

716790
Screw Grommets
13mm W, 13mm L
Fits: 8.5mm Square Hole
5mm Screw
Natural Nylon
OE: 75521-611-0000, 90189-06010, 96706-P0105, 9991-00-601



10

716794
Screw Grommets
17mm W, 17mm L
Fits: 8mm X 8.5mm Hole
5mm Screw
Natural Nylon
OE:90662-671-0030, 68425-H5000,9991-00-503



10

716798
Screw Grommets
13mm W, 15mm L
Fits: 8.5mm X 10.5mm Hole
6mm Screw
Natural Nylon
OE:90656-671-6310M1



5

716852
Screw Grommets W/ Sealer
12mm Stem
15mm W, 15mm L
Fits: 7mm Square Hole
3mm Screw
OE:90675-SA6-0030

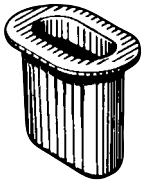


10

716855
Screw Grommets
10mm Stem
14mm Head Dia.
Fits: 7mm Square Hole
3mm Screw
OE:90662-693-003, 90189-04066

HONDA / ACURA

Illustrations are actual size unless otherwise noted.



10

716856
Screw Grommets
17mm Stem
12mm W, 19mm L
Fits: 8 X 15mm Hole
5mm Screw
OE:90683-693-0000, 78856-R4301



10

716857
Screw Grommets
17mm Stem
16mm Head Dia.
Fits: 8mm Square Hole
4mm Screw
OE: 90661-SC7-003,01651-00481, 74798-S9000,90189-06042, H001-50-841,MS-480012



10

716858
Screw Grommets W/ Sealer
10mm Stem
11mm W, 14mm L
Fits: 7 X 10mm Hole
3mm Screw
OE:90668-688-0030



10

716870
Screw Grommets
9.5mm W, 9.5mm L
Fits: 6mm Square Hole
4mm Screw
White Nylon
OE:34301-692A-0000



25

717611
Screw Grommets
9.5mm W; 9.5mm L
Fits: 7mm Square Hole
4mm Screw
White Nylon
OE: 75522-611-0000, 97606-B0700, 9991-00-412, MS-480001



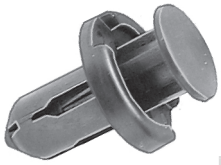
12

724709
Screw Grommets
Screw Size: M4.8 (no. 10)
Head Size: 16mm X 16mm
Stem Dia: 7mm
Stem Length: 7mm
OE:90107-S0X-A01



12

724981
Nylon Nuts
Fits: 8mm X 8mm Hole
Head Size: 16mm
Stem Length: 7mm
Natural Nylon
OE:91603-SL0-000



7

720619
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 18mm
Fits: 10mm Hole
Front & Rear Bumper
OE:91503-SZ5-003



7

720620
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 13mm
Fits: 10mm Hole
Black Nylon
OE:91503-SZ3-003



7

720767
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 10mm
Fits: 8mm Hole
Front Fender
OE:91501-S04-003



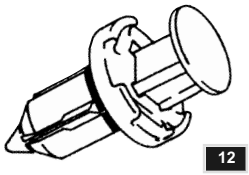
12

720901
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 11mm
Fits: 8mm Hole
Front Fender & Bumper Support
OE: 91512-SX0-003, MU000319



5

723091
Drive Type Retainers
Head Dia: 11mm
Stem Dia: 10mm
Fits:8mm Hole
Front Bumper Cover
OE:90657-SB0-003



12

723208
Drive Type Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 9mm Hole
Fender & Bumper
OE:MR200300



7

723374
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 14mm
Fits: 10mm Hole
Grille Mounting
OE:91503-S0K-A01



10

724250
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 8mm
Fits: 8mm Hole
Black Nylon
OE: 91545-SE0-003, 63848-01G00-A

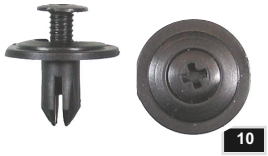


15

718711
Screw Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 11mm
Fits: 6mm Hole
Black Nylon
OE: 90684-SA5-003, 10998-30880, 894-298-1190

HONDA / ACURA

Illustrations are actual size unless otherwise noted.



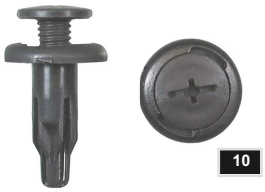
718712
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 11mm
Fits: 6mm Hole
Black Nylon
OE:90668-SB0-003



718720
Screw Type Rivet Retainers
Head Dia: 14mm
Stem Dia: 11mm
Fits:7mm Hole
Black Nylon
OE: 90657-SA6-0030, 94198687, 90467-06017-20, N304-13-356-A



718722
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Black Nylon
OE:90675-SB3-003, 63876-95596, FB01-56-964



724251
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 21mm
Fits: 8mm Hole
Black Nylon
OE:90505-SM4-003



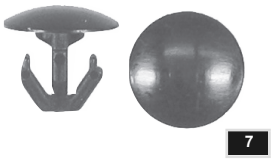
724252
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 27mm
Fits: 10mm Hole
Black Nylon
OE:91502-SM4-000



724255
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Fender Splash Shield
OE:91512-SM4-003



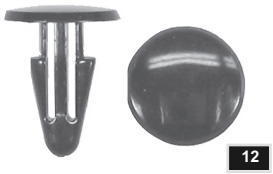
724262
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 6mm Hole
Cowl
OE:91524-SE0-003



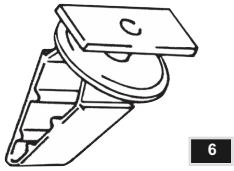
720762
Hood Seal Retainers
Bottom Head Dia: 12mm
Top Head Dia: 8.5mm
Stem Dia: 9mm
Black Nylon
OE: 91518-SM4-003



721016
Hood Seal Retaining Clips
Bottom Head Dia: 11mm
Top Head Dia: 7mm
Stem Dia: 8mm
Black Nylon
OE:91518-S10-003



724261
Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7.5mm
Stem Dia: 15mm
Black Nylon
OE:90687-SA5-0030



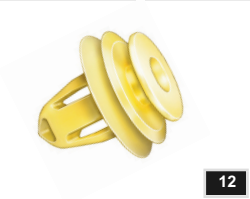
724520
Cowl Vent Retainers
Head Dia: 10 X 14mm
Overall Length: 18.5mm
Fits:7mm Hole
Trim Thickness: 2.8mm
OE:90602-SLJ-003, 90603-SLJ-003



724708
Retainers
Top Head: 10mm X 14mm
Bottom Head: 16mm
Stem Dia: 8mm
Stem Length: 13mm
OE: 90602-TA0-003



724987
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 11mm
OE:91560-SZW-003



724988
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 12mm
OE:91560-SZW-J01



724019
Door Trim Pnl Retainer / Sealer
Bottom Head Dia: 16mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 15mm
OE:91560-SM4-003



724991
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 11mm
OE:91560-S7A-003

HONDA / ACURA

Illustrations are actual size unless otherwise noted.



724992
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 11mm
OE:91560-S0X-A01



724260
Hood Insulation Retainers
Bottom Head Dia: 30mm
Top Head Dia: 15mm X 18mm
Stem Dia: 10mm
Black Nylon
OE: 90700-SJ4-000



724986
Retainers
Bottom Head Dia: 10mm
Top Head Dia: 5.5mm
Stem Dia: 7mm
Black Nylon
OE:91567-S3M-000



724989
Trunk Lid & Interior Trim Retainers
Bottom Head Dia: 18mm
Top Head Dia: 7mm X 7mm
Stem Dia: 13mm
Black Nylon
OE:90671-S0D-003ZK



724990
Hood Insulation Retainers
Bottom Head Dia: 30mm
Top Head Dia: 15mm X 21mm
Stem Dia: 14mm
Black Nylon
OE:91501-SWA-003



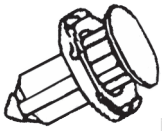
720507
Push Type Retainers
Head Dia: 15mm
Stem Dia: 13mm
Fits: 6mm Hole
Front Fender Skirt
OE:90683-SA5-003



720549
Push Type Retainers
Head Dia: 18mm
Stem Dia: 15mm
Fits: 8mm Hole
Garnish Side Protector
OE:90505-SX0-003



721032
Push Type Retainers
Head Dia: 17mm
Stem Dia: 16mm
Fits: 7mm X 7mm Hole
Tailgate Lining
OE:91570-SK7-003ZF



723095
Push Type Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 9mm Hole
Fender & Bumper
OE: MR200300



724264
Push Type Retainers
Head Dia: 18mm
Stem Dia: 14mm
Fits: 8mm Hole
Cowl Panel
OE:91508-SM4-003



724604
Push Type Retainers
Head Dia: 20mm
Stem Dia: 13mm
Fits: 10mm Hole
Front Bumper
OE:91505-S9A-003



724707
Push Type Retainers
Fits: 10mm Hole
Head Size: 20mm
Stem Dia: 8mm Hole
Stem Length: 14mm
OE: 91505-TM8-003



724982
Push Type Retainers
Head Dia: 20mm
Stem Dia: 11mm
Fits: 10mm Hole
Black Nylon
OE:91503-S7A-003



724983
Push Type Retainers
Head Dia: 20mm
Stem Dia: 13mm
Fits: 10mm Hole
Black Nylon
OE:91503-SHJ-A01



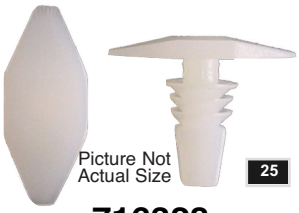
724984
Push Type Retainers
Head Dia: 20mm
Stem Dia: 10mm
Fits: 8mm Hole
Black Nylon
OE:91501-TR0-003



724985
Push Type Retainers
Head Dia: 16mm
Stem Dia: 14mm
Fits: 7mm Hole
Gray Nylon
OE:91550-S50-000ZK

HONDA / ACURA

Illustrations are actual size unless otherwise noted.



25

716328
Weatherstrip Retainers
Bottom Head Dia: 7mm X 16mm
Top Head Dia: 6mm
Stem Dia: 10mm
White Nylon
OE:80832-6500, 80833-8500, 90664-671-0030

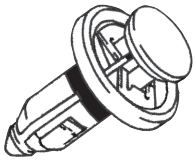


720765
Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 6mm
Stem Dia: 10mm
Red Nylon
OE:91530-SP1-003



5

720766
Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 6mm
Stem Dia: 10mm
Natural Nylon
OE:91530-ST5-003



6

724519
Bumper Drive Typ. Rivet /Metal Insert
Head Dia: 20mm
Stem Dia: 16mm
Fits: 10mm Hole
Panel Range: 8mm
OE: 91506-S9A-003



6

724511
Bumper Drive Typ. Rivet /metal Insert
Flange Dia: 20mm
Stem Dia: 13mm
Fits: 10mm Hole
Panel Range: 6mm
OE:91505-S9A-003



25

718910
License Plate Screws
6mm X 20mm
12mm Flange
Indented Hex Phillips Washer Head
10mm Hex
OE: 91500-SM4-999AH, 93904-46320

BMW / MINI COOPER

Illustrations are actual size unless otherwise noted.



12

724736
Moulding Clips
Stem Length: 10mm
18mm Width; 30.5mm Length
Blue Rubber Boot
White Nylon
OE:51-13-2-251-394



12

724737
Moulding Clips
Stem Length: 11mm
25.5mm Width; 34mm Length
Blue Rubber Boot
White Nylon
OE:51-13-8-166-675



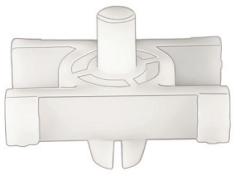
12

724738
Moulding Clips
Stem Length: 11mm
22mm Width; 35mm Length
Blue Rubber Boot
White Nylon
OE:51-13-1-960-054



12

724739
Moulding Clips
Stem Length: 10.5mm
20.5mm Width; 35mm Length
Blue Rubber Boot
White Nylon
OE:51-13-8-231-130



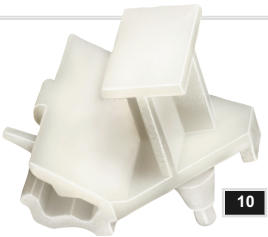
12

724740
Moulding Clips
Stem Length: 6.5mm
21mm Width; 28mm Length
Rocker Panel
White Nylon
OE:51-13-1-829-904,
51-13-6-440-146



12

724741
Moulding Clips
Stem Length: 9.5mm
20.5mm Width; 32mm Length
Door Sill, Whl Housng, Rcker Pnl
White Nylon
OE:51-71-8-184-574



10

724742
Moulding Clips
Overall Hgt: 29mm
30mm Width; 28mm Length
Door Sill & Wheel Housing
White Nylon
OE:51-11-7-160-451



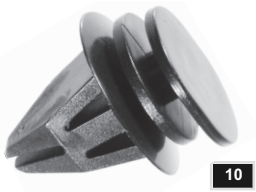
10

725220
Moulding Clips
Fits: 8mm Hole
Top Head: 11.5mm X 19mm
Bottom Head: 21mm
Stem Length: 13mm
OE:07-13-7-073-915



10

725221
Moulding Clips
Top Head: 11mm X 19mm
Bottom Head: 21mm
Stem Length: 11mm
Gray Nylon
OE:07-13-2-757-821



10

725222
Moulding Clips
Top Head: 16mm X 20mm
Middle Head: 18mm
Bottom Head: 23mm
Stem Length: 19mm
OE:07-13-1-480-419



10

725223
Moulding Clips
Top Head: 16mm X 20mm
Middle Head: 18mm
Bottom Head: 23mm
Stem Length: 21mm
OE:51-71-7-127-742



12

724743
Moulding Nuts
Flange: 16mm
Overall Hgt: 11mm
5mm Stud Size; 10mm Hex
Nylon Flange Nut
OE:16-13-1-176-747,
003-990-02-51



10

724732
Grommet / Retainers
Top Head: 12.5mm X 15mm
Bottom Head: 15mm X 17mm
Stem Length: 14mm
Overall Length: 18mm
OE: 51-41-015-44-20, 51-41-700-16-29,
51-45-030-47-03, 51-45-816-52-60



10

724733
Grommet / Retainers
Head Size: 15mm X 17mm
Stem Length: 13mm
Overall Length: 15mm
Clear Nylon
OE:51-45-8-161-557



12

724734
Interior Trim Grommets
Head Size: 17mm X 19mm
Stem Length: 9mm

Red Nylon
OE:51-45-8-266-814



12

724756
Tubular Nuts
Fits: 8.5mm
Head Size: 16mm
Stem Length: 16mm
7mm Stud Size
OE:51-44-7-780-135

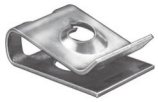
BMW / MINI COOPER

Illustrations are actual size unless otherwise noted.



25

716802
"U" Speed Nuts
2.9mm Screw
6mm Depth
.5 - 1.5mm Panel Range
6mm Center Of Hole To Edge
OE: 0712-9-925-706



25

716804
"U" Speed Nuts
4.2mm Screw
7mm Depth
3 - 4mm Panel Range
7mm Center Of Hole To Edge
OE: 0712-9-925-708,
000-904-24-45



25

716807
"U" Speed Nuts
4.8mm Screw
12mm Depth
.8 - 1.7mm Panel Range
11mm Center Of Hole To Edge
OE:0711-9-916-945,
000-994-14-45



25

716809
"U" Speed Nuts
4.8mm Screw
12.5mm Depth
.5 - 1.7mm Panel Range
7mm Center Of Hole To Edge
OE:0712-9-925-737,
000-994-06-45



25

716810
"U" Speed Nuts
5.6mm Screw
10mm Depth
1.2 - 2.0mm Panel Range
10mm Center Of Hole To Edge
OE:0712-9-925-720



10

724755
Trim Plug Retainers
Head Size: 15mm X 17mm
Stem Length: 7mm
Overall Length: 11mm
Door Lateral Trim Grommet
OE:07-14-9-158-194,
51-41-821-58-06



12

724730
Retainers
Head Size: 18mm
Stem Dia: 9mm
Stem Length: 15mm
Trim Panel & Trunk Lining
OE:51-48-8-181-420



10

724735
Locking Retainers
Head Size: 18.5mm
Stem Length: 21mm
Floor Mat Lock Retainer
With Washer Dia. 20.5mm
OE:51-47-1-881-521,51-47-2-499-935,
51-47-8-116-564, 51-47-8-183-031



12

724750
Retainers W/ Rubber O-ring
Head Size: 25mm
Stem Dia: 9.5mm
Stem Length: 16mm
14mm Shoulder Diameter
OE:51-77-7-171-003



12

724751
Retainers W/ Sealer
Top Head: 14mm
Middle Head: 15.5mm
Bottom Head: 18mm
Stem Dia: 9.5mm
OE:51-41-0-407-984,
51-41-8-224-768



12

724752
Retainers W/ Sealer
Top Head: 12mm
Bottom Head: 18mm
Stem Dia: 9.5mm
Stem Length: 16mm
OE:51-77-7-171-002



12

724753
Retainers
Top Head: 18mm
Bottom Head: 18mm
Stem Dia: 5mm X 8mm
Stem Length: 18mm
OE:51-12-7-004-445,
51-47-1-945-266



10

724744
Push Type Retainers
Head Dia: 15mm
Stem Dia: 15mm
Fits: 6.3mm Hole
Black Nylon



12

724745
Push Type Retainers
Fits: 8.5mm Hole
Head Size: 20mm
Stem Length: 21mm
Rear Bumper
OE:51-12-7-004-445



12

724746
Push Type Retainers
Fits: 6.3mm Hole
Head Size: 10mm
Stem Length: 11mm
Front Bumper, Grille
OE:51-46-7-002-606



12

724747
Push Type Retainers
Fits: 5mm Hole
Head Size: 9mm
Stem Length: 7mm
Trunk Lid Compartment
OE:51-47-8-166-992

BMW / MINI COOPER

Illustrations are actual size unless otherwise noted.



724748
Push Type Retainers
Fits: 6.3mm Hole
Head Size: 20mm
Stem Length: 16mm
Rocker Panel, Air Duct Comp
OE:51-71-8-259-788



724749
Retainers
Head Size: 20mm
Stem Dia: 7mm
Stem Length: 33mm
Rocker Trim Wheel Housing
OE:07-14-7-122-913



723109
Drive Type Rivets
10mm Flange
3 - 8mm Panel Range
5mm Hole
Front Bumper
OE:51161-881-149



724125
Rivets
7/32 (5.6mm) Dia.
7/64-3/16 (2.5-4.8mm) Grip
25/32 (20mm) Flange Dia.
Black Nylon
OE:51-71-7-002-953-2



724731
Rivets
Diameter: 6mm
Grip: 1mm X 9mm
Flange: 13mm
Black Nylon
OE:51-11-1-942-789



724754
Rivets
Diameter: 6mm
Grip: 1 - 6.5mm
Flange: 13mm
Front Bumper
OE:51-11-8-400-709

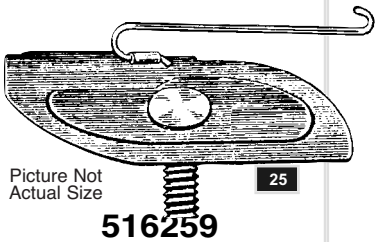


724757
Window Regulator Guides

White Nylon
OE:51-32-1-938-884

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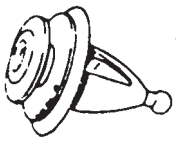
Illustrations are actual size unless otherwise noted.



25

516259
T-bolt Clips
10-24 X 3/4 Bolt
5/8 X 1-7/8 Plate
Gm & Chrysler

OE: 1758099,6000720, 6010046, 3744999



25

720739
Door Trim Panel Clips
14mm Stem Length
Fits: 7mm Hole

Yellow Nylon
OE:6504452



12

724542
Whl Flare Mlding Clip W/Sealer
Top Head: 14mm X 18mm
Bottom Head: 17mm X 21mm
Fits: 9mm Hole
Stem Length: 16mm



10

724778
Moulding Clips
Top Head: 12mm X 23mm
Bottom Head: 18mm
Stem Length: 11mm
White Nylon



10

724779
Moulding Clips
Head Size: 10mm X 20mm
Stem Length: 14mm
Rocker Panel
Black Nylon
OE:4389940-AB



12

724780
Moulding Clips W/ Sealer
Fits: 8mm Hole
Head Size: 12mm X 38mm
Stem Length: 12mm
Inner Fender
OE:55156655-AA



10

724781
Moulding Clips
Flange: 20mm
Stem Dia: 13mm
Stem Length: 12mm
Overall Length: 31mm
OE:68213168-AA



25

724782
Moulding Clips
Head Size: 11.5mm X 21mm
Stem Length: 11mm
Overall Hgt: 17mm
White Nylon
OE:68225214-AA



12

724793
Moulding Clips
Fits: 10mm Hole
Top Head: 14mm X 38mm
Bottom Head: 16mm X 38mm
Stem Length: 14mm
OE:68039280-AA



25

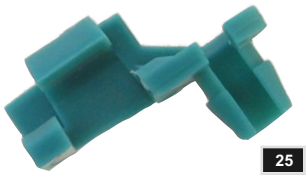
717608
Trim Panel Clips

OE:MB-178894



25

717707
DOOR LATCH LOCKING Push Rod Clip
5/32 Rod Diameter
Right Side
Red Nylon
OE:3454220,4658676



25

717708
DOOR LATCH LOCKING Push Rod Clip
5/32 Rod Diameter
Left Side
Green Nylon
OE:3454221,4658677



6

724546
Door Lock Rod Clips
Fits: 7mm Hole
Right Hand Side
3mm (1/8) Rod Size
White Nylon
OE:124-990-04-92



6

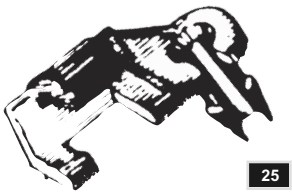
724556
Door Lock Rod Clips
Fits: 7mm Hole
Left Hand Side
3mm (1/8) Rod Size
Blue Nylon
OE:6506807-AA



25

717709
Door Lock Rod End Clips
Right Side

OE:3760130



25

717710
Door Lock Rod End Clips
Left Side

OE:3760131

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Illustrations are actual size unless otherwise noted.



Picture Not Actual Size

1

724776
Hinge Pin & Nut Kit
Tailgate Repair
Greaseable Stainless Steel
Repairs Two Hinges



Picture Not Actual Size

1

724777
Hinge Pin & Nut Kit
Door Hinge Repair
Greaseable Stainless Steel
Repairs Two Hinges



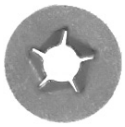
25

720297
Metric Hex Nuts
M6-1.0
14mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE:6100047



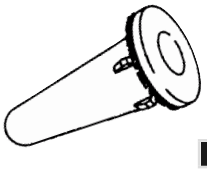
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720299
Metric Hex Nuts
M6-1.0
19mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE:6100049



50

716897
Push Nuts
M6-1.0
17mm OD
Dichromate
OE:6501178



7

723206
Moulding Grommets
15.5mm Flange
21.5mm Overall Length
1.5mm Panel Range
Fits: 9mm Hole
OE:MR478263



12

724773
Door Panel Grommets
Fits: 9mm Hole
Head Size: 19mm
Stem Length: 12mm
Green Nylon
OE:4784018-AA



10

724774
Grommets
Fits: 9mm Hole
Head Size: 15mm
Stem Length: 21mm
Overall Length: 25mm
OE:4806271-AA



6

724552
Spoiler Grommets W/ Sealer
Head Dia: 12 X 16mm
Stem Dia: 14mm
Back Glass Lwr & Quarter Glass
Molding, Black Nylon
OE: MB645307



12

720981
Screw Grommets
10mm Stem
16mm Head Dia.
Fits: 12mm Hole
Tail Light Housing
OE:6504072



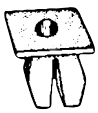
25

717167
Headlamp Bezel Nuts
1/4 Square Hole
No. 8 Or No. 10 Screw
Natural Nylon
OE: 2524525



25

724775
Headlight Nuts
Fits: 10.5 X 11mm
Head Size: 15mm X 15mm
Stem Length: 10mm
M5.5 (No. 12) Screw Size
OE: 6508072-AA



25

717322
Radiator Grille Nuts
1/4 Square Hole
No. 8 Screw
White Nylon
OE: 6000943, 8934-201-263



12

716635
License Plate Nuts
No. 12 Screw
Black Nylon
OE:6032516



50

718899
License Plate Nuts
No. 6 Or 8 Screw
Headlight Bezel
Natural Nylon
OE: 4000141, 380382

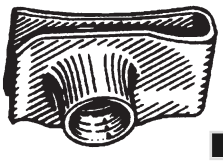


5

720556
License Plate Nuts
Fits: 3/8 Hole
1/4 (No. 14) Screw
Door Lock Remote Control
Natural Nylon
OE:6027958

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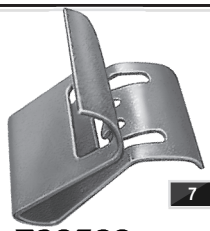
25

717271
Metric Extruded "U" Nuts
M8-1.25 Screw
.80 - 4.00mm (.030 - .160) Panel
14.5mm (9/16) Hole Center To Edge
Phosphate
OE: 6101283,11500660, 11502617, N623333-S2



12

723213
Side Door Trim Panel
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 14mm
OE:6505918AA



7

720523
Grille To Fascia Retainers
Phosphate
OE:4676356



6

724545
Specialty Inserts W/sealer
Thread: M6-1.0
Head Dia: 17mm
Hex: 9.5mm
Grip Range: .7 - 3.17mm
OE:6509106-AA



25

720374
Shield Retainers
Fits: 5/16 (7.8mm) Hole
OE:34202335



25

720381
Shield Retainers
Bottom Head Dia: 5/8
Top Head Dia: 1/4
Stem Dia: 3/4
Fender & Bumper
OE:6501948



25

718427
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 7/8 (22mm)
Fits: 5/16 (8mm) Hole
Shoulder: 1/8(3.2mm)
OE: 6501590, N803421-S



25

718679
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE: 34202672, 20510029, N803362-S



25

718728
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 5/8 (16mm)
Fits: 1/4 (6.4mm) Hole
Cowl Ldge, Wtherstrip & Fnder Liner
OE: 6031390, 387843S, 472434, 480534



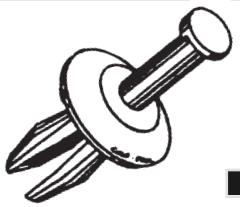
25

718738
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/16 (11mm)
Fits: 9/32 (7.1mm) Hole
Grille
OE:6031383



12

720608
Drive Type Rivet Retainers
Head Dia: 23/32 (18.3mm)
Stem Dia: 29/32 (23mm)
Fits: 5/16 (8mm) Hole
Fascia
OE:6504521



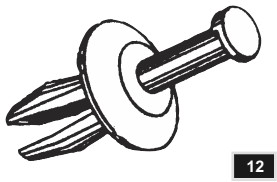
12

720609
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 5/8 (16mm)
Fits: 1/4 (6.4mm) Hole
Front Bumper Fascia
OE:6503454



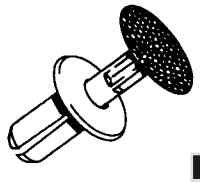
7

720637
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Black Nylon
OE:01553-09321,MR328954



12

723025
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits: 1/4 (6.4mm) Hole
Front Fender Mud Skirt & Fender
OE: 34201621, 6504090,14019205, 14019206, 16514113, 8934-201-621, E3DZ-14A163A



7

723207
Drive Type Retainers
Head Dia: 14mm
Stem Dia: 12mm
Fits: 7mm Hole
Bumper Cover & Garnish
OE:MR478262



25

718716
Screw Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:6502871,N803946-S

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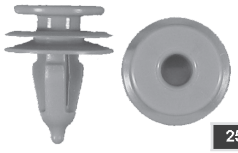
Illustrations are actual size unless otherwise noted.



50

718227
Grille Plate Holddown

OE:6032832



25

720733
Door Trim Panel Retainers
Bottom Head Dia: 23/32
Top Head Dia: 19/32
Stem Dia: 5/16 Hole
Stem Length: 5/8
OE:6503204



12

720741
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm Hole
Stem Length: 15mm
OE:6505292AA, W706812-S300



12

721036
Door Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 8.5mm
Stem Length: 14mm
OE:6505539-AA



12

723212
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:6505759AA, 20003056



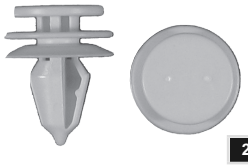
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723231
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:6505759AA, 20003056



12

723336
Door Trim Panel Retainers
Bottom Head Dia: 22mm
Top Head Dia: 16mm
Stem Dia: 9mm
Stem Length: 15mm
OE:5023173AA



25

724005
Door Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 10mm
Stem Length: 15mm
OE:6507055AA, 6507686AA



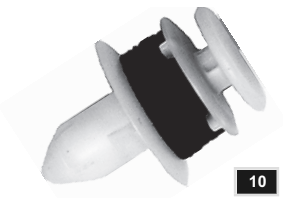
10

724770
Retainers
Head Size: 35mm
Stem Length: 14mm
Overall Hgt: 28mm
Bumper Retainer
OE:68033794-AA



10

724789
Tail Light Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 13mm
OE:68061648-AA



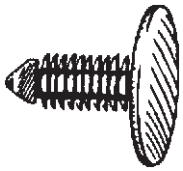
10

720933
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 22mm
Top Head Dia: 16mm
Stem Dia: 9mm
Stem Length: 15mm
OE:5023111AA



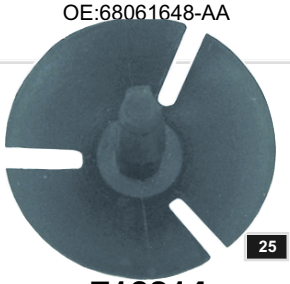
10

720961
Door Trim Pnl Retainer / Sealer
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 8mm
Stem Length: 18mm
OE:55350747AB



25

716313
Trim Panel Clips
Bottom Head Dia: 3/4
Top Head Dia: 7/32
Stem Dia: 11/16
Black Nylon
OE:5208743, 4006529



25

716314
Hood Insul. / Fender Shld Retainer
Bottom Head Dia: 1-5/16
Top Head Dia: 3/8
Stem Dia: 3/4
Black Nylon
OE:4341060



25

716319
Shield Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 5/8
Fender & Bumper
OE: 3691590, 6031321, 14093311, 20732399, 332364, 389358, 4004569



100

716323
Front End Stone Shield Retainers
Bottom Head Dia: 7/8
Top Head Dia: 7/16
Stem Dia: 13/16
Black Nylon
OE:6503221,22512276

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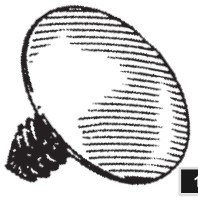
25

716333
Retainers
Bottom Head Dia: 3/4
Top Head Dia: 9/32
Stem Dia: 1/2
Black Nylon
OE: 3861577, 20032850, 387258-S



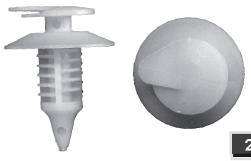
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716349
Fascia To Bumper Retainers
Bottom Head Dia: 1”
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE:389443-S



15

716350
Door Frame Spacer Retainers
Bottom Head Dia: 1”
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE: 4381395,6501086, 388904-S



25

716357
Trim Panel Retainers
Bottom Head Dia: 19mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE: 8934-201-681, 175-867-299



100

717130
Shield Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 13/16
Radiator Yoke, Fender & Bumper
OE: 6030441, 6036007AA , 6502078, 15958694, 1605396, 388577-S, W705589-S300



50

717131
Hood Insulation Retainers
Bottom Head Dia: 1/2 X 1-1/2
Top Head Dia: 9/32
Stem Dia: 5/8
Black Nylon
OE:4005513,6003351,385330-S, D30Z-16776-A



25

717134
Trim Panel Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 13/16
Hole: 1/4



50

718226
Fascia Retainers
Bottom Head Dia: 25mm
Top Head Dia: 7.5mm
Stem Dia: 20mm
Black Nylon
OE:6501067



25

718230
Door Trim Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 11/16
OE:4005470,6003349,6032363, 385661-S,9685057,N98905101



25

720377
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 11/32
Stem Dia: 7/8
Sliding Door & Lift Gate
OE:6501301, 21094146



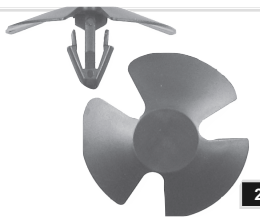
25

720380
Trim Panel Retainers
Bottom Head Dia: 5/8
Top Head Dia: 3/8
Stem Dia: 3/4
Trunk Lid Latch
OE:6504043, N807721-S



25

720384
Hdlight Mount. Shield Retainer
Bottom Head Dia: 1”
Top Head Dia: 19/64
Stem Dia: 1-1/16
Black Nylon
OE:6502104



25

720907
Hood Insulator Retainers
Bottom Head Dia: 30mm
Top Head Dia: 8mm
Stem Dia: 12mm
Black Nylon
OE:4878883AA



25

720922
Trim Panel Retainers
Bottom Head Dia: 7/16
Top Head Dia: 7/32
Stem Dia: 11/16
Black Nylon
OE:6505417AA



25

720923
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 11/32
Stem Dia: 13/16
Black Nylon



25

720924
Trim Panel Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 13/16
Fits: 1/4 Hole

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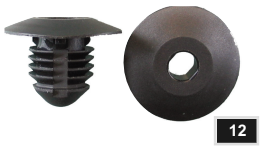
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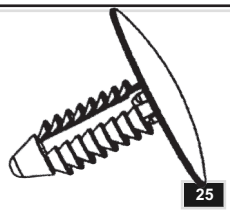
720925
Trim Panel Retainers
Bottom Head Dia: 23/32
Top Head Dia: 15/64 X 9/32
Stem Dia: 3/4
Black Nylon
OE:4717224



720927
Retainers
Bottom Head Dia: 5/8
Top Head Dia: 1/4
Stem Dia: 3/4
OE:6501948



723024
Bumper Fascia Retainers
Bottom Head Dia: 25mm
Top Head Dia: 13mm
Stem Dia: 15mm
Black Nylon
OE:6505686AA,15056810



723338
Fender Apron Retainers
23.4mm O/L, 2-10mm P.R.
25.4mm Head
Fits: 6.35mm Hole
Black Nylon
OE:6506005AA,6506293AA



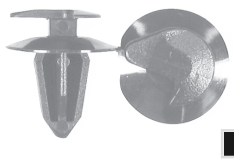
724532
Cowl Screen Retainers
Bottom Head Dia: 9/16
Top Head Dia: 19/64
Stem Dia: 13/32
1/4-20 X 7/16 Stud
OE:6503336



724553
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 8.5mm
Stem Dia: 20mm
Fits: 7mm Hole
OE:4860379-AA



724771
Bumper Retainers
Head Size: 19mm
Stem Dia: 8mm
Stem Length: 26mm
Bumper Retianer
OE:6509590-AA



718228
Door & Interior Trim Pnel Retainer
OE:6032235



718730
Push Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits: 1/4 (6.4mm) Hole
Front Fender Mud Skirt & Fender Liner
OE: 34201621, 6504090, 8934-201-621, 14019205, 14019206, 16514113, E3DZ-14A163A



723260
Push Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 17mm
Fits: 7mm Hole
Side Radiator Shield
OE:6506132-AA



724543
Push Type Retainers
Head Dia: 22mm
Stem Dia: 10mm
Fits: 9mm Hole
Door Trim Panel
OE:OWX68BD5-AA



724784
Push Type Retainers
Head Dia: 20mm
Stem Dia: 23mm
Fits: 10mm Hole
Black Nylon
OE:6508643-AA



724785
Push Type Retainers
Head Dia: 24mm
Stem Dia: 20mm
Fits: 11mm Hole
Shoulder: 3mm
OE:4389947-AA



724786
Push Type Retainers
Head Dia: 22mm
Stem Dia: 10mm
Fits: 9mm Hole
Gray Nylon
OE:OWX68XDB-AA



724787
Push Type Retainers W/ Sealer
Head Dia: 22mm
Stem Dia: 16mm
Fits: 9mm Hole
Black Nylon
OE:06509673AA



724788
Push Type Retainers
Fits: 8mm Hole
Head Size: 18mm
Stem Length: 10mm
Bumper
OE:6509960-AA

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Illustrations are actual size unless otherwise noted.



12

724792
Trim Panel Retainers
Bottom Head Dia: 16mm
Top Head Dia: 13mm
Stem Dia: 11mm
Stem Length: 14mm



25

716424
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 6mm
Stem Dia: 12mm
Black Nylon
OE: 6502328, 20699808



25

720375
Weatherstrip Retainers
Bottom Head Dia: 3/8
Top Head Dia: 7/32
Stem Dia: 5/8
Black Nylon
OE:4658673



25

720382
Weatherstrip Retainers
Bottom Head Dia: 3/8
Top Head Dia: 7/32
Stem Dia: 3/8
Black Nylon
OE:2964547



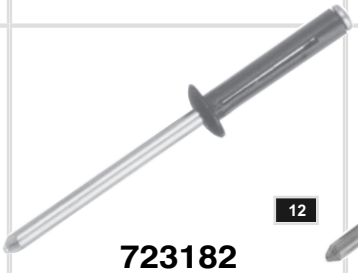
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724606
Weatherstrip Retainers
Bottom Head Dia: 1/4 X 21/32
Top Head Dia: 1/4
Stem Dia: 15/32
White Nylon
OE:4696129, 21077575



25

724210
Ergo-Tuflok Drive Rivets
Head Dia: 25mm
Stem Dia: 20mm
Fits: 10.5mm Hole
Fnder, Flare, Gas Tank & Panel Attach.
OE: 5GUU9K11BA, 11589295, W712665-S300



12

723182
Blind Rivets
4mm (5/32) Rivet
Grip Range: 1.0-7.5mm (.040
8mm (5/16) Flange
Aluminum Body/mandrel
OE:6034212,10131511, N807620-S100



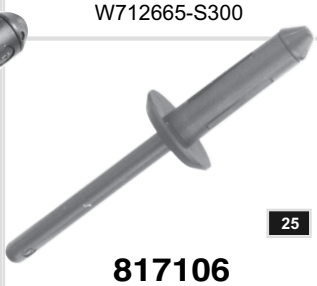
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723388
Blind Rivets
5/32 Dia.
Grip Range: 0.040 - 0.250
7/16 Flange
Front Bumper Impact Asborber
OE:6036148AA



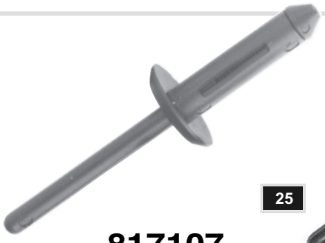
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724783
Nylon Rivets
Fits: 1/4
Panel Range: 5/32 X 15/64
Flange Dia: 1-3/32
Fender Liner
OE:6508444-AA



25

817106
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/8-15/64 (3-6mm)
15/32 (12mm) Head Dia.
Automotive OEM Approved
OE:6500899,175-853-577, 20432975



25

817107
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/8-3/16 (3-4.75mm)
15/32 (12mm) Head Dia.
Automotive Oem Approved
OE:6500859



25

817110
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:6500911,14063981, 8934-201-631, N803043-S



25

817111
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
1/2 (12.5mm) Head Dia.
Automotive OEM Approved
OE:6501559,20452072, N803862-S



25

817118
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 19/64-27/64 (7.5-11mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:4370138,N804675-S, N804759-S



25

817120
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/8-5/32 (3-4mm)
11/32 (9mm) Head Dia.
Automotive OEM Approved
OE: 6004212, 20465395



25

527102
Special Rivets
Dia.: 1/4
Grip Range: 9/64 To 3/16
1/2 Flange Dia.
Body: Aluminum
OE: 6032926, 9437486

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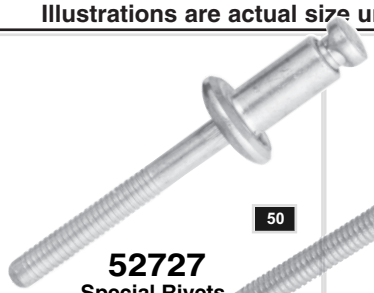
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527104
Special Rivets
Dia.: 3/16
Grip Range: 1/2 To 5/8
5/8 Flange Dia.
Body: Aluminum
OE:2085119, 3533539, 3540161



25

527117
Special Rivets
Dia.: 5/32
Grip Range: 1/8 To 3/16
5/16 Flange Dia.
Body: Aluminum
OE: 6032138, 9432137



50

52727
Special Rivets
1/4 Dia.
Grip Range: 1/32 To 9/64
Window Regulator, Glass
1/2 Flange Dia.
OE: 6031115, 004005791, 385189-S100, 9436175



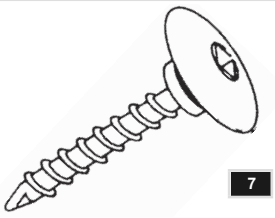
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52728
Special Rivets
1/4 Dia.
Grip Range: 33/64 To 19/32
Window Regulator, Glass
1/2 Flange Dia.
OE:6031091, 385323-S100, 9437938



12

724791
Specialty Rivets
Diameter: 1/8
Grip: 1/32 - 3/16
Flange: 1/4
Blk Alum Rivet/ Steel Mandrel
OE:6508540-AA



7

720754
Sq. Drive Truss Head Fascia Screws
7.5mm X 34.5mm
22mm Head
Attaches Foam To Bumper
Black Nylon
OE:6503401, 6503819, 25631448



50

718840
Trim Screws
8-18 X 1
7/16 Head Dia.
Phillips Round Washer Head
OE:4005091



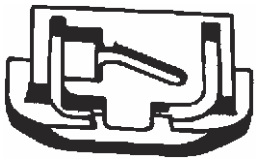
12

724772
Cable Ties
Overall Hgt: 174mm (6-15/16)
Max Dia: 40mm (1-9/16)
Strap Width: 5mm (3/16)
Black Nylon



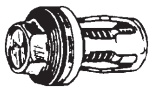
25

720182
Body Bolts
6mm-1.0 X 20mm
10mm Hex
12.7mm Washer Dia.
Hx Flange Head W/ Starter Pnt
OE: 8934-201-287, 34201287



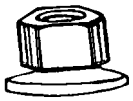
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716409
Moulding Clips
Windshield To Panel (lower) Side
1975-on Gm
1975-on Amc
OE: 4005540, 9731301



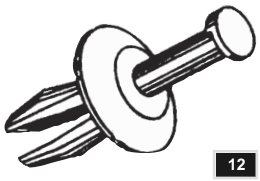
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717033
Expansion Nut Kits
1/4-20 Screw & Nut
Rear View Mirror
5/8 Washer OD
3/8 Hex
OE: 14007510, 367292, 474821



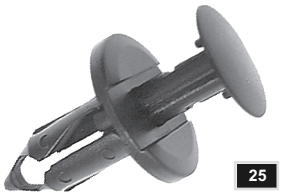
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716894
Metric Hex Nuts
M5-.80
15mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE: 4200408, N621903



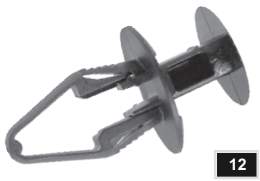
12

723025
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits:1/4 (6.4mm)
Frnt Fender Mud Skirt & Fender Liner
OE: 8934-201-621, 14019205, 14019206,16514113, 34201621, 6504090, E3DZ-14A163A



25

724133
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 20mm
Fits:8mm Hole
Air Baffle To Under Carriage
OE:6503598,15969147, 21030249,N807389-S



12

724140
Ergo-tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 20mm
Fits: 9.5mm Hole
Fender, Wheel & Bumper
OE:6508712AA,11561368



25

724205
Ergo-tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 17.5mm
Fits: 6.5mm Hole
Air Distributor & Windshield
OE:6508863AA,11589289

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Illustrations are actual size unless otherwise noted.



724207
Ergo-tuflok Drive Rivets
Head Dia: 19mm
Stem Dia: 16mm
Fits: 8mm Hole
Fascia & General Purpose
OE:5116530AA,15296830



720334
Rear Bumper Fascia Retainers
Head Dia: 27/32 (21mm)
Stem Dia: 1" (25mm)
Fits:1/2 (12mm) Hole
Shoulder: 1/8(3mm)
OE:6502625,10140480



720059
Door Frame Spacer Retainers
Bottom Head Dia: 1"
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE: 4381395, 6501086, 388904-S



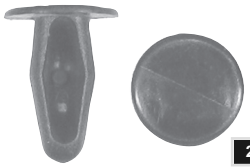
817110
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:8934-201-631,14063981, 6500911,N803043-S

Illustrations are actual size unless otherwise noted.



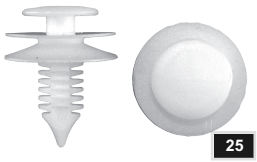
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724855
Weatherstrip Clips
Bottom Head Dia: 5 X 15mm
Top Head Dia: 8mm
Stem Dia: 8mm
White Nylon
OE:W711858-S300



25

716311
Trim & Panel Clips
1/2 Pan Head Dia.
Door Panel Up To 1/4
Fits: 1/4 Hole
OE:375373-S



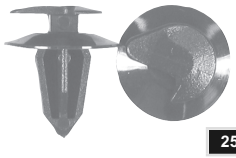
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716318
Door Panel Retaining Clips
OE:388499-S



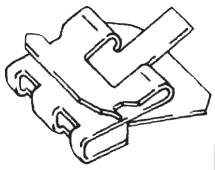
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717216
Door Trim Panel Clips W/ Anti-rattle Wedge
Phosphate
OE:383033-S101



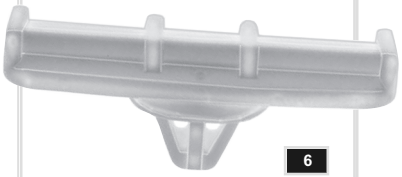
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718400
Door Trim Panel Clips
OE:385188-S



6

724518
Engine Splash Shield Clips
13/16 Width; 1-1/16 Length
Front Bumper Cover To
Air Dam
Zinc Organic
OE:W701295-S301



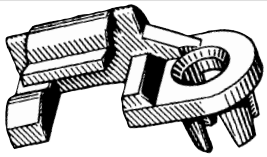
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724539
Fender Moulding Clips
Head Dia: 15 X 51mm
Stem Dia: 11mm
Fits: 8mm Hole
White Nylon
OE:F57B-16241-AA



10

724821
Fuel Line Retainer Clips
Head Size: 3/8 X 5/8
Overall Hgt: 21/32
For 5/16 Fuel Line Hose
White Nylon
OE:4F1Z-9A317-AA



12

717183
Hood Prop Rod Clips
7/32 Dia.

Nylon

OE:D5ZZ-16828A, D5ZZ-16828B



10

724832
Moulding Clips W/ Sealer
Top Head: 12mm X 20mm
Bottom Head: 15mm X 20mm
Stem Length: 15mm
Rocker Panel
OE:W715201-S300



10

724833
Moulding Clips W/ Sealer
Top Head: 12mm X 20mm
Bottom Head: 12mm X 24mm
Stem Length: 16mm
Bumper
OE:W716497-S300



12

724834
Moulding Clips W/ Sealer
Fits: 9mm Hole
Top Head: 15mm X 20mm
Bottom Head: 20mm X 20mm
Stem Length: 14mm
OE:W716503-S300



10

724835
Moulding Clips
Fits: 9mm Hole
Top Head: 16mm X 23mm
Bottom Head: 17mm
Stem Length: 12mm
OE:W790225-S900



12

724857
Moulding Clips
Head Size: 11mm X 20mm
Overall Height: 13.5mm
Stem Dia: 11mm
White Nylon
OE:W716460-S300

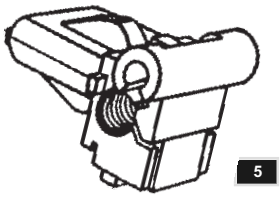


1

721049
Door Lock Rod Clips
Right Hand

White Pawl

OE:YL3Z-1521970-AA



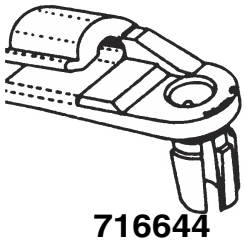
5

716643
Door Lock Rod End Clips
5/32 Rod Diameter
2-piece Fold Over

White Nylon
OE:E6DZ-5421952-A,
E83Z-5421952-B

FORD

Illustrations are actual size unless otherwise noted.



10

716644
Door Lock Rod End Clips
5/32 Rod Diameter

Yellow Nylon

OE:390523-S, E6AZ-5421952-A



25

716310
Retaining Clips
6.3mm X 9mm
14mm Head
Various Front End Fascia

OE:N-803857-S



25

717166
Door Hinge Bushings
5/16 ID
13/32 OD
9/32 Height

OE: D1AZ-6522841A, 9721917

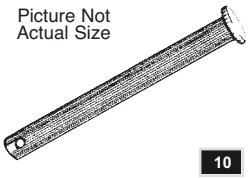


25

717387
Door Hinge Bushings
5/16 ID
31/64 OD
9/32 Height

OE:D90Z-6522841A

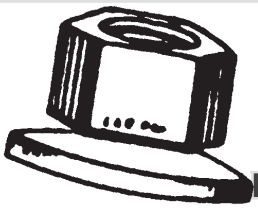
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10

721055
Door Hinge Pins
3-3/8 Length
11/32 Dia.
9/16 Head Dia.
Zinc Plated

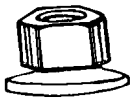
OE:D9ZZ-6643030-AA



25

720301
Body Fastener Nuts
6mm-1.0
M24 Washer Diameter
Free Spinning Washer
Zinc & Yellow

OE: N-621907-S2



25

716894
Metric Hex Nuts
M5-.80
15mm Washer Diameter
W/ Free Spinning Washer
Phosphate

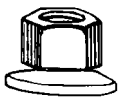
OE: N621903, 4200408



25

717476
Metric Hex Nuts
M6-1.0
18mm Washer Diameter
W/ Free Spinning Washer
Phosphate

OE: N621906-S2



25

720298
Metric Hex Nuts
M6-1.0
16mm Washer Diameter
W/ Free Spinning Washer
Phosphate

OE:N-621905-S2



5

724820
Bumper Grommets
Fits: 17 X 20mm Hole
Head Size: 27mm X 30mm
Stem Length: 32mm
Rear Bumper Grommet W/seal

OE:3M8Z-16K262-A, GJ6A-50-ES1

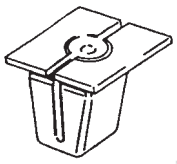


12

724853
Tail Lamp Grommets
Head Size: 13mm X 17mm
Stem Length: 10mm

Black Nylon

OE:W711079-S300



7

723049
Screw Grommets
Fits: 10 X 13.5mm Hole
20mm Square Flange
4.2mm Screw
Hdlmp Mount At Grille Opening

OE:YS4Z-13N129-AA



5

724844
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 15mm X 27mm
Stem Length: 13mm
Cowl Vent

OE:3M8Z-17C432-A, GK2A-50-798



12

724845
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 16mm
Stem Length: 24mm
Front Bumper

OE:W708319-S300



12

724846
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 11.5mm X 11.5mm
Stem Length: 18mm
Side Marker/ Tail Light / Bump

OE:W708580-S300



10

724848
Screw Grommets W/ Sealer
Head Size: 15mm X 15mm
Stem Length: 22mm
M6.3-1.81 (No.14) Screw Size
License Plate & Tail Light

OE:W711031-S300

FORD

Illustrations are actual size unless otherwise noted.



25

702563
License Plate Nuts
1/4 (No. 14) Or 6mm Sq. Hole
No. 10 Or 4.2mm Screw
Nylon

OE:380707-S



25

717149
Side Mirror Nuts
Fits: 1/4 Square Hole
No. 8 Or No. 10 Screw
Headlight Door & Grille
White Nylon

OE:379830-S



12

723048
Rear Splash Shield Push Nuts
4.5mm Stud
22mm OD
For Plastic Studs
Wheel Opening

OE:W703505-S301



25

717106
Extruded "U" Nuts
1/4-20 Thread Size
.025 - .150 Panel Range
25/32 Center Of Hole To Edge
Phosphate

OE:45267,1494257



50

717108
Extruded "U" Nuts
5/16-18 Thread Size
.025 - .150 Panel Range
7/8 Center Of Hole To Edge
Phosphate

OE: 45268-S2,10008002, 1494258



10

717109
Extruded "U" Nuts
3/8-16 Thread Size
.050 - .200 Panel Range
3/4 Center Of Hole To Edge
Phosphate

OE: 45265-S2, 12337873, 1494254



12

717482
Extruded "U" Nuts
8mm-1.25 Screw
.80-4.50mm(.030 -.170) Panel Range
20mm(13/16) Center Of Hole To Edge
Phosphate

OE:N623343-S2, N623343-S100, 11500661, 11503317, 11516150



12

724602
Extruded "U" Nuts
M6-1.0 Screw
.80 - 4.00mm (.030- .160) Panel Rnge
M13.5 (17/32) Cnter Of Hole To Edge
Phosphate

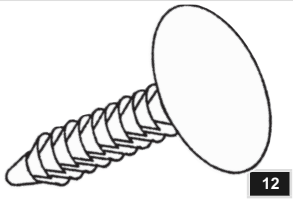
OE:N623332-S2, N623332-S53, N623332-S100, 1016937, 11503957



50

720217
Wide Range "U" Nuts
8-18 Screw
.025 - .150 Panel Range
5/8 Center Of Hole To Edge
Phosphate

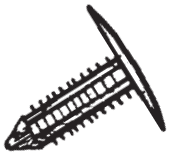
OE: 381863-S2, 11504531, 9433155



12

723346
Interior Trim & Garnish
Bottom Head Dia: 1"
Top Head Dia: 5/16
Stem Dia: 1-1/2
Blue Nylon

OE:N806344-S



25

720378
Shield Retainers
Fits: 13/64 (5.3mm) Hole

Black Nylon

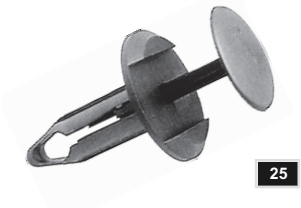
OE:N801994-S100



25

718423
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Splash Shield & Fascia

OE: N802781-S, 14093088



25

718732
Drive Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 23mm
Fits: 7mm Hole
Fascia

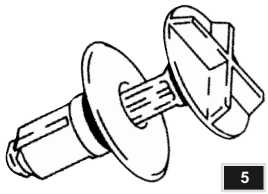
OE:N803716-S



25

718733
Drive Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 23mm
Fits: 6mm Hole
Fascia

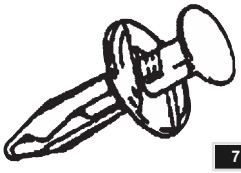
OE: N803709-S,15681408



5

723177
Drive Type Rivet Retainers
Head Dia: 24.5mm
Stem Dia: 14mm
Fits: 9mm Hole
Radiator Sight Shield

OE: W705957-S300, W706519-S300



7

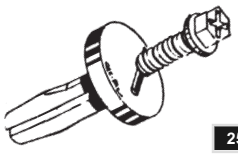
723309
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 26mm
Fits: 8mm Hole
Bumper Cover & Fender Shield

OE:W708530-S300,11518017

FORD

FORD

Illustrations are actual size unless otherwise noted.



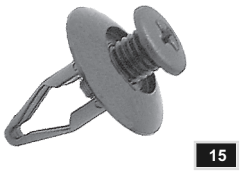
718429
Screw Type Rivet Retainers
Head Dia: 3/4 (19mm)
Stem Dia: 1/2 (12.7mm)
Fits: 1/4 (6.4mm) Hole
Under Hood
OE:N802737-S



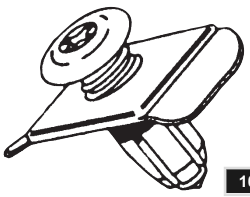
718717
Screw Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 29/32 (23mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:N804837-S



718718
Screw Type Rivet Retainers
Head Dia:15/32 X 15/32 (12 X 12mm)
Stem Dia: 21/32 (16.7mm)
Fits: 1/4 X 1/4 (6.4mm X 6.4mm)
Fascia, Trim & Grille
OE: N803494-S,15679091



718723
Screw Type Rivet Retainers
Head Dia: 25/32 (20mm)
Stem Dia: 23/32 (18mm)
Fits: 5/16 (8mm) Hole
Inner Fender
OE:NA01-56145,63844-01A00,
MNA01-56-145,NA01-56-145



718726
Screw Type Rivet Retainers
11mm Stem Length
30 X 20mm Head
2-7mm Grip Range
Fits: 10mm Hole
OE:E7GZ-17A904-B,
BF67-50-033



720669
Screw Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 11/16 (17.5mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:N808147-S,10139822,
25680782



723047
Screw Type Rivet Retainers
17.5mm Stem Length
16mm Flange
1.6-6mm Panel Range
Fits: 6mm Hole
OE:YS4Z-16K262-AA



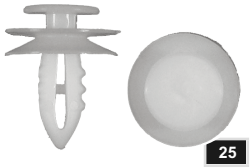
723059
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 8mm
Bumper Cover
Black Nylon
OE:W706713-S300



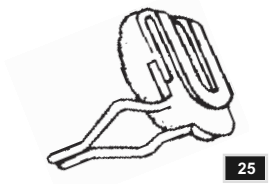
724117
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 8mm Hole
Black Nylon
OE:W705845-S300,B092-51-833



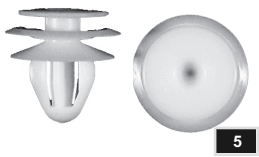
717211
Door Weatherstrip Retainers
Bottom Head Dia: 3/16 X 1/2
Top Head Dia: 3/16
Stem Dia: 5/8
Natural Nylon
OE:C5AB-6220586A



717214
Interior Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 1/2
Stem Dia: 11/32
Stem Length: 9/16
OE:387477-S



717215
Anti-rattle Foam Wedge
OE:383035-S100



723205
Door & Interior Trim Panel
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 9.5mm
OE:MG350-68AB1,G350-68-AB1



724822
Heater Hose Coupler Retainers
Overall Hgt: 3/4
For 3/4 Heater Hose

Gray Nylon
OE:1R3Z-18D434-BA



724842
Lift Gate Trim Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 12mm
Stem Length: 14mm
OE:W709995-S300



724854
Tail Lamp Retainers
Fits: 8mm Square Hole
Top Head: 15mm
Bottom Head: 18mm
Stem Length: 12mm
OE:W713579-S300

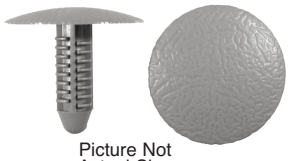
Illustrations are actual size unless otherwise noted.



25

716304
Fascia Retainers
Bottom Head Dia: 7/16
Top Head Dia: 7/32
Stem Dia: 1/2

OE:N803170-S



Picture Not Actual Size

25

716305
Trim Panel / Hood Insul. Retainer
Bottom Head Dia: 25mm
Top Head Dia: 8mm
Stem Dia: 20mm
Gray Nylon
OE:N802734-S, 22718305



Picture Not Actual Size

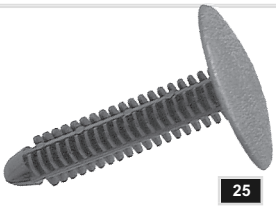
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716306
Trim Panel & Hood Insul. Retainers
Bottom Head Dia: 25mm
Top Head Dia: 8mm
Stem Dia: 20mm
Black Nylon
OE:N802734-S, 22718305



25

716309
Bumper Fascia Retainers
Bottom Head Dia: 22mm
Top Head Dia: 11mm
Stem Dia: 28mm
Black Nylon
OE:N804379S,1631564



25

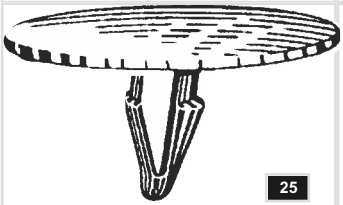
716312
Interior Trim Retainers
Bottom Head Dia: 26mm
Top Head Dia: 8mm
Stem Dia: 38mm
Black Nylon
OE:N-804349-S



Picture Not Actual Size

25

716321
Trim Panel Retainers
Bottom Head Dia: 1”
Top Head Dia: 9/32
Stem Dia: 1-1/16
Black Nylon
OE:388930-S



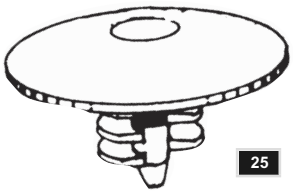
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716325
Hood Insulation Retainers
Bottom Head Dia: 1-3/4
Top Head Dia: 3/8
Stem Dia: 3/4
Black Nylon
OE:388908-S



15

716326
Hood Insulation Retainers
Bottom Head Dia: 38mm
Top Head Dia: 7mm
Stem Dia: 9mm
Black Nylon
OE:65832-F5000, 65846-30F00



25

716331
Hood Insulation Retainers
Bottom Head Dia: 20mm
Top Head Dia: 5.5mm
Stem Dia: 9mm
Nylon
OE:F22Z-16774-A, G030-68-885B38, GA2A-56-694



25

716335
Dashboard Retainers
Bottom Head Dia: 1-1/4
Top Head Dia: 5/16
Stem Dia: 1-3/16
Black Nylon
OE:N-800387-S, N09-280305



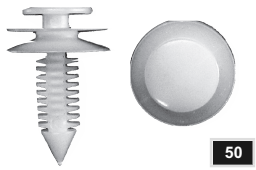
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716337
Door Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 1/2
Stem Dia: 5/16
Stem Length: 5/8
OE: N-802900, 21042958



50

717319
Hood Insulation Retainers
Bottom Head Dia: 1-3/16
Top Head Dia: 3/8
Stem Dia: 3/4
Black Nylon
OE:385595-S, 386553-S



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718415
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 33/64
Stem Dia: 5/16
Stem Length: 13/16
OE:389144-S



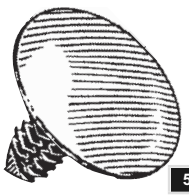
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718422
Door Trim Panel Retainers
Bottom Head Dia: 25/32
Top Head Dia: 1/2
Stem Dia: 5/16
Stem Length: 5/8
OE:N801925-S



50

718430
Trim Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 15/16
OE:387496-S



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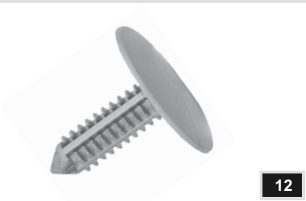
720059
Door Frame Spacer Retainers
Bottom Head Dia: 1”
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE:388904-S, 4381395, 6501086

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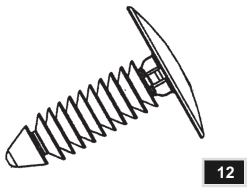
Illustrations are actual size unless otherwise noted.



720383
Carpet & Shield Retainers
Bottom Head Dia: 1”
Top Head Dia: 1/4
Stem Dia: 25/32
Black Nylon
OE: N808370-S



721007
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 7/32
Stem Dia: 11/16
Black Nylon
OE:N801994-S100



723285
Rear Bumper Cover Retainers
Bottom Head Dia: 21mm
Top Head Dia: 7.5mm
Stem Dia: 25mm
Black Nylon
OE:W708035-S300



723349
Fender Flare Retainers
Bottom Head Dia: 18mm
Top Head Dia: 7.5mm
Stem Dia: 33mm
Black Nylon
OE:W709002-S



724790
Trunk Trim & Insul. Retainers
Bottom Head Dia: 23mm
Top Head Dia: 8mm
Stem Dia: 20mm
Black Nylon
OE:6508727-AA



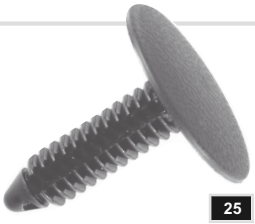
724823
Hood Insulation Retainers
Head Size: 28mm X 30mm
Stem Length: 14mm
Overall Hgt: 16mm
Black Nylon
OE:W709688-S300



724839
Retainers
Bottom Head Dia: 31mm
Top Head Dia: 7.6mm
Stem Dia: 13mm
Black Nylon
OE:W708633-S300



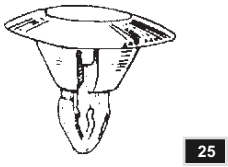
724840
Retainers
Bottom Head Dia: 20mm
Top Head Dia: 9mm
Stem Dia: 17mm
Black Nylon
OE:W715926-S300



724841
Retainers
Bottom Head Dia: 26mm
Top Head Dia: 7.5mm
Stem Dia: 28mm
Black Nylon
OE:W706635-SSW



723056
Fender Flare / Mud Flap Retainer
Bottom Head Dia: 22mm
Top Head Dia: 7.5mm
Stem Dia: 35mm
Black Nylon
OE:W701855-S300



718409
Push Type Retainer Pins
OE:800737-S



718737
Push Type Rivet Retainers
Head Dia: 25mm
Stem Dia: 27mm
Fits: 7mm Hole
Black Nylon
OE:N804674-S



718912
Push Type Retainers
Head Dia: 5/8(16mm)
Stem Dia: 7/16 (11mm)
Fits: 1/4 (6.4mm) Hole
Lic. Plate & Grille To Headlight Bracket
OE:383142-S



724540
Push Type Retainers
Head Dia: 18mm
Stem Dia: 10mm
Fits: 6mm Hole
Trim Panel
OE:5R3Z-54310D12-AAA



724603
Push Type Retainers
Head Dia: 15mm
Stem Dia: 20mm
Fits: 8mm Hole
Rocker Panel, Whl Liner & Air Inlet Duct
OE: F3LY-14570-B, 11561878, 21075686



724837
Push Type Retainers
Fits: 7mm Hole
Head Size: 18mm
Stem Length: 12mm
Lower Radiator Shield
OE:W716510-S300

Illustrations are actual size unless otherwise noted.



25

717212
Weatherstrip Retainers
Bottom Head Dia: 3/16 X 1/2
Top Head Dia: 3/16
Stem Dia: 7/16
Black Nylon
OE:4876498



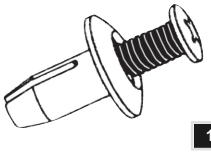
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720499
Weatherstrip Retainers
Bottom Head Dia: 9/32 X 1/2
Top Head Dia: 7/32
Stem Dia: 21/32
Natural Nylon
OE:385677



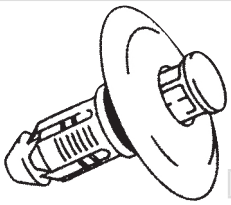
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720934
Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 5mm
Stem Dia: 8mm
Natural Nylon
OE:N806340-S



12

724525
Rear Bumper Screw Type
Head Dia: 18mm
Stem Dia: 18mm
Fits: 8mm Hole
Panel Range: 3.8 - 5mm
OE:W710250-S300



5

723176
Drive Type Rivets - Push To Release
Head Dia: 25mm
Stem Dia: 12mm
Fits: 9mm Hole
Shoulder: 3mm
OE:W705956-S300



12

720501
Peel Type Rivets
3/16 (4.8mm) Rivet
1/2 Flange
Side Door Lock Attachment
OE:W525170-S417



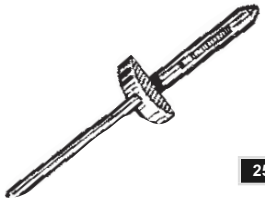
5

720531
Peel Rivets
1/4 (m6.3) Rivet
Grip Range: 1/8-21/64
3/4 Flange
Door Lock Actuator
OE:N808689-S417



25

817105
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/16-11/64 (1.5-4.5mm)
15/32 (12mm) Head Dia.
Automotive OEM Approved
OE:N804189-S,20423647



25

817114
Nylon Blind Rivets
3.96mm Hole Dia.
Grip Range: 6.0mm -10.5
8.0mm X 15.0mm Head Dia.
Automotive OEM Approved
OE:N804583-S



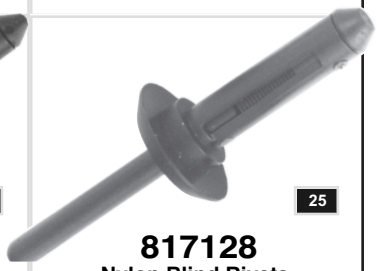
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817117
Nylon Blind Rivets
6.3mm Hole Dia.
1/32-5/32 (.5mm - 4.0mm)
16.5mm Head Dia.
Automotive OEM Approved
OE:N804134-S



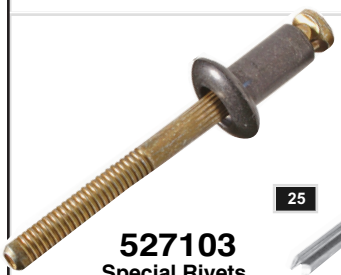
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817122
Nylon Blind Rivets
3/16 (4.75mm) Hole Dia.
Grip Range: 1/16-9/64 (1.5-3.5mm)
3/8 (9.5mm) Head Dia.
Automotive OEM Approved
OE:N805132-S



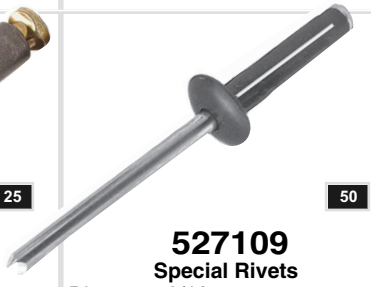
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817128
Nylon Blind Rivets
6.3mm Hole Dia.
Grip Range: 4.0 - 10.0mm
17.0mm Head Dia.
Automotive OEM Approved
OE:N806296-S



25

527103
Special Rivets
Dia.: 1/4
Grip Range: 3/32 To 1/8
1/2 Flange Dia.
Body: Aluminum
OE:388047-S102



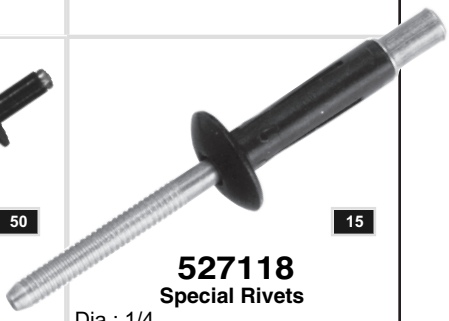
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527109
Special Rivets
Diameter: 3/16
Grip Range: 5/64 To 15/64
7/16 Flange Dia.
Body: Aluminum
OE:N805592-S100, 25618730



50

527115
Special Rivets
Dia.: 1/8
Grip Range: 1/16 To 1/8
3/8 Flange Dia.
Body: Aluminum
OE:N805759-S100

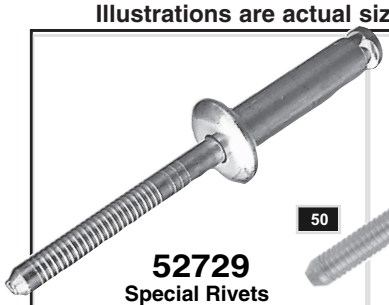


15

527118
Special Rivets
Dia.: 1/4
Grip Range: 1/16 To 1/4
9/16 Flange Dia.
Body: Aluminum
OE:N804851-S100

FORD

Illustrations are actual size unless otherwise noted.



52729
Special Rivets
1/4 Dia.
Grip Range: 11/64 To 3/4
Window Regulator, Glass
1/2 Flange Dia.
OE:389268-S100, 12338153, 20184399



52791
Special Rivets
1/4 Dia.
Grip Range: 3/32 To 1/8
Window Regulator, Glass
1/2 Flange Dia.
OE:388047-S100, 14078435



52792
Special Rivets
Dia.: 1/4
Grip Range: 1/8 To 1/4
1/2 Flange Dia.
Body: Steel
OE:372820-S36, 372820-S40



52793
Special Rivets
Dia.: 1/4
Grip Range: 1/8 To 1/4
3/4 Flange Dia.
Body: Steel
OE:388442-S100



52794
Special Rivets
Dia.: 3/16
Grip Range: 3/8 To 1/2
9/16 Flange Dia.
Fascia & Bumper
OE:388664-S100



724849
Specialty Rivets
Diameter: 1/4
Grip: 3/16 - 3/8
Flange: 11/16
Bumper Cover Split Type
OE:W705297-S300



724850
Specialty Rivets
Diameter: 1/4
Grip: 1/64 - 7/32
Flange: 3/4
Attaches Power Lock Motor/sole
OE:W710079-S300



724851
Specialty Rivet
Diameter: 5/32 (4mm)
Grip: 3/64 - 1/8
Flange: 3/8 (9mm)
Black Alum Rivet/steel Mandrel
OE:W713819-S900



723347
Belt Moulding Blind Rivets
3.2mm (0.126) Rivet
Grip Range: 3.2-4.75mm
9.5mm Flange
8.5mm Length
OE:N808376-S417



724852
All Steel Specialty Rivets
Diameter: 1/4 (6.3mm)
Grip: .110 - .189
Flange: 1/2 (13mm)
Galvanized Rivet/ Steel Mandrel
OE: W702512-S900C, W708777-S437



723294
Sheet Metal Screws
4.2mm-1.41 X 20mm
16mm (5/8) Washer OD
No. 8 X 25/32
Phillips Pan Head W/ Sems Washer
OE:N801603-S2



702565
License Plate Bolts
6mm X 27mm
19mm Washer
Indented Hex Head
W/loose washer
OE:N-606676-S53B



716633
License Plate Screws
(No. 14) 1/4 X 5/8
5/16 Hex
5/8 Washer Head OD
Slotted Hex Washer Head
OE:N800369



718907
License Plate Screws
(No. 14) 1/4 X 5/8
5/16 Hex
5/8 Washer Head OD
Slotted Hex Washer Head
OE:N800369-S2

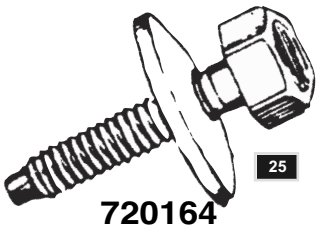


716219
Trim Screws
8 X 1/2
13/32 Head Dia.
Phillips Round Washer Head
Black Phosphate
OE:381801-S2, 390017-S2, 20423550

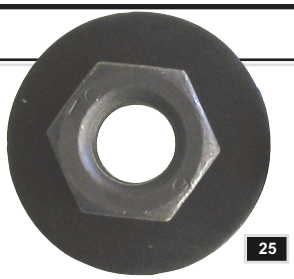


716222
Trim Screws
8 X 1/2
11/32 Head Dia.
Phillips Round Washer Head
Chrome
OE:388020-S47X, 11503289

Illustrations are actual size unless otherwise noted.



720164
Body Bolts
6mm-1.0 X 23mm
8mm Hex
19mm Washer Dia.
Dog Point W/ Loose Washer
OE:N606676-S2,6100566



717478
Metric Hex Nuts
M8-1.25
24mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE:N621940, 11500401, 11503695



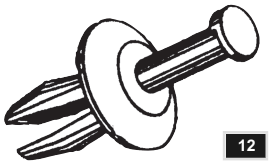
718427
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 7/8 (22mm)
Fits: 5/16 (8mm) Hole
Shoulder: 1/8(3.2mm)
OE:N803421-S,6501590



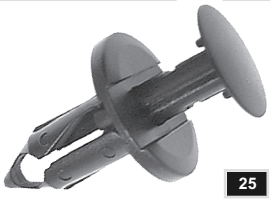
718679
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE: N803362-S, 20510029, 34202672



718728
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 5/8 (16mm)
Fits: 1/4 (6.4mm) Hole
Cowl Ldge, Wtherstrip & Fnder Liner
OE: 387843-S, 472434, 480534, 6031390



723025
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits:1/4 (6.4mm) Hole
Frnt Fender Mud Skirt & Fender Liner
OE: E3DZ-14A163A, 14019205, 14019206,16514113, 34201621, 6504090, 8934-201-621



724133
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 20mm
Fits:8mm Hole
Air Baffle To Under Carriage
OE:N807389-S,15969147, 21030249, 6503598



724139
Ergo-tuflok Drive Rivets
Head Dia: 20mm
Stem Dia: 22mm
Fits: 8.5mm Hole
Cowl Vent & Fender
OE:W712196-S300,11589293



724206
Ergo-tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 22mm
Fits: 6.5mm Hole
Air Dam & Grille
OE:W713331-S300,11589291



724210
Ergo-tuflok Drive Rivets
Head Dia: 25mm
Stem Dia: 20mm
Fits: 10.5mm Hole
Fnder, Flare, Gas Tank & Panel Attach.
OE:W712665-S300,11589295, 5GUU9K11BA



718716
Screw Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8 (22mm)
Fits:1/4 (6.4mm) Hole
Black Nylon
OE: N803946-S, 6502871



725103
Retainers
Top Head: 13mm
Bottom Head: 17.5mm
Stem Dia: 10.5mm
Stem Length: 15mm
OE:1008068, 7M0-867-299-K, 7M3-867-299, DYC500020



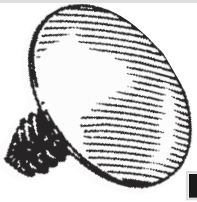
716319
Shield Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 5/8
Fender & Bumper
OE: 389358,14093311, 20732399, 332364, 3691590, 4004569, 6031321



716333
Retainers
Bottom Head Dia: 3/4
Top Head Dia: 9/32
Stem Dia: 1/2
Black Nylon
OE:387258-S, 20032850, 3861577



716349
Fascia To Bumper Retainers
Bottom Head Dia: 1"
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE:389443-S



716350
Door Frame Spacer Retainers
Bottom Head Dia: 1"
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE: 388904-S, 4381395, 6501086

FORD

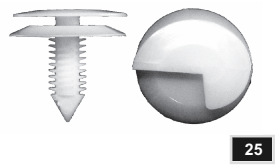
Illustrations are actual size unless otherwise noted.



717130
Shield Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 13/16
Radiator Yoke, Fender & Bumper
OE: 388577-S, W705589-S300, 15958694, 1605396, 6030441, 6036007AA, 6502078



717131
Hood Insulation Retainers
Bottom Head Dia: 1/2 X 1-1/2
Top Head Dia: 9/32
Stem Dia: 5/8
Black Nylon
OE:385330-S,D30Z-16776-A, 4005513, 6003351



718230
Door Trim Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 11/16
OE:385661-S, 4005470, 6003349, 6032363, 9685057,N98905101



720380
Trim Panel Retainers
Bottom Head Dia: 5/8
Top Head Dia: 3/8
Stem Dia: 3/4
Trunk Lid Latch
OE: N807721-S, 6504043



718730
Push Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits:1/4 (6.4mm) Hole
Front Fender Mud Skirt & Fender Liner
OE:E3DZ-14A163A,14019205,14019206, 16514113, 34201621,6504090,8934-201-621



723182
Blind Rivets
4mm (5/32) Rivet
Grip Range:1.0-7.5mm (.040-2.75)
8mm (5/16) Flange
Aluminum Body/mandrel
OE:N807620-S100, 10131511, 6034212



817110
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:N803043-S, 14063981, 6500911, 8934-201-631



817111
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
1/2 (12.5mm) Head Dia.
Automotive OEM Approved
OE:N803862-S, 20452072, 6501559



817118
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 19/64-27/64 (7.5-11mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE: N804675-S, N804759-S, 4370138



52727
Special Rivets
1/4 Dia.
Grip Range: 1/32 To 9/64
Window Regulator, Glass
1/2 Flange Dia.
OE: 385189-S100, 004005791, 6031115, 9436175



52728
Special Rivets
1/4 Dia.
Grip Range: 33/64 To 19/32
Window Regulator, Glass
1/2 Flange Dia.
OE:385323-S100, 6031091, 9437938

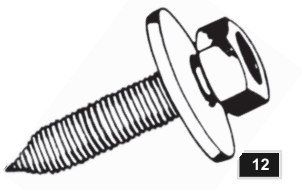


717271
Metric Extruded “U” Nuts
M8-1.25 Screw
.80-4.00mm (.030 -.160) Panel Range
14.5mm (9/16) Hole Center To Edge
Phosphate
OE: N623333-S2,11500660, 11502617, 6101283

Illustrations are actual size unless otherwise noted.



723276
Bolts W/ Starter Point
6mm-1.0 X 20mm
13mm Washer
10mm A/F
Indented Hex Washer Head
OE:11503800



724526
Body Bolts
8mm-1.25 X 26mm
13mm Hex
24mm Washer Dia.
Indent Hx Hd w/ Wshr & CA Pnt
OE:25531999



724541
Body Bolts
10mm-1.5 X 35mm
15mm Hex
22mm (7/8) Washer Head OD
25mm (1") Washer OD
OE:11516845



724880
Grille Clips
Overall Hgt: 14mm (9/16)

White Nylon
OE:5482087

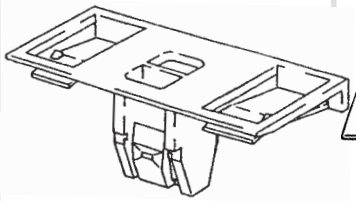


718671
Front Fender
Splash Shield Clip

OE:25517947

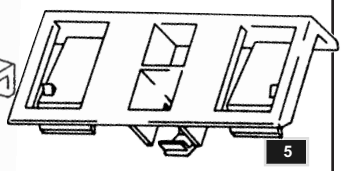


720943
Rocker Panel Moulding Clips
1-1/4 Stem Length
7/8 X 1-9/16 Bot. Head
11/16 X 1-1/2 Top Head
Fits: 7/16 Hole
OE:10431761



723017
Rocker Panel Moulding Clips
Fits: 9mm X 14mm Hole
7/8 W X 2" L

Gray Nylon
OE:25648693



723180
Rocker Moulding Clips
7/8 W X 2" L

Pontiac Bonneville
Black Nylon
OE:25691949,25704001



723300
Rocker Pnl Mlding Clip W/Seal
9/16 Stem Length
Fits: 7/16 Hole
13/16 X 13/16 Bottom Head
9/16 X 13/16 Top Head
OE:11518357



723304
Wire Loom Routing Clips
20mm Stem Length
Fits: 6.3mm Hole
10mm Loom ID
13mm Loom OD
OE:12160858



724534
Rocker Panel Moulding Clips
Top Head: 9/16 X 25/32
Bottom Head: 5/8 X 25/32
Fits: 3/8 Hole
Stem Length: 9/16
OE:25742293



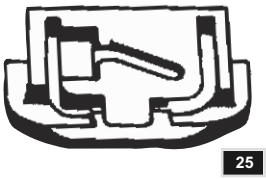
724939
Rocker Mlding Clip W/ Sealer
Fits: 9mm Hole
Top Head: 12mm X 20mm
Bottom Head: 12mm X 24mm
Stem Length: 14mm
OE:11610495



724956
Rocker Mlding Clip W/ Sealer
Fits: 9mm Hole
Top Head: 9mm X 20mm
Bottom Head: 14mm X 20mm
Stem Length: 14mm
OE:11546635,11612122

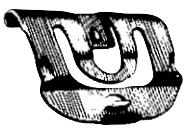


724957
Rocker Molding Clip W/ Sealer
Fits: 9mm Hole
Top Head: 9.5mm X 20mm
Bottom Head: 14mm X 20mm
Stem Length: 20mm
OE:11569921,15864780



716409
Moulding Clips
Windshield To Panel (lower) Side

White Nylon
OE:9731301,4005540



717219
Moulding Clips
Rear Window Reveal

OE:4533699

GM

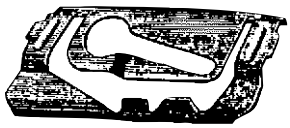
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717222
Moulding Clips
Upper & Lower Windshield

OE:7698976,8763591



25

717223
Moulding Clips
Windshield, Skylight, Rear & Quarter Window

OE:7693140,8736586



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717226
Moulding Clips
Rear Window

OE:8717859,9854717



10

724887
Moulding Clips
Top Head: 12mm X 14mm
Bottom Head: 17.5mm X 20mm
Stem Length: 13mm
Rocker Panel
OE:94530385



10

724888
Moulding Clips
Fits: 8mm Hole
Top Head: 11mm X 15mm
Bottom Head: 16mm
Stem Length: 10mm
OE:94530742



10

724889
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 16mm
Bottom Head: 12mm X 20mm
Stem Length: 24mm
OE:25775903



12

724890
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 29mm
Bottom Head: 12mm X 20mm
Stem Length: 10mm
OE:25922739



10

724891
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 20mm
Bottom Head: 12mm X 20mm
Stem Length: 11mm
OE:11571175



10

724892
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 16mm
Bottom Head: 12mm X 20mm
Stem Length: 24mm
OE:25774893



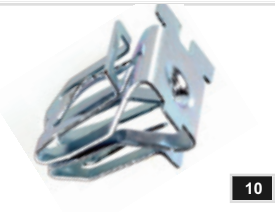
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724893
Moulding Clips
Fits: 10mm Hole
Head Size: 22mm X 46mm
Stem Length: 17mm
Rocker
OE:25744385



10

724894
Moulding Clips
Fits: 7/16 Hole
Top Head: 15/32 X 25/32
Bottom Head: 1/2 X 25/32
Stem Length: 9/16
OE:10445899



10

724895
Moulding Clips
Head Size: 13.5mm X 20.5mm
Overall Length: 22mm
M4.2 (no. 8) Screw Size
Windshield Garnish / Int. Trim
OE:11609651



10

724896
Moulding Clip W/Metal Reinfrc
Top Head: 17mm X 20mm
Bottom Head: 14mm X 28mm
Stem Length: 11mm
Windshld Pillar, Interior & Trunk
OE:24405740



10

724897
Moulding Clip W/Metal Reinfrc
Top Head: 17mm X 20mm
Bottom Head: 14mm X 28mm
Stem Length: 12mm
Windshield Pillar & Interior Trim
OE:24405739



10

724898
Moulding Clips W/ Sealer
Fits: 8mm Hole
Top Head: 8mm X 18mm
Bottom Head: 15mm
Stem Length: 13mm
OE:11611375



10

724899
Moulding Clips W/ Sealer
Fits: 10mm Hole
Top Head: 22mm X 45mm
Bottom Head: 25mm X 37mm
Stem Length: 15mm
OE:11611435

Illustrations are actual size unless otherwise noted.


10

724900
Moulding Clips
Fits: 7mm Hole
Top Head: 6.5mm X 15mm
Bottom Head: 13mm X 26mm
Stem Length: 8mm
OE:25796285


10

724901
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 20mm
Bottom Head: 12mm X 20mm
Stem Length: 11mm
OE:11562250,11571175


10

724902
Moulding Clips W/ Sealer
Top Head: 12mm X 20mm
Bottom Head: 12mm X 24mm
Stem Length: 16mm
Gray Nylon
OE:11609923


10

724903
Moulding Clips W/ Sealer
Top Head: 7.5mm X 11mm
Bottom Head: 15mm
Stem Length: 14mm
Lower Door & Fender
OE:11611079


12

724904
Moulding Clips
Fits: 9mm Hole
Top Head: 12.5mm X 23mm
Bottom Head: 12.5mm X 23mm
Stem Length: 11mm
OE:11611626


10

724905
Moulding Clips
Fits: 9mm Hole
Top Head: 12.5mm X 20mm
Bottom Head: 18mm
Stem Length: 11mm
OE:11570847


10

724906
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 20mm
Bottom Head: 12mm X 20mm
Stem Length: 10mm
OE:11547210


25

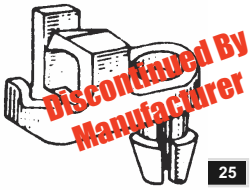
717719
Door Lock Rod Clips
OE:12337868,14051674,
4234830


10

721051
Door Lock Rod Clips
5/32 Rod Diameter
Gray Nylon
OE:16629990,16675980

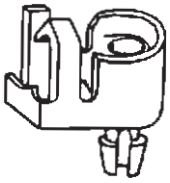

25

716647
Door Lock Rod End Clips
5/32 Rod Diameter
Right Side
Black Nylon
OE:20582532,20633148



25

717713
Door Lock Rod End Clips
.186 Rod Diameter
OE:3081052,469716


25

717714
Door Lock Rod End Clips
.156 Rod Diameter
.140 Panel Thickness
OE:20008799


25

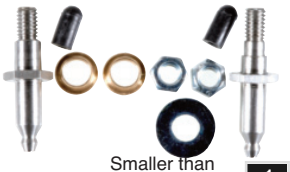
717716
Door Lock Rod Retaining Clips
3/8 Rod Diameter
Right Side
OE:20158344,378668,469718


25

716320
Trim Panel Clips
19mm Head; 34mm Overall Len.
1.75-20mm Panel Range
Fits: 7mm Hole
Natural Nylon
OE:1699250


25

717238
Door Hinge Bushings
5/16 ID
1/2 OD
23/64 Height
Splined OD
OE:20429500



1

724872
Door Hinge Pin & Bushing Kit
Repairs One Hinge
Greaseable Stainless Steel
OE:19260056

GM

GM

Illustrations are actual size unless otherwise noted.



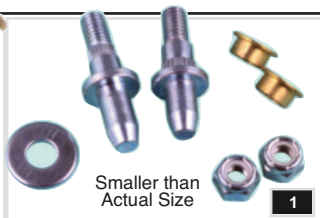
717256
Door Hinge Pins
4-5/32 Length
11/32 Dia.
15/32 Head OD
Zinc & Yellow
OE:12338015,14066728



717397
Door Hinge Pins
5-1/4 Length
11/32 Dia.
3/8 Shoulder OD
9/16 Head OD
OE:15591860,15691595,
15967691,88891731



720999
Door Hinge Pins
4-1/8 Length
11/32 Dia.
3/8 Shoulder OD
1/2 Head OD
OE:15653790



723290
GM Truck Door Hinge Pins & Bushing Repair Kit
OE:89025539



724876
Door Hinge Roller Kit
Repairs One Hinge
Greaseable Stainless Steel
OE:19260063



717364
Side Dr Lower Hinge Bushings
25-64 ID
17/32 OD
23/64 Height
Splined OD
OE:15562609,15964972,
16632192



717363
Side Dr Upper Hinge Bushings
11/32 ID
43/64 OD
23/64 Height
Splined OD
OE:12338074,15691493,
15964971,16632193



724881
Hinge Pin & Bushing Kit
Repairs 2 Side Cargo Doors
Greaseable Stainless Steel
OE:19260663



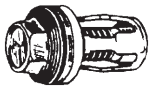
724883
Hinge Pin & Bushing Kit
Repairs 2 Hinges
Greaseable Stainless Steel
OE:19260061



724885
Hinge Pin Bushing & Bracket Kit
Repairs 1 Hinge
Greaseable Stainless Steel
W/bracket
OE:19260060



724886
Hinge Pin Bushing &
Repairs 1 Hinge
Greaseable Stainless Steel
W/bracket
OE:19260058



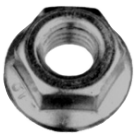
717033
Expansion Nut Kits
1/4-20 Screw & Nut
Rear View Mirror
5/8 Washer OD
3/8 Hex
OE: 14007510, 367292, 474821



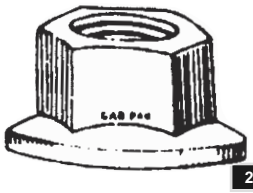
716895
Flange Nuts
M5-.80
8mm A/F
Metric Hex Washer Nuts
Black Oxide
OE:11502722



717260
Flange Nuts
M6-1.00
10mm A/F
Metric Hex Washer Nuts
Phosphate
OE:11503745



717270
Flange Nuts
M8-1.25
13mm A/F
Metric Hex Washer Nuts
Phosphate
OE:11501889,11502609,
11507036



717287
Flange Nuts
M10-1.50
15mm A/F
21mm Washer Dia.
Metric Hex Washer Nuts
OE:11501850

Illustrations are actual size unless otherwise noted.



12

716776
Body Rack Mounting Jack
5mm-1.00
15.88mm Head
11.1-11.43mm Hole
Zinc
OE:14007940



25

716887
Metric Hex Nuts
M6-1.00
16mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE: 11503752, 11505329, N90100001



25

717265
Metric Hex Nuts
M6.3-1.00
16mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE: 11500747, 11501106



25

717475
Metric Hex Nuts
M6-1.0
16mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE: 11503753



25

717477
Metric Hex Nuts
M6.3-1.0
19mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE:11500371



25

717478
Metric Hex Nuts
M8-1.25
24mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE: 11500401, 11503695, N621940



25

720304
Metric Hex Nuts
M8-1.25
28mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE:11502635



50

717485
Stamped Hex Nuts
5mm X 10mm
15mm Flat Washer
Self Threading W/o Sealer
Zinc & Yellow
OE:11501932,15002519



50

720327
Stamped Hex Nuts
4mm X 9mm
15mm Faceted Washer
Self Threading W/sealer
Zinc & Yellow
OE:11502540



50

503157
Push Nut Retainers
8mm Bolt
25mm OD
Bumper Strip
Zinc
OE:10009923



50

503158
Push Nut Retainers
10mm Bolt
24mm OD
Bumper Bar Bolt
Dacromet
OE:11501849



50

503159
Push Nut Retainers
14mm Bolt
25mm OD
Bumper Rub Strip
Zinc
OE:11504119



50

717490
Push Nut Retainers
3.2mm Bolt
9.5mm OD
Zinc
OE:11502794



50

717491
Push Nut Retainers
4mm Bolt
11mm OD
Phosphate
OE:11501937



50

717492
Push Nut Retainers
5mm Bolt
11mm OD
Zinc
1978-on Gm
OE:11501927



50

717493
Push Nut Retainers
6mm Bolt
13mm OD
Zinc
Gm
OE:11503736

GM

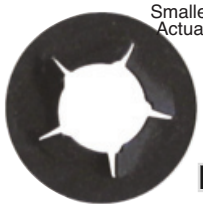
Illustrations are actual size unless otherwise noted.



50

717494
Push Nut Retainers
6.3mm Bolt
13mm OD
Zinc

OE:11503698



50

717495
Push Nut Retainers
8mm Bolt
16mm OD
Zinc

OE:1703731



10

724924
Retainers
Fits: 11mm
Head Size: 16mm
Stem Length: 16mm
Overall Length: 20mm

OE:11570830



12

724944
Grommets
Head Size: 13.5mm
Overall Length: 14mm
Door Glass To Regulator
Grommet

OE:25803643



10

724945
Grommets W/ Sealer
Head Size: 24mm
Stem Length: 22mm
Overall Hgt: 24.5mm
Tail Light

OE:11561987



10

724947
Grommets W/ Sealer
Fits: 7mm Hole
Head Size: 12mm X 14.5mm
Stem Length: 15mm
Trim Panel

OE:10351052



12

724948
Grommets W/ Sealer
Fits: 9mm Hole
Flange: 24mm
Stem Length: 12mm
Trim Panel

OE:11561500



10

724940
Specialty Grommets
Head Size: 15mm X 18mm
Stem Length: 23mm
M6.3 (1/4 Or No. 14) Screw Size
Rear Bumper Screw W/seal

OE:25704358



25

716793
Headlamp Bezel & Grille Nuts
12mm W, 12mm L
8 X 9mm Hole
5mm Screw
Natural Nylon

OE: 94841764, 90189-05013, MS-480002



10

724955
Specialty Inserts W/sealer
Size: M6-1.0
Head Dia: 13mm
Hex Size: 9.5mm
Grip Range: .5 - 4.2mm

OE:11609292



25

718604
Body Nuts
5/16 Round Hole
No. 8 Screw
Side Marker, Headlamp &
Header Panel, Natural Nylon

OE:14013246



100

702559
License Plate Nuts
3/8 Or 9mm
1/4 (No. 14) Or 6mm Screw
Nylon 4-prong Push-in
W/ Square Head

OE: 3907444, 4755299



10

724958
Front Fender Panel Nuts
Screw Size: M6-1.0
Overall Hgt: 12mm

Zinc Organic

OE:11610544



10

724941
Specialty Nuts
Screw Size: M6 - 1.0
Head Size: 13mm X 13mm
Stem Length: 8mm
Zinc

OE:11562503



10

724942
Specialty Nuts
Screw Size: M4.2-1.41 (No. 8)
Center Console, Door, Front
Lights, Grille, Instrument Panel,
Lift Gate

OE:11610157



12

724943
Specialty Push In Nuts
Screw Size: M4.2-1.41 (No. 8)
Head Size: 6mm X 16mm
Overall Hgt: 7mm
Front Bumper Specialty Nut

OE:11609952

Illustrations are actual size unless otherwise noted.



6

724554
Fender Bracket Retaining Nuts
M4.2-1.41 Screw

OE:11518531



25

716822
Extruded "U" Nuts
8mm-1.25 Screw
14mm Depth
1 - 1.8mm Panel Range

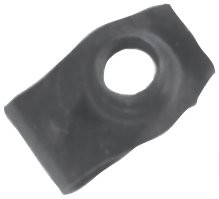
OE:20490398



25

717104
Extruded "U" Nuts
10-24 Thread Size
.025 - .125 Panel Range
15/32 Center Of Hole To Edge
Phosphate

OE:152273



50

717107
Extruded "U" Nuts
5/16-18 Thread Size
.025 - .150 Panel Range
5/8 Center Of Hole To Edge
Phosphate

OE:1494253,3786805



25

717274
Extruded "U" Nuts
10mm-1.50 Screw
1.0 - 6.00mm (.040 - .230) Panel
19mm (3/4) Center Of Hole To
Phosphate

OE: 11500662, 11503564,
22531616



25

717481
Extruded "U" Nuts
6.3mm-1.0 Screw
.80 - 4.00mm (.030 - .160) Panel
13.5mm (17/32) Center Of Hole
Phosphate

OE: 9433043, 11500658



12

717483
Extruded "U" Nuts
10mm-1.50 Screw
1.0 - 6.00mm (.040 - .230) Panel
19mm (3/4) Center Of Hole To
Phosphate

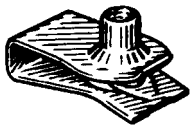
OE:11500662,11503564,
22531616



12

718261
Extruded "U" Nuts
6mm-1.0 Screw
.010 - .165 Panel Range
Non-locking

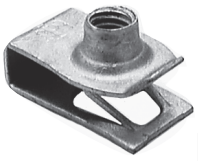
OE:11503957



25

720316
Extruded "U" Nuts
M5-.8 Screw
.80 - 4.00mm (.030 - .160) Panel
15.8mm (5/8) Center Of Hole To
Phosphate

OE:11500657



12

723204
Extruded "U" Nuts
M6-1.0 Screw
2.0 - 5.00mm (.079 - .197) Panel
14.5mm (9/16) Center Of Hole
Zinc Organic

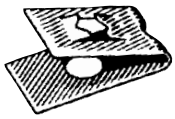
OE:11516372



12

724528
Extruded "U" Nuts
M4.2-1.41 (No. 8) Screw
.65 - 3.8mm (.025 - .150) Panel
9.5mm (3/8) Center Of Hole To Edge
Locking Thread

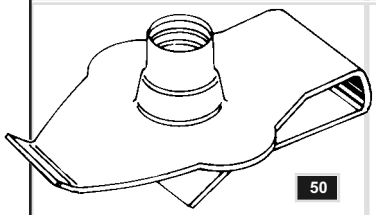
OE:11513599



25

716861
Bumper Impact Strip Fascia "U" Nuts
1/4 Stud

OE:10018611



50

718670
Sheet Metal Extruded "U" Nuts
6mm
0.8 - 1.6mm Panel Range
Fender & Front End

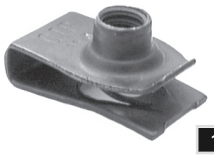
OE:14044215



50

720218
Wide Range "U" Nuts
8-18 Screw
.125 - .250 Panel Range
3/8 Center Of Hole To Edge
Phosphate

OE:9433156



12

720237
Wide Range Extruded "U" Nuts
1/4-20 Screw
.025 - .150 Panel Range
17/32 Center Of Hole To Edge
Phosphate

OE:1480627,1494252



12

724951
"U" Nuts
Panel Range: Up To 3.5mm
M5.5 (No. 12) Screw Size
8mm Center Of Hole To Edge
Blue Nylon

OE:9114472

GM

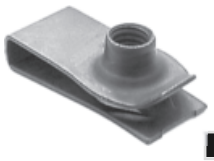
GM

Illustrations are actual size unless otherwise noted.



12

724952
"U" Nuts
Panel Range: Up To 2mm
M5.5 (No. 12) Screw Size
12mm Center Of Hole To Edge
Orange Nylon
OE:24449408



25

717262
Metric Extruded "U" Nuts
M6-1.0 Screw
.34 - 4.00mm (.015 - .160) Panel
19.5mm (25/32) Center Of Hole
Phosphate
OE: 11503715, 11508241, 11609385



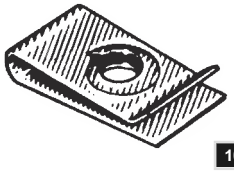
25

717266
Metric Extruded "U" Nuts
M6.3-1.0 Screw
.80 - 4.00mm (.030 - .160) Panel
13.5mm (17/32) Center Of Hole
Phosphate
OE:11502785,11503685, 11504035



100

511118
"U" Speed Nuts
No. 8 Screw Size
.025 - .040 Panel Range
1/4 Center Of Hole To Edge
Phosphate
OE:9428481



100

511120
"U" Speed Nuts
1/4-20 Screw Size
.064 - .125 Panel Range
9/16 Center Of Hole To Edge
Phosphate
OE:9431647



25

716819
"U" Speed Nuts
6.3mm Screw
14mm Depth
OE:11508248



25

716820
"U" Speed Nuts
4.2mm Screw
9mm Depth
OE:14015876



50

720216
"U" Speed Nuts
8-18 Screw
.025 - .150 Panel Range
OE:9431530



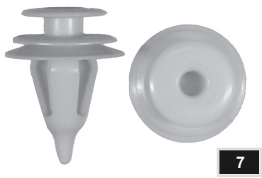
25

716303
Side Door Moulding Retainers
Bottom Head Dia: 3/8
Top Head Dia: 9/32
Stem Dia: 1/2
OE:20455900



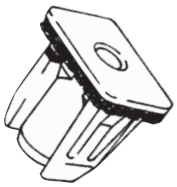
100

52616
Door Trim Panel & Headliner
Bottom Head Dia: 3/4
Top Head Dia: 11/16
Stem Dia: 5/16
Stem Length: 1/2
OE:2064891, 9818648, 9883583



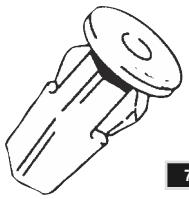
7

720776
Door Trim Panel & Lower
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 17mm
OE: 95008221, 67771-30090



6

724515
Tail Lamp Grommets W/sealer
Head Dia: 13 X 20mm
Overall Length: 19mm
Fits: 9 X 16mm Hole
Blue Nylon
OE:11561382,11610198



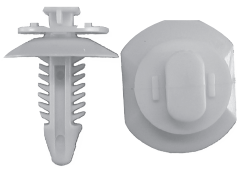
7

720630
Screw Grommets
16mm Flange
Fits: 9mm Square Hole
5.5mm Screw
Front & Rear Wheel Fender Liner
OE:94854203, 90189-06028



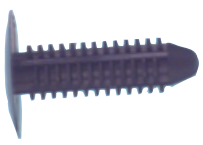
12

724930
Retainer Nuts
Overall Hgt: 7mm
13mm Hex
Grille Retainer Nut
Black Nylon
OE:11610748



25

716301
Side & Rear Door Trim
Bottom Head Dia: 3/4 X 7/8
Top Head Dia: 9/32 X 19/32
Stem Dia: 5/16
Stem Length: 3/4
OE:15588024,15596301



25

720371
Shield Retainers
Bottom Head Dia: 3/4
Top Head Dia: 5/16
Stem Dia: 1-1/16
Wiring Harn./hdliner/tailgate/air Cleanr
OE:15975244

Illustrations are actual size unless otherwise noted.



25

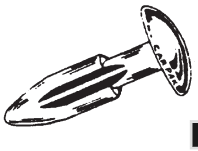
720372
Shield Retainers
Fits: 15/64 (6mm) Hole

OE:20709017



25

720376
Shield Retainers
Bottom Head Dia: 23/64
Top Head Dia: 3/16
Stem Dia: 7/16
Black Nylon
OE:10063599



25

718647
Drive Rivet Retainers
Fits: 5mm Hole
7mm Washer Face
Taillight Lens

OE:16500283



25

718654
Seat Back Retainers
Bottom Head Dia: 25/32
Top Head Dia: 5/16
Stem Dia: 15/16
Black Nylon
OE:20319841



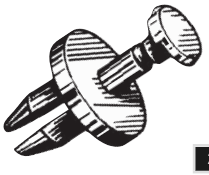
7

723317
Rocker Panel & Garnish
Head Dia: 20mm
Stem Dia: 8mm
Fits: 7mm Hole
Black Nylon
OE: 88970494, 88973676, 90467-07168



25

718734
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 15/16 (24mm)
Fits: 1/2 (12.7mm) Hole
Shoulder: 1/8(3.2mm)
OE:14101262



25

718739
Drive Type Rivet Retainers
Head Dia: 21/32 (16.7mm)
Stem Dia: 9/16 (14.3mm)
Fits: 5/16 (8mm) Hole
Rad Overflow/ Windshld Wash Bottle
OE:14019226,14071289



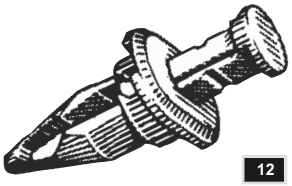
25

718744
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 1/2(12.7mm)
Fits: 1/8 (3.2mm)
Bumper Fascia
OE:22535007



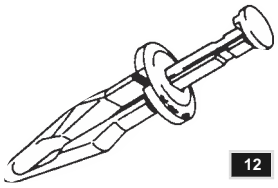
12

720333
Drive Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 23mm
Fits: 9.5mm (3/8) Hole
Front Bumper Fascia
OE:10157900,11517803, 15993201



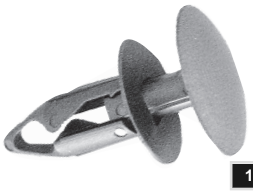
12

720335
Drive Type Rivet Retainers
14mm Stem Length
22mm Flange
Fits: 12.5mm Hole
Rear Bumper Fascia
OE:10082553



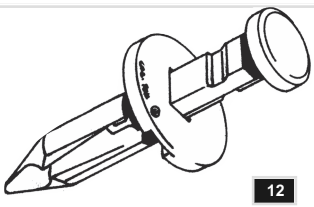
12

720585
Drive Type Rivet Retainers
Head Dia: 17/32 (13.5mm)
Stem Dia: 1-5/64 (27.5mm)
Fits:1/4 (6.4mm) Hole
Rear Door Radio Speaker
OE:15960621



12

720586
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 21mm
Fits: 9mm Hole
Rear Bumper Cover
OE:15153415



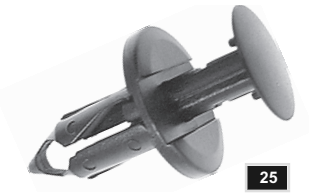
12

723308
Drive Type Rivet Retainers
Head Dia: 16.5mm
Stem Dia: 27mm
Fits: 8mm Hole
Bumper & Rear Wheel Apron
OE:15994165



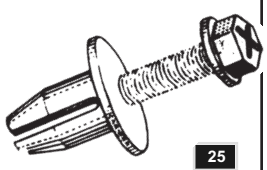
5

723368
Drive Type Retainers
Head Dia: 18mm
Stem Dia: 7.5mm
Fits: 7mm Hole
Front Fender Liner
OE:88970767,90467-10183



25

724133
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 20mm
Fits: 8mm Hole
Air Baffle To Under Carriage
OE:15969147,21030249, 6503598, N807389-S



25

718672
Screw Type Rivet Retainers
Head Dia: 43/64(17mm)
Stem Dia: 23/64 (18.3mm)
Fits: 5/16 (8mm) Hole
Front Compartment & Spare Tire
OE:20451119,63844-01A99

GM

GM

Illustrations are actual size unless otherwise noted.



718710
Screw Type Rivet Retainers
Head Dia: 9/16 (14mm)
Stem Dia: 5/8 (16mm)
Fits: 1/4 (6mm) Hole
Cowl Panel To Reinforcement
OE:94051993,66860-01W01



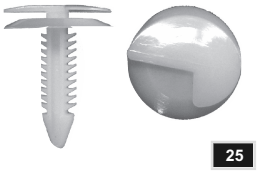
718720
Screw Type Rivet Retainers
Head Dia: 14mm
Stem Dia: 11mm
Fits: 7mm Hole
Black Nylon
OE:94198687,90467-06017-20, 90657-SA6-0030, N304-13-356-A



718721
Screw Type Rivet Retainers
Head Dia: 19/32 (15mm)
Stem Dia: 13/16 (20.6mm)
Fits: 5/16 (8mm) Hole
Black Nylon
OE:10053182



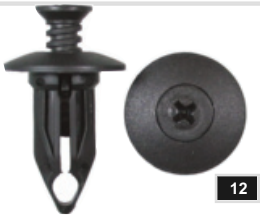
718725
Screw Type Rivet Retainers
21mm Washer Face
9-15mm Grip Range
Fits: 10mm Hole
Various Panel Attachments
OE:1633999



716317
Conduit To Sheet Metal
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 1-1/8
OE:20451401



718729
Front Bumper Fascia Rivet
Head Dia: 17mm
Stem Dia: 18mm
Fits: 9.5mm (3/8) Hole
Shoulder: 2mm
OE:1636632,20687704



720334
Rear Bumper Fascia Retainers
Head Dia: 27/32 (21mm)
Stem Dia: 1" (25mm)
Fits: 1/2 (12mm) Hole
Shoulder: 1/8(3mm)
OE:10140480,6502625



720580
Door Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 5mm Hole
Stem Dia: 9mm Hole
Natural Nylon
OE:10283414,10405030



721034
Front Air Deflector Retainers
30mm Flange, 24mm Stem
18 X 26mm Head
Black Nylon

OE:15733971



723358
Door Panel Retainers
4.5mm Trim Thk., 28.5mm O/L
19.5mm Up. Hd., 2.5mm Pnl Rng
Fits: 10mm Hole
Black Nylon
OE:11519030

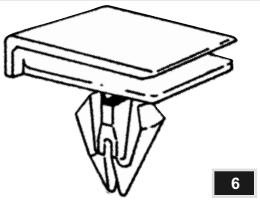


723364
Door Panel Retainers
3mm Trim Thk.
13mm Uppper Pin Head
24mm Flange
1mm P.r., 32mm Overall Length
OE: 10363811, 22699649, 22704458, 22713392, 22722859, 22722860

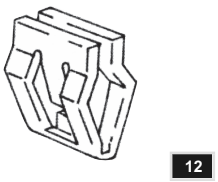


724188
Door Panel Retainers
25mm O/l; 18mm Head
1.5 - 11.5mm Panel Range
Fits: 7mm Hole

OE:11588863



724510
Rocker Moulding Retainers
Bottom Head Dia: 19/32 X 1-1/32
Top Head Dia: 3/4 X 1-1/32
Fits: 3/8 Hole
Stem Length: 9/16
OE:11589176



724513
Moulding Retainers
11mm Width; 14mm Length

Rear Bumper
OE:11561857



724877
Door Panel Retainers
Bottom Head Dia: 19.5mm
Top Head Dia: 24mm
Grommet Flange: 26mm
Stem Length: 12mm; Fits Into
OE:11571118



724878
Door Panel Retainers
Bottom Head Dia: 19.5mm
Top Head Dia: 24mm
Grommet Flange: 26mm
Stem Length: 12mm; Fits Into
OE:11571119

Illustrations are actual size unless otherwise noted.



724916
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 10mm
Stem Length: 14mm
OE:11561654



724918
Retainers
Bottom Head Dia: 17mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 14mm
OE:13252119



724919
Retainers
Bottom Head Dia: 17mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 13mm
OE:13252118



724920
Retainers
Top Head: 12mm
Bottom Head: 17mm X 34mm
Stem Length: 15mm
Rear Hatch Sill Plate Retainer
OE:11609483



724927
Retainers
Bottom Head Dia: 17mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 14mm
OE:11610605



724928
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 14mm
Stem Dia: 9mm
Stem Length: 10mm
OE:10369649



724935
Retainers W/ Sealer
Bottom Head Dia: 18.5mm
Top Head Dia: 19.5mm
Stem Dia: 11mm
Stem Length: 16mm
OE:15931605



724936
Retainers
Bottom Head Dia: 17mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 14mm
OE:11610606



724937
Retainers
Fits: 10 X 10.5mm Hole
Head Size: 18mm X 20mm
Stem Dia: 30mm
Overall Length: 32mm
OE:13365058



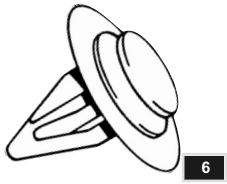
724954
Interior Trim Retainers
Bottom Head Dia: 20mm
Top Head Dia: 19mm
Stem Dia: 9mm
Stem Length: 19mm
OE:11562568



720807
Trim Brd Retainer Frnt & Rear Door
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:30006620, 95008221, 67771-12050



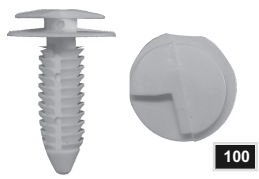
724111
Cowl Vent Retainers W/ Sealer
Bottom Head Dia: 16mm
Top Head Dia: 13mm
Stem Dia: 8mm
Stem Length: 13mm
OE:5482103



724514
Tailgate MIding Retainer W/ Sealer
Head Dia: 13mm
Overall Length: 20mm
Fits: 9mm
Flange: 25mm
OE:22691056



724950
Trim Panel Retainers W/ Sealer
Bottom Hd Dia: 12mm X 16mm
Top Head Dia: 15mm
Stem Dia: 5mm
Stem Length: 34mm
OE:10350983



716315
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 5/8
Stem Dia: 5/16
Stem Length: 1”
OE:363137



716316
Dash Panel Retainers
Bottom Head Dia: 7/16
Top Head Dia: 3/16
Stem Dia: 5/8
Black Nylon
OE:25016383

GM

Illustrations are actual size unless otherwise noted.



716322
Scrn Shroud Vent - Grille Retainer
Bottom Head Dia: 19/32
Top Head Dia: 7/32
Stem Dia: 3/4
Black Nylon
OE:20514862



716336
Door Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 21/32
Stem Dia: 5/16
Stem Length: 3/4
OE: 12337920, 20374473



716338
Door Trim Panel Retainers
Bottom Head Dia: 23/32
Top Head Dia: 5/16
Stem Dia: 5/8
White Nylon
OE:20429451



716339
Trim Panel Retainers
Bottom Head Dia: 1/2
Top Head Dia: 9/32
Stem Dia: 3/4
Black Nylon
OE:411700



716342
Rear Quarter Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 11/16
OE:20480475



716344
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 18mm
Stem Dia: 8mm
Stem Length: 13mm
OE:10287971



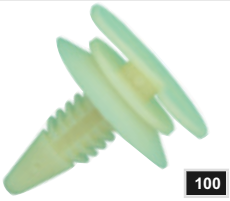
716351
Rear Hood Seal Retainers
Bottom Head Dia: 3/4
Top Head Dia: 5/16
Stem Dia: 1-3/8
Black Nylon
OE:14074081



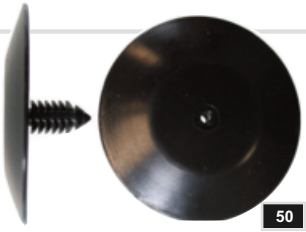
716352
Hood Seal Retainers
Bottom Head Dia: 19/32
Top Head Dia: 5/16
Stem Dia: 2”
Natural Nylon
OE:22527720



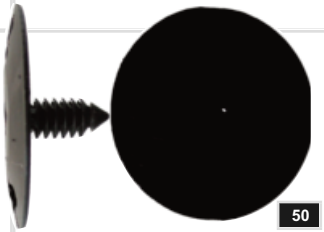
716356
Door Trim Panel Retainers
OE:20430421



717163
Door Trim Panel Retainers
Bottom Head Dia: 7/8
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 3/4
OE:3065575



717320
Hood Insulation Retainers
Bottom Head Dia: 2”
Top Head Dia: 5/16
Stem Dia: 3/4
Black Nylon
OE:3078511, 3977775



718615
Hood Insulation Retainers
Bottom Head Dia: 1-21/32
Top Head Dia: 5/16
Stem Dia: 3/4
Black Nylon
OE:20064875



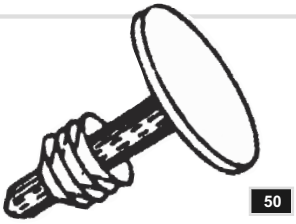
718616
Hood Insulation Retainers
Bottom Head Dia: 1-3/8
Top Head Dia: 5/16
Stem Dia: 15/16
Black Polypropylene
OE:20030401



718618
Radiator Apron Panel Retainers
Bottom Head Dia: 1”
Top Head Dia: 7/16
Stem Dia: 13/16
Black Nylon
OE:1619321

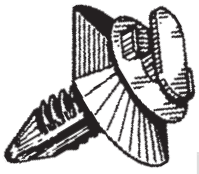


718627
Rubber Mat Fastener Retainer
Bottom Head Dia: 1”
Top Head Dia: 9/32
Stem Dia: 1-7/16
Black Nylon
OE:14027471



718656
Front Fender Flap Retainers
OE:1690410

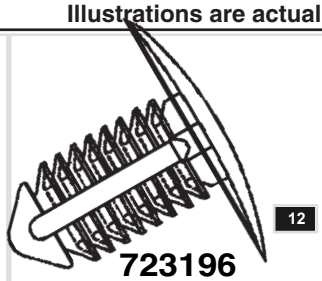
Illustrations are actual size unless otherwise noted.



718657
Door Trim Panel Retainers
Bottom Head Dia: 3/4 X 7/8
Top Head Dia: 9/32 X 19/32
Stem Dia: 5/16
Stem Length: 3/4
OE:10073833,15600382, 20421800



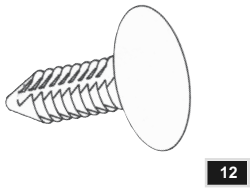
720632
Hood Insulation Retainers
Bottom Head Dia: 25mm
Top Head Dia: 9mm
Stem Dia: 10mm
Black Nylon
OE:88970747,94858509, 90467-09050



723196
Strut Mounting Retainers
Bottom Head Dia: 15/16
Top Head Dia: 3/8
Stem Dia: 3/4
Engine Compart. & Front End
OE:22189414



724153
Door Panel Retainers
Bottom Head Dia: 25/32
Top Head Dia: 11/16
Stem Dia: 5/16
Stem Length: 13/16
OE:10305191



724237
Fnder Apron - Rad. Baffle Retainer
Bottom Head Dia: 1”
Top Head Dia: 11/32
Stem Dia: 3/4
Black Nylon
OE:24501057



724915
Headliner Retainers
Bottom Head Dia: 25mm
Top Head Dia: 8mm
Stem Dia: 58mm
Opal Gray Nylon
OE:25822063



724917
Fender & Headliner Retainers
Bottom Head Dia: 25.4mm
Top Head Dia: 8mm
Stem Dia: 27mm
Black Nylon
OE:15802005



724921
Retainers
Bottom Head Dia: 28mm
Top Head Dia: 8mm
Stem Dia: 17mm
Black Nylon
OE:15989431



724922
Retainers
Bottom Head Dia: 30mm
Top Head Dia: 7.8mm
Stem Dia: 15mm
Black Nylon
OE:11571159



724926
Retainers
Bottom Head Dia: 25mm
Top Head Dia: 5.8mm
Stem Dia: 25.5mm
Black Nylon
OE:11610747



724929
Retainers
Bottom Head Dia: 33mm
Top Head Dia: 8mm
Stem Dia: 41mm
Light Gray Nylon
OE:89026634



724931
Hood Insulation Retainers
Bottom Head Dia: 45mm
Top Head Dia: 9.5mm
Stem Dia: 20mm
Tan Nylon
OE:25749564



724932
Headliner Retainers
Bottom Head Dia: 25mm
Top Head Dia: 8.5mm
Stem Dia: 37mm
Tan Nylon
OE:10444839



724933
Headliner Retainers
Bottom Head Dia: 25mm
Top Head Dia: 7.5mm
Stem Dia: 22mm
Tan Nylon
OE:15944588



724934
Retainers
Bottom Head Dia: 33mm
Top Head Dia: 8mm
Stem Dia: 41mm
Tan Nylon
OE:89026635



724949
Trim Panel Retainers
Bottom Head Dia: 19mm
Top Head Dia: 7mm
Stem Dia: 22mm
White Nylon
OE:11561499

GM

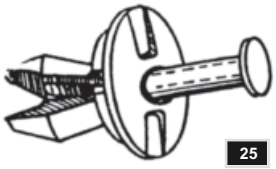
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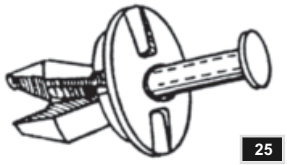
724953
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 16.5mm
Stem Dia: 10mm
Stem Length: 15mm
OE:11569700



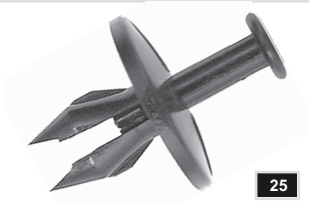
718644
Fascia Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 3/4 (19mm)
Fits: 1/2 (12.7mm) Hole
Shoulder: 1/8(3.2mm)
OE:5973400



718645
Push Pin Type Rivet Retainers
22mm Washer Face
Fits: 9.5mm Hole
Rear Bump. Energy Absorb. Strip
OE:5973823



718646
Fascia Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 7/8 (22mm)
Fits: 1/2 (12.7mm) Hole
Shoulder: 1/4(6.4mm)
OE:5973996



718662
Fascia Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 23/32 (18.3mm)
Fits: 3/8 (9.5mm) Hole
Black Nylon
OE:14045480



718740
Push Type Retainers
Head Dia: 21/32 (16.7mm)
Stem Dia: 19/32(15mm)
Fits: 5/16 (8mm) Hole
Black Nylon
OE:14039420



718742
Push Type Retainers
Head Dia: 19/32 X 3/4 (15 X
Stem Dia: 19/32(15mm)
Fits: 5/16 (8mm) Hole
Black Nylon
OE:14032200



718743
Push Type Retainers
8 X 27mm Head
Fits: 8mm Hole
Grille Attachment
OE:14015161,175-853-695A



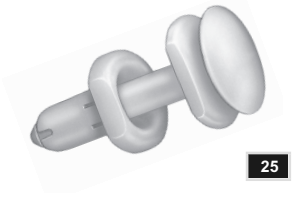
720025
Screw Type Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8(22mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:22538004



720550
Push Type Retainers
Head Dia: 18mm
Stem Dia: 23mm
Fits: 9mm Hole
Bumper Cover
OE:94853733,90467-09101



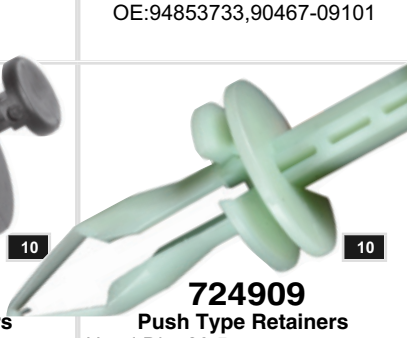
720917
Push Type Rivet Retainers
Head Dia: 19/32 (15mm)
Stem Dia: 3/4 (19mm)
Fits: 1/4 (6.4mm) Hole
Wheel Opening Moulding
OE:21077123



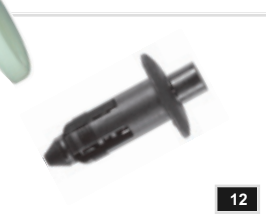
724129
Push Type Retainers
Head Dia: 9/16 (14.3mm)
Stem Dia: 41/64 (16.3mm)
Fits: 1/4 (6.4mm) Hole
Door Trim Panel
OE:15960325



724908
Push Type Retainers
Head Dia: 25mm
Stem Dia: 29mm
Fits: 7mm Hole
Black Nylon
OE:11561874, 622A2-9E000, 622A2-9E000A



724909
Push Type Retainers
Head Dia: 23.5mm
Stem Dia: 36mm
Fits: 10mm Hole
Natural Nylon
OE:10426555



724910
Push Type Retainers
Head Dia: 12mm
Stem Dia: 14mm
Fits: 6mm Hole
Black Nylon
OE:22690838



724911
Push Type Retainers
Head Dia: 18mm
Stem Dia: 22mm
Fits: 6.5mm Hole
Black Nylon
OE:95230842

Illustrations are actual size unless otherwise noted.



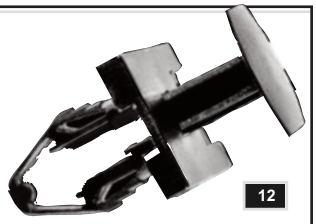
724912
Push Type Retainers
Head Dia: 18mm
Stem Dia: 20mm
Fits: 6.3mm Hole
Black Nylon
OE:11611110



724913
Push Type Retainers
6mm Stud Size
Fender, Quarter Panel & Grille
24mm OD
Zinc
OE:11588441



724914
Push Type Retainers
Head Dia: 26mm
Stem Dia: 12mm
Fits: 10mm Hole
Black Nylon
OE:22718369



724959
Push Type Retainers
Head Dia: 14mm X 21mm
Stem Dia: 16mm
Fits: 8mm Hole
Front & Rear Bumper Fascia
OE:92139147



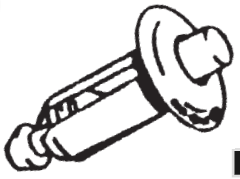
716343
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:95005064,67771-01010



720379
Weatherstrip Retainers
Bottom Head Dia: 7/16
Top Head Dia: 7/32
Stem Dia: 5/16
Black Nylon
OE:10169777



720677
Headlight Retaining Rivets
1/4 (m6.3) Rivet
19/32 Flange
13/32 Shoulder
Steel Body / Mandrel
OE:15022087



723013
Drive Type Rivets - Push To Release
Head Dia: 16mm
Stem Dia: 12mm
Fits: 7mm Hole
Liftgate Uppr Window & Lwr Garn. Moulding
OE:11517824,21035345



723031
Drive Type Rivets
Head Dia: 18mm
Stem Dia: 13mm
Fits: 7.5mm X 7.5mm Hole
Cowl Vent
OE:10301966,10425306



724109
Ergo-Tuflok Drive Rivets
Head Dia: 19mm
Stem Dia: 14mm
Fits: 8.5mm Hole
Fender Apron
OE:11609417



724116
Drive Type Rivets
Head Dia: 20mm
Stem Dia: 28mm
Fits: 8mm Hole
Bumper Fascia
OE:11519807,21095797



724138
Ergo-Tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 20mm
Fits: 6.5mm Hole
Air In. Grll, Bump Fascia & Fnt Brak Caliper Cool Duct
OE:11589290



724139
Ergo-Tuflok Drive Rivets
Head Dia: 20mm
Stem Dia: 22mm
Fits: 8.5mm Hole
Cowl Vent & Fender
OE:11589293,W712196-S300



724140
Ergo-Tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 20mm
Fits: 9.5mm Hole
Fender, Wheel & Bumper
OE:11561368,6508712AA



724205
Ergo-Tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 17.5mm
Fits: 6.5mm Hole
Air Dist. & Windshield Defroster
OE:11589289,6508863AA



724206
Ergo-Tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 22mm
Fits: 6.5mm Hole
Air Dam & Grille
OE:11589291,W713331-S300

GM

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Illustrations are actual size unless otherwise noted.



724207
Ergo-Tuflok Drive Rivets
Head Dia: 19mm
Stem Dia: 16mm
Fits: 8mm Hole
Fascia & General Purpose
OE:15296830,5116530AA



724208
Ergo-Tuflok Drive Rivets
Head Dia: 20mm
Stem Dia: 20mm
Fits: 8.5mm Hole
Bumper Fascia, Flares & Air Dam
OE:11589292



724209
Ergo-Tuflok Drive Rivets
Head Dia: 20mm
Stem Dia: 24mm
Fits: 8.5mm Hole
Bumper Fascia, Fender & Toe/floor Pnl
OE:11589294



724211
Ergo-Tuflok Drive Rivets
Head Dia: 25mm
Stem Dia: 23mm
Fits: 10.5mm Hole
Panel Attachment & General Purpose
OE:11589296



723019
Peel Type Rivets
1/4 (m6.3) Rivet
Grip Range: .188-.250
1/2 Flange
Window Regulator
OE:9437643



724012
Rear Bumper Blind Rivets
4mm (5/32) Rivet
Grip Range: 0.187 - 0.472 (5 - 12mm)
0.325 (8.25mm) Flange
Aluminum Body/mandrel
OE:12531204



724555
Nylon Rivets
Flange Dia: 21/32 (m16.5)
Dia: 1/4 (m6.3)
5/32 - 3/8 (4 - 10mm) Grip Range
Black
OE:15614746



724907
Rivets
Fits: 4.95mm
Panel Range: 3mm - 6mm
Blind
Black Nylon
OE:11588308



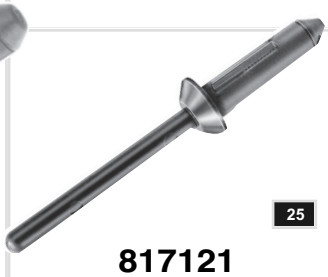
817112
Nylon Blind Rivets
17/64 (6.75mm) Hole Dia.
Grip Range: 3/32-3/16 (2.5-4.75mm)
1/2 (12.5mm) Head Dia.
Automotive OEM Approved
OE:15595172,20421672



817113
Nylon Blind Rivets
17/64 (6.75mm) Hole Dia.
Grip Range: 3/32-3/16 (2.5-4.75mm)
23/32 (18mm) Head Dia.
Automotive OEM Approved
OE:20433026,175-853-577A



817119
Nylon Blind Rivets
6.75mm Hole Dia.
Grip Range: 1.0 - 4.0mm Grip Range
20.5mm Head Dia.
Automotive OEM Approved
OE:10069112



817121
Nylon Blind Rivets
3/16 (4.75mm) Hole Dia.
Grip Range: 1/16-11/64 (1.5-4.5mm)
11/32 (9mm) Head Dia.
Automotive OEM Approved
OE:20612732



817123
Nylon Blind Rivets
15/64 (6mm) Hole Dia.
Grip Range: 11/64-11/32 (4.5-8.5mm)
1/2 (12.5mm) Head Dia.
Automotive OEM Approved
OE:25524005



817124
Nylon Blind Rivets
15/64 (6mm) Hole Dia.
Grip Range: 5/32-5/16 (4-8mm)
5/8 (16mm) Head Dia.
Automotive OEM Approved
OE:10036503



817129
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:15506827



817130
Nylon Blind Rivets
9/32 (7mm) Hole Dia.
Grip Range: 3/32-15/64 (2.5-6mm)
23/32 (18mm) Head Dia.
Automotive OEM Approved
OE:10109689,12337915

Illustrations are actual size unless otherwise noted.



527101
Special Rivets
Dia.: 1/4
Grip Range: 7/64 To 11/64
1/2 Flange Dia.
Body: Aluminum
OE:20713843



527105
Special Rivets
Dia.: 1/4
Grip Range: 5/64 To 5/16
1/2 Flange Dia.
Body: Aluminum
OE:10157547



527108
Special Rivets
Dia.: 3/16
Grip Range: 1/4 To 3/8
5/8 Flange Dia.
Body: Steel
OE:9439719



527110
Special Rivets
Dia.: 3/16
Grip Range: 5/64 To 15/64
3/8 Flange Dia.
Body: Aluminum
OE:10125439



527111
Special Rivets
Dia.: 1/8
Grip Range: 1/8 To 3/16
3/8 Flange Dia.
Body: Aluminum
OE:9432552



527112
Special Rivets
Dia.: 3/16
Grip Range: 1/8 To 3/16
3/8 Flange Dia.
Body: Steel
OE:9439576



527113
Special Rivets
Dia.: 3/16
Grip Range: 1/8 To 1/4
3/8 Flange Dia.
Body: Steel
OE:9440392



527114
Special Rivets
Dia.: 1/8
Grip Range: 1/8 To 3/16
5/16 Flange Dia.
Body: Aluminum
OE:20325696



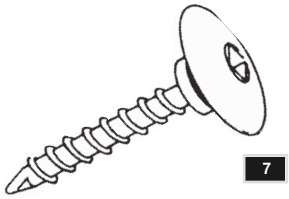
720667
Rivets
3/16 Rivet
3/8 Flange Dia.
Door Handle
1/16 - 7/64 Grip Range
OE:22585836,22641917



723202
Blind Peel Type Rivets
1/4 (m6.3) Rivet
Grip Range: .126-.250 (3.2-6.3mm)
1/2 (12.7mm) Flange
Door Window Regulator
OE:2024778



724013
Bumper Blind Rivets
3/16 (4.8mm) Rivet
Grip Range: .251 - .375 (6.4 - 9.5mm)
5/8 (15.9mm) Flange
Steel Body/ Mandrel
OE:9433186



720754
Square Drive Truss Head
7.5mm X 34.5mm
22mm Head
Attaches Foam To Bumper
Black Nylon
OE:25631448, 6503401, 6503819



717034
Truck Mirror Mounting Screws
1/4-20 X 1
Outside Mirror
5/8 Washer OD
3/8 Hex
OE:367291

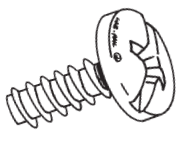


724870
Bumper Fascia Screws
Head Size: 22mm
M9.5 X 46mm Square Drive

Black Nylon
OE:25705182



702555
License Plate Screws W/ Nuts
No. 10 X 5/8
1/4 Square Hole
Slotted Washer Head
Nylon
OE:3783006



723028
License Plate Screws
1/4-14 X 5/8
Combo Phillips/ Slotted Pan Hd
Type B Point

OE:9423101

GM

Illustrations are actual size unless otherwise noted.



25

724146
License Plate Screws
6.3mm-1.81 X 20mm
Phillips/slotted Combo Truss Hd
W/ Type AB Point

OE:25732397



25

718932
Tapping Screws
4.2mm-1.41 X 20mm
20mm Washer
7mm A/F
Indented Hex Head W/ Type AB Point
OE:14090382



50

718959
Tapping Screws
4.2mm-1.41 X 15mm
12mm Washer
Phillips Pan Hd W/ Type B Point

OE:11503499



50

723355
Tapping Screws
6.3mm-1.81 X 25mm
10mm A/F
17mm Sems
Indented Hex Head W/ Type AB Point
OE:11500996,11505023



50

723356
Tapping Screws
6.3mm-1.81 X 20mm
10mm A/F
17mm Sems
Indented Hex Head W/ Type AB Point
OE:11505022



25

724600
Tapping Screws
4.2mm-1.41 X 20mm
11mm (7/16) Head
Phillips Washer Head
Black Phosphate
OE:11501884



12

724946
Tapping Screws
Head Size: 15mm
M5.5 X 20mm
Torx Truss Head T-20
Black Zinc
OE:13144822



50

718942
Thread Cutting Screws
4.2mm-1.41 X 13mm
9mm Flange
7mm A/F
Indented Hex Head W/ Type B Point
OE:11505045



200

717103
Trim Screws
8-18 X 1/2
Quarter Wheel House Moulding
5/16 Washer Head OD
Phillips Washer Head
OE:588546



50

716219
Trim Screws
8 X 1/2
13/32 Head Dia.
Phillips Round Washer Head
Black Phosphate
OE:20423550, 381801-S2,
390017-S2



716222
Trim Screws
8 X 1/2
11/32 Head Dia.
Phillips Round Washer Head
Chrome
OE:11503289, 388020-S47X



50

718813
Drill Point Moulding Screws
4.2-1.41 X 16mm
11mm Head Dia.
Phillips Metric Round Washer
Zinc & Black
OE:1746408



25

717450
Tapping Screws
4.2mm-1.41 X 20mm
16mm Washer
Indent. Hex Hd W/ Attached Washer
Phosphate
OE:11502449



25

717451
Tapping Screws
4.2mm-1.41 X 20mm
12mm Washer
7mm Hex
Indent. Hex Hd W/ Attached Washer
OE:11500434, 11503892,
1640810



50

716224
Trim Screws
8-18 X 1/2
No. 6 Phillips Flat Head
Phillips Flat Head W/ Sealer

OE:9428196



200

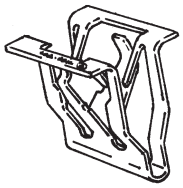
717182
Reveal Mlding To Panel Trim Screw
8 X 1/2
7/16 Washer Head
Phillips Washer Head W/ Teks Point
Zinc
OE:1689827

Illustrations are actual size unless otherwise noted.



1

720998
Door Roller Pin Assembly
5-1/16 Length
25/64 Diameter
3/4 Roller OD
5/8 Roller Groove Diameter
OE:15672183



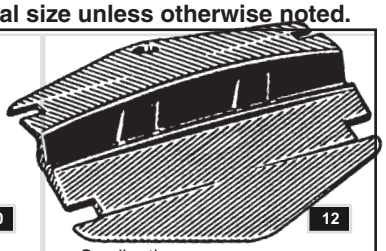
12

723029
Garnish Moulding Fasteners
1/2 X 1/2 X 5/8
Scuff Plate Retainer
Interior Door Opening Trim
Zinc & Yellow
OE:15748479



10

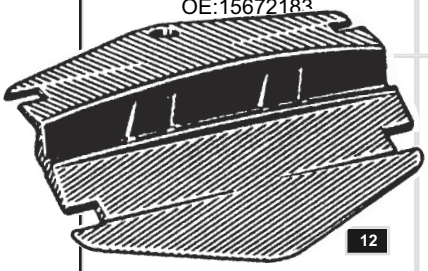
724879
Fasteners
3/16 Width
Overall Length: 15/16
Door, Interior Trim
Instrument Panel
OE:15683327



12

Smaller than Actual Size

716101
Window Guides
Front Door
OE:10051034,10114597,12338011,20123070,20328600



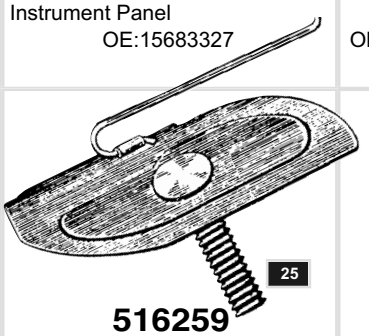
12

716119
Window Guides W/gaskets
Front Door
OE:10051034,10114597,12338011, 20123070, 20328600



6

724232
Windshield Garnish, Interior Trim Panel
Bezels & Scuff Plate Clips
OE:11588650



25

516259
T-bolt Clips
10-24 X 3/4 Bolt
5/8 X 1-7/8 Plate
Gm & Chrysler
OE:3744999,1758099,6000720, 6010046



25

717166
Door Hinge Bushings
5/16 ID
13/32 OD
9/32 Height
OE:9721917,D1AZ-6522841A



50

718899
License Plate Nuts
No. 6 Or 8 Screw
Headlight Bezel
Natural Nylon
OE: 380382, 4000141



25

718423
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Splash Shield & Fascia
OE: 14093088, N802781-S



25

718679
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:20510029,34202672, N803362-S



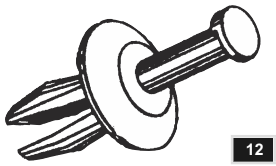
25

718728
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 5/8 (16mm)
Fits: 1/4 (6.4mm) Hole
Cowl Ldge, Wtherstrip & Fnder Liner
OE: 472434, 480534, 387843-S, 6031390



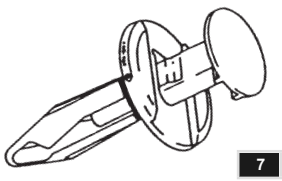
25

718733
Drive Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 23mm
Fits: 6mm Hole
Fascia
OE:15681408,N803709-S



12

723025
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits:1/4 (6.4mm)
Frnt Fender Mud Skirt & Fender Liner
OE: E3DZ-14A163A, 14019205, 14019206,16514113, 34201621, 6504090, 8934-201-621



7

723309
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 26mm
Fits:8mm Hole
Bumper Cover & Fender Shield
OE:11518017,W708530-S300



25

724210
Ergo-tuflok Drive Rivets
Head Dia: 25mm
Stem Dia: 20mm
Fits: 10.5mm Hole
Fnder, Flare, Gas Tank & Panel Attach.
OE:11589295,5GUU9K11BA, W712665-S300

GM

Illustrations are actual size unless otherwise noted.



718718
Screw Type Rivet Retainers
Head Dia:15/32 X 15/32 (12 X 12mm)
Stem Dia: 21/32 (16.7mm)
Fits:1/4 X 1/4 (6.4mm X 6.4mm)
Fascia, Trim & Grille
OE:15679091,N803494-S



720669
Screw Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 11/16 (17.5mm)
Fits:1/4 (6.4mm) Hole
Black Nylon
OE:10139822, 25680782, N808147-S



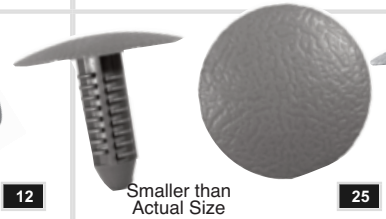
716329
Hood Seal Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7.5mm
Stem Dia: 11mm
Black Nylon
OE:94842841, 94849113, 90467-08004, 90467-08011



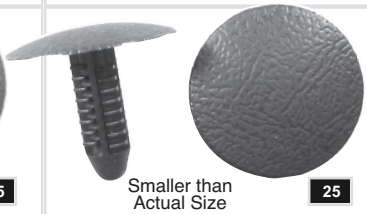
723212
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:20003056, 6505759AA



723231
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:20003056, 6505759AA



716305
Trim Panel & Hood Insulation
Bottom Head Dia: 25mm
Top Head Dia: 8mm
Stem Dia: 20mm
Gray Nylon
OE:22718305, N802734-S



716306
Trim Panel & Hood Insulation
Bottom Head Dia: 25mm
Top Head Dia: 8mm
Stem Dia: 20mm
Black Nylon
OE:22718305, N802734-S



716309
Bumper Fascia Retainers
Bottom Head Dia: 22mm
Top Head Dia: 11mm
Stem Dia: 28mm
Black Nylon
OE:1631564, N804379S



716319
Shield Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 5/8
Fender & Bumper
OE:14093311,20732399,332364, 3691590,389358,4004569,6031321



716323
Front End Stone Shield
Bottom Head Dia: 7/8
Top Head Dia: 7/16
Stem Dia: 13/16
Black Nylon
OE: 22512276, 6503221



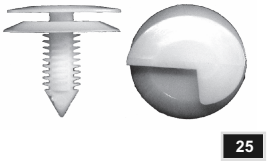
716333
Retainers
Bottom Head Dia: 3/4
Top Head Dia: 9/32
Stem Dia: 1/2
Black Nylon
OE: 20032850, 3861577, 387258-S



716337
Door Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 1/2
Stem Dia: 5/16
Stem Length: 5/8
OE:21042958,N-802900



717130
Shield Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 13/16
Radiator Yoke, Fender & Bumper
OE: 15958694,1605396, 388577-S, 6030441, 6036007AA, 6502078 W705589-S300



718230
Door Trim Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 11/16
OE: 9685057, 385661-S, 4005470, 6003349, 6032363, N98905101



720377
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 11/32
Stem Dia: 7/8
Sliding Door & Lift Gate
OE: 21094146, 6501301



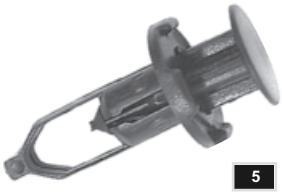
723024
Bumper Fascia Retainers
Bottom Head Dia: 25mm
Top Head Dia: 13mm
Stem Dia: 15mm
Black Nylon
OE:15056810, 6505686AA

Illustrations are actual size unless otherwise noted.



25

718730
Push Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits:1/4 (6.4mm) Hole
Front Fender Mud Skirt & Fender Liner
OE: 14019205, 14019206, 16514113, 34201621, 6504090, 8934-201-621, E3DZ-14A163A



5

720782
Push Type Retainers
Head Dia: 18mm
Stem Dia: 28mm
Fits:9mm Hole
Rear Bumper Cover
OE:94858560,52161-02020, 52161-16010



12

724603
Push Type Retainers
Head Dia: 15mm
Stem Dia: 20mm
Fits:8mm Hole
Rocker Panel, Whl Liner & Air Inlet Duct
OE: 11561878, 21075686, F3LY-14570-B



25

716424
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 6mm
Stem Dia: 12mm
Black Nylon
OE:20699808, 6502328



25

717212
Weatherstrip Retainers
Bottom Head Dia: 3/16 X 1/2
Top Head Dia: 3/16
Stem Dia: 7/16
Black Nylon
OE:4876498



25

724606
Weatherstrip Retainers
Bottom Head Dia: 1/4 X 21/32
Top Head Dia: 1/4
Stem Dia: 15/32
White Nylon
OE:21077575, 4696129



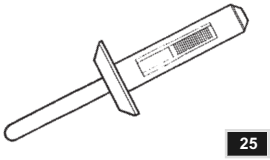
12

723182
Blind Rivets
4mm (5/32) Rivet
Grip Range: 1.0-7.5mm (.040-2.75)
8mm (5/16) Flange
Aluminum Body/mandrel
OE:10131511,6034212, N807620-S100



25

817105
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/16-11/64 (1.5-4.5mm)
15/32 (12mm) Head Dia.
Automotive OEM Approved
OE:20423647,N804189-S



25

817106
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/8-15/64 (3-6mm)
15/32 (12mm) Head Dia.
Automotive OEM Approved
OE:20432975,175-853-577, 6500899



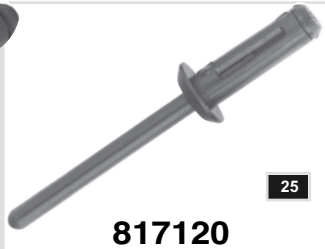
25

817110
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:14063981,6500911, 8934-201-631, N803043-S



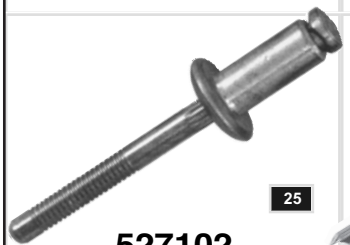
25

817111
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
1/2 (12.5mm) Head Dia.
Automotive OEM Approved
OE:20452072,6501559, N803862-S



25

817120
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/8-5/32 (3-4mm)
11/32 (9mm) Head Dia.
Automotive OEM Approved
OE:20465395,6004212



25

527102
Special Rivets
Dia.: 1/4
Grip Range: 9/64 To 3/16
1/2 Flange Dia.
Body: Aluminum
OE:9437486,6032926



50

527109
Special Rivets
Dia.: 3/16
Grip Range: 5/64 To 15/64
7/16 Flange Dia.
Body: Aluminum
OE:25618730, N805592-S100



25

527117
Special Rivets
Dia.: 5/32
Grip Range: 1/8 To 3/16
5/16 Flange Dia.
Body: Aluminum
OE:9432137,6032138



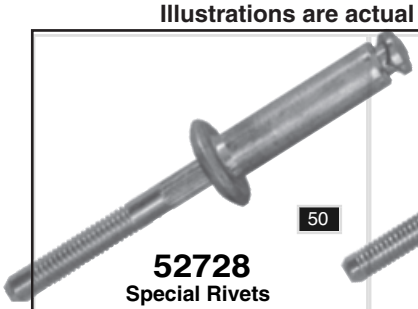
50

52727
Special Rivets
1/4 Dia.
Grip Range: 1/32 To 9/64
Window Regulator, Glass
1/2 Flange Dia.
OE:9436175,004005791, 385189-S100, 6031115

GM

GM

Illustrations are actual size unless otherwise noted.



52728
Special Rivets
1/4 Dia.
Grip Range: 33/64 To 19/32
Window Regulator, Glass
1/2 Flange Dia.
OE:9437938, 385323-S100, 6031091



52729
Special Rivets
1/4 Dia.
Grip Range: 11/64 To 3/4
Window Regulator, Glass
1/2 Flange Dia.
OE:12338153, 20184399, 389268-S100



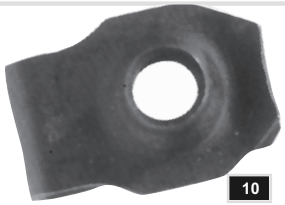
52791
Special Rivets
1/4 Dia.
Grip Range: 3/32 To 1/8
Window Regulator, Glass
1/2 Flange Dia.
OE:14078435, 388047-S100



717106
Extruded “U” Nuts
1/4-20 Thread Size
.025 - .150 Panel Range
25/32 Center Of Hole To Edge
Phosphate
OE:1494257,45267



717108
Extruded “U” Nuts
5/16-18 Thread Size
.025 - .150 Panel Range
7/8 Center Of Hole To Edge
Phosphate
OE: 10008002, 1494258, 45268-S2



717109
Extruded “U” Nuts
3/8-16 Thread Size
.050 - .200 Panel Range
3/4 Center Of Hole To Edge
Phosphate
OE:12337873, 1494254, 45265-S2



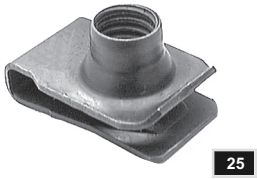
717482
Extruded “U” Nuts
8mm-1.25 Screw
.80 - 4.50mm(.030-.170) Panel Range
20mm(13/16) Center Of Hole To Edge
Phosphate
OE: 11500661, 11503317, 11516150, N623343-S2, N623343-S100



724602
Extruded “U” Nuts
M6-1.0 Screw
.80-4.00mm(.030 -.160) Panel Range
13.5mm(17/32)Cnter Of Hole To Edge
Phosphate
OE:1016937,11503957, N623332-S2, N623332-S53, N623332-S100



720217
Wide Range “U” Nuts
8-18 Screw
.025 - .150 Panel Range
5/8 Center Of Hole To Edge
Phosphate
OE: 11504531, 9433155, 381863-S2



717271
Metric Extruded “U” Nuts
M8-1.25 Screw
.80-4.00mm (.030 -.160) Panel Range
14.5mm (9/16) Hole Center To Edge
Phosphate
OE: 11500660,11502617, 6101283, N623333-S2

HYUNDAI

Illustrations are actual size unless otherwise noted.



12

725011
Moulding Clips W/ Sealer
Top Head: 12mm X 16mm
Bottom Head: 16mm
Stem Dia: 9.5mm
Stem Length: 10mm
OE:87703-H1000



12

725012
Moulding Clips W/ Sealer
Top Head: 10mm X 12mm
Bottom Head: 14mm X 20mm
Stem Dia: 14mm
Stem Length: 10mm
OE:87756-1F000



12

725013
Moulding Clips W/ Sealer
Top Head: 10mm X 12mm
Bottom Head: 13mm X 15mm
Stem Length: 11mm
Front Hood
OE:86360-3L000



12

725014
Moulding Clips W/ Sealer
Fits: 9mm Hole
Top Head: 16mm X 20mm
Bottom Head: 15mm
Rocker Moulding
OE:87756-37000



12

725015
Moulding Clips W/ Sealer
Top Head: 10mm X 12mm
Bottom Head: 13mm X 15mm
Stem Length: 11mm
Front Hood
OE:87758-39000



12

725016
Moulding Clips W/ Sealer
Top Head: 12mm X 15mm
Bottom Head: 14mm X 36mm
Stem Dia: 14mm
Stem Length: 10mm
OE:87770-27000



10

725017
Moulding Clips W/ Sealer
Top Head: 10mm X 12mm
Bottom Head: 14mm X 18mm
Stem Length: 10mm
White Nylon
OE:87758-35010



10

725018
Moulding Clips W/ Sealer
Top Head: 11mm X 15.5mm
Bottom Head: 16mm
Stem Length: 12mm
Rocker Moulding
OE:87702-H1000



10

725019
Moulding Clips W/ Sealer
Top Head: 16mm X 18mm
Bottom Head: 18mm X 20mm
Stem Length: 15mm
Blue Nylon
OE:87758-3L000



10

725020
Moulding Grommets
Head Size: 17mm X 25mm
Stem Length: 16mm
M4.2 (No. 8) Screw Size
Yellow Nylon
OE:87759-27000



25

725021
Moulding Retainers W/ Sealer
Screw Size: M3.5 (No. 6)
Head Size: 13mm X 13mm
Stem Dia: 12mm
Stem Length: 10mm
OE:87756-26900



10

725038
Screw Grommets
Head Size: 18mm
Stem Length: 21mm
M4.8 (No. 10) Screw Size
Natural Nylon
OE:86910-21010



12

725039
Screw Grommets W/ Sealer
Screw Size: M4.8 (No. 10)
Top Head: 14mm X 18mm
Bottom Head: 18mm
Stem Length: 18mm
OE:86625-3S000



10

725024
Nylon Nuts
Head Size: 13mm X 13mm
Stem Length: 10mm
M4.2 (No. 8) Screw Size
White Nylon
OE: 87714-FD200, 87756-1C000



12

725023
Nylon "U" Nuts
Panel Range: Up To 1.5mm
M6 (No. 14) Screw Size
8mm Center Of Hole To Edge
Black Nylon
OE:86825-28000



25

725036
Retainers
Overall Length: 21mm
Trim Panel & Dash Console Clip

White Nylon
OE:84747-2L000

HYUNDAI

Illustrations are actual size unless otherwise noted.



25

725022
Moulding Retainers
Screw Size: M3.5 (No. 6)
Head Size: 13mm X 13mm
Stem Dia: 13.5mm
Stem Length: 8mm
OE:87756-34520



12

725028
Retainers
Bottom Head Dia: 16mm
Top Head Dia: 13mm
Stem Dia: 10mm
Stem Length: 12mm
OE:85849-3B000



12

725030
Retainers W/ Sealer
Top Head: 15mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 10.5mm
OE:87378-3N000



25

725031
Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 9mm
OE:82315-22000



12

725032
Retainers W/ Sealer
Top Head: 13mm
Middle Head: 15mm
Bottom Head: 18.5mm
Stem Dia: 10.3mm
OE:82315-36000



25

725033
Retainers
Top Head: 14mm
Middle Head: 15mm
Bottom Head: 16mm
Stem Dia: 10.3mm
OE: 85495-2E050



25

725034
Retainers
Top Head: 13mm
Middle Head: 15mm
Bottom Head: 18mm
Stem Dia: 11mm
OE:82315-2P000



25

725035
Retainers
Top Head: 15mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 10.7mm
OE:82315-33020



25

725037
Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 15mm
Stem Dia: 9.6mm
OE:85506-4A000



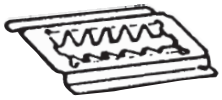
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725027
Retainers
Bottom Head Dia: 5mm X 13mm
Top Head Dia: 8mm
Stem Dia: 11mm
Black Nylon
OE:86438-4A100



25

725029
Retainers
Bottom Head Dia: 6mm X 16mm
Top Head Dia: 8mm
Stem Dia: 14mm
Black Nylon
OE:86434-4A000



12

724197
Bumper / Grille Mounting Retainers
13.1 X 29.7mm
OE:86593-24000



10

725025
Push Type Retainers
Head Dia: 15mm
Stem Dia: 10mm
Fits: 7mm Hole
Black Nylon
OE:86155-2H100



12

725026
Push Type Retainers
Head Dia: 10mm
Stem Dia: 13mm
Fits: 5mm Hole
Black Nylon
OE:86157-37000



10

725040
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 10mm
Stem Length: 12mm
OE:82315-27000

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.



12

725143
Weatherstrip Clips
Top Head: 5mm X 14mm
Bottom Head: 8mm
Stem Dia: 6.3mm
Stem Length: 5mm
OE:67867-50020



12

725491
Weatherstrip Clips
Bottom Head Dia: 9mm
Top Head Dia: 5mm X 15mm
Stem Dia: 6.5mm
Stem Length: 4mm
OE:90467-04034



12

725492
Weatherstrip Clips
Head Size: 14mm
Stem Dia: 9mm
Stem Length: 11mm
Hood
OE:90467-08045,90467-08063



12

725126
Grille Clips
Top Head: 10mm X 10mm
Bottom Head: 15mm
Stem Dia: 10mm
Stem Length: 10mm
OE:90467-10190



5

720786
Fender Apron Seal Clips
Bottom Head Dia: 17mm
Top Head Dia: 7mm
Stem Dia: 12mm
Black Nylon
OE:90467-10107



10

725121
Bumper Cover Clips
35mm Width
Overall Length: 25mm

Black Nylon
OE:53879-50020



12

725125
Fender Panel Moulding Clips
Head Size: 4.5mm X 11mm
Stem Dia: 6.5mm
Stem Length: 9mm
Black Nylon
OE:90467-07137



10

725489
Spring Locking Clips
16mm Width
Locking Fastener
Front & Rear Spoiler
Dacromet
OE:76879-44010



12

725127
Moulding Clips
Head Size: 10mm X 20mm
Stem Length: 24mm
Overall Length: 27mm
Front & Rear Spoiler
OE:75392-35220



10

725128
Moulding Clips
Head Size: 18mm
Overall Length: 24.5mm

Black Nylon
OE:75393-60030



5

725129
Moulding Clips
Overall Length: 55mm
15mm Width

Blue Nylon
OE:75545-53011



12

725130
Moulding Clips W/ Sealer
Top Head: 11mm X 13mm
Bottom Head: 25mm X 25mm
Stem Length: 14mm
Red Nylon
OE:90467-12072



10

725131
Moulding Clips W/ Sealer
Screw Size: M5.5 (no. 12)
Head Size: 22mm X 18mm
Overall Length: 24mm
Front Bumper
OE:52197-30040



12

725132
Moulding Clips
Top Head: 10mm X 23mm
Bottom Head: 18mm
Stem Length: 10mm
White Nylon
OE:90467-12074



12

725133
Moulding Clips
Top Head: 12mm
Bottom Head: 18mm X 26mm
Stem Length: 10mm
White Nylon
OE:90467-12071



12

725443
Moulding Clips
Top Head: 8mm X 8mm
Bottom Head: 15mm
Stem Dia: 10mm
Stem Length: 14mm
OE:75819-33010

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.


5

725444
Moulding Clips
Head Size: 43mm X 54mm
Overall Hgt: 26mm
Rocker Panel
Black Nylon
OE:76924-47010


12

725445
Moulding Clips
Overall Hgt: 12.4mm (1/2)
Door & Garnish

White Nylon
OE:67771-58010


12

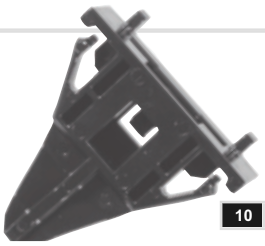
725446
Moulding Clips
Top Head: 5mm X 10mm
Bottom Head: 18mm
Stem Dia: 10mm
Stem Length: 13mm
OE:75395-0T010


12

725447
Moulding Clips
Fits: 9mm Square Hole
Head Size: 17mm
Stem Length: 8.5mm
Hood & Front/rear Side
OE:90467-11099


10

725448
Moulding Clips
Top Head: 13mm X 13mm
Stem Length: 22mm
Overall Length: 25mm
White Nylon
OE:52535-0E030


10

725449
Moulding Clips
Top Head: 9mm X 31mm
Overall Hgt: 30mm
Fnt Fnder, Sht Metal, Upper Seal
Black Nylon
OE:61991-35010


10

725450
Moulding Clips
Top Head: 13mm X 31mm
Overall Hgt: 34mm
Fnt Fnder, Sht Metal, Upper Seal
Black Nylon
OE:61992-35010


12

725451
Moulding Clips
Overall Hgt: 21mm
Door, Rear Deck & Roof Garnish
Instrument Panel
Pink Nylon
OE:90467-12080


10

725452
Moulding Clips W/ Sealer
Top Head: 13mm
Bottom Head: 20mm
Stem Length: 10mm
Rear Light Housing Guide
OE:81496-21010


12

725453
Moulding Clips
Overall Hgt: 14mm
Rear Hatch Door Side Garnish
Front Body Pillar Garnish
White Nylon
OE:90467-09204


10

725454
Moulding Clips
Fits: 10 X 10mm
Head Size: 23mm X 28mm
Stem Length: 14mm
Rocker
OE:90467-12073


10

725455
Moulding Clips W/ Sealer
Head Size: 24mm
Overall Length: 24mm
Rear Door, Hatch Garnish
Luggage Compartment
OE:76817-12060


10

725456
Moulding Clips W/ Sealer
Fits: 8mm Hole
Head Size: 18mm
Stem Length: 13mm
White Nylon
OE:75867-AC020


10

725457
Moulding Clips
Fits: 10 X 10mm Hole
Top Head: 11mm X 13mm
Bottom Head: 15mm X 25mm
Stem Length: 14mm
OE:90467-12075


10

725441
Door Lock Rod Clips
Fits: 8mm Hole
Overall Hgt: 20mm
5mm Rod Size
Natural Nylon
OE:69293-30030


10

725144
Windshield Clips
15mm Width
Overall Length: 55mm

Blue Nylon
OE:75545-53010,75545-53011

TOYOTA/ LEXUS

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.


10

720938
Cowl Screw Grommets
Fits: 10 X 15mm Hole
4.8mm (No. 10) Screw

Blue Nylon
OE:55799-12010


10

720985
Fender Lining Screw Grommet
15mm Stem
18mm Head Dia.
Fits: 9mm Square Hole
5.5mm Screw
OE:90189-06104


10

720986
Fender Lining Screw Grommet
22mm Stem
20mm Head Dia.
Fits: 8 X 8mm Hole
5.5mm Screw
OE:90189-06157


10

720987
Fender Lining Screw Grommet
18mm Stem
16mm Head Dia.
5.5mm Screw
Black Nylon
OE:90189-06214


10

716845
Screw Grommets
21mm Stem
18mm Head Dia.
Fits: 8.5mm Square Hole
6.3-1.81mm Screw
OE:90189-06003


10

716846
Screw Grommets
17mm Stem
20mm Head Dia.
Fits: 8mm Hole
6.3-1.81mm Screw
OE:90189-06013,
90189-06065, 96706-W1000


10

716867
Screw Grommets
15mm Stem
Fits: 7mm Square Hole
10mm W, 10mm L
3mm Screw
OE:90189-04007


12

725139
Screw Grommets
Head Size: 17.5mm X 30mm
Stem Length: 10mm
M5.5 (No. 12) Screw Size
White Nylon
OE:52535-30150


12

725140
Screw Grommets
Fits: 7mm X 7mm Hole
Screw Size: M2.9 (No. 4)
Head Size: 9mm X 9mm
Stem Length: 14mm
OE:90189-04207


10

725482
Screw Grommets
Fits: 9mm X 9mm Hole
Screw Size: M5.5 (No. 12)
Head Size: 20mm
Stem Dia: 22mm
OE:90189-06177


12

725483
Screw Grommets
Fits: 9mm X 9mm Hole
Screw Size: M5.5 (No. 12)
Head Size: 20mm
Stem Length: 17mm
OE:90189-A0002


10

725484
Screw Grommets
Fits: 9mm X 9mm Hole
Screw Size: M5.5 (No. 12)
Head Size: 16mm
Stem Length: 16mm
OE:90189-06145


12

725485
Screw Grommets W/ Sealer
Fits: 7mm Square Hole
Screw Size: M3.2 (No. 6)
Head Size: 10mm X 10mm
Stem Length: 15mm
OE:90189-04102


12

725459
Nylon Nuts
Fits: 7 X 7mm Hole
Screw Size: M3.5 (No. 6)
Head Size: 10mm X 10mm
Stem Length: 7mm
OE: 81137-22530, 81150-1A750,
90075-10004


12

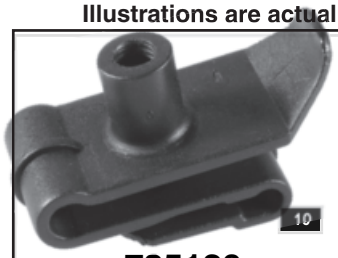
725460
Nylon Nuts
Fits: 9mm Square Hole
Screw Size: M5.5 (No. 12)
Head Size: 17mm
Stem Length: 10mm
OE:90189-06211


10

725486
Specialty Nylon Nuts
Flange: 22mm
Overall Hgt: 10mm
6mm Stud Size
Cowl Vent & Fender Apron
OE:65613-07010

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.



725120
"U" Nuts
Screw Size: M6.3 (No. 14)
Panel Range: Up To 3mm
14mm Hole Center To Edge
Black Nylon
OE:90467-05138



725134
"U" Nuts
Panel Range: Up To 2mm
M4.8 (No. 10) Screw Size
10mm Center Of Hole To Edge
Bumper & Fender Apron
OE:53879-17020



725461
Nylon "U" Nuts
Screw Size: M6 (No. 14)
Panel Range: Up To 2mm
12mm Center Of Hole To Edge
Left/right Front Bumper
OE: 90467-05081, 90467-A0018



725462
Nylon "U" Nuts
Screw Size: M6 (No. 14)
Panel Range: Up To 2mm
12mm Center Of Hole To Edge
Rear Bumper
OE:90467-05128



725463
Nylon "U" Nuts
Screw Size: M5.5 (No. 12)
Panel Range: Up To 2mm
11mm Center Of Hole To Edge
Front Fender Liner
OE:53879-20020



725464
Nylon "U" Nuts
Screw Size: M4.8 (No. 10)
Panel Range: Up To 2mm
7mm Center Of Hole To Edge
Front Fender Liner & Mudguard
OE: 76647-42010



725490
Weatherstrip Clips
Bottom Head Dia: 12mm
Top Head Dia: 9mm
Stem Dia: 7mm
Stem Length: 13mm
OE:67869-12050



725481
Hood To Cowl Top Seal
Bottom Head Dia: 7mm X 13mm
Top Head Dia: 7.5mm
Stem Dia: 13mm
Black Nylon
OE:90467-08101



725458
Moulding Retainers
Head Size: 13 X 26mm
Stem Length: 25mm
Front & Rear Bumper
White Nylon
OE:76853-10010



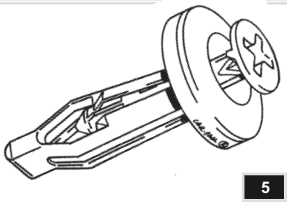
725442
Retainer Fenders
Fits: 10 X 16mm Hole
Overall Hgt: 18mm
Front Fender
Dark & Light Gray Nylon
OE:53867-47020



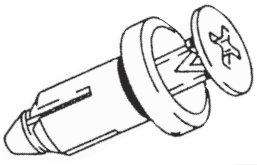
718736
Drive Type Rivet Retainers
15mm Washer Face
Fits: 7mm Hole
Trim Attachments
OE:10116-41810



720627
Drive Type Retainers
Head Dia: 17mm
Stem Dia: 9mm
Fits: 7mm Hole
Black Nylon
OE:90467-07117



720794
Drive Type Rivet Retainers
Head Dia: 19mm
Stem Dia: 26mm
Fits: 9mm Hole
Black Nylon
OE:90467-09143



720795
Drive Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 12mm
Fits: 9mm Hole
Bumper Cover
OE:90467-09145



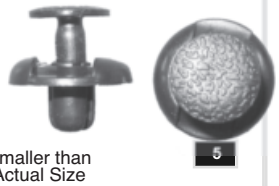
723119
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 10mm
Fits: 7mm Hole
Fender Splash Shield
OE:90467-07164



723191
Drive Type Rivet Retainers
8.5mm Stem Length
20mm Flange
5mm Panel Range
Fits: 7mm Hole
OE:90467-07195

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.



Smaller than Actual Size

724203
Drive Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 7mm
Fits: 7mm Hole
Fender Liner
OE:53879-60010



724451
Drive Type Rivet Retainers
31mm Stem Length
18mm Flange
3.5-10mm Panel Range
Fits: 9mm Hole
OE:52161-20010



724461
Drive Type Rivet Retainers
10mm Stem Length
20mm Flange
2.2-6.5mm Panel Range
7mm Hole
OE:90467-07201



720629
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 26mm
Fits: 9mm Hole
Bumper Cover
OE:90467-09127



716329
Hood Seal Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7.5mm
Stem Dia: 11mm
Black Nylon
OE: 90467-08004, 90467-08011, 94842841, 94849113



716679
Door Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:67771-22010



716680
Door Panel Retainers
Bottom Head Dia: 16mm
Top Head Dia: 12.5mm
Stem Dia: 8.5mm
Stem Length: 11mm
OE:67771-22020



724240
Retaining Clips
Bottom Head Dia: 30mm
Top Head Dia: 8mm
Stem Dia: 17mm
Black Nylon
OE:90467-09008



725122
Bumper Cover Pins
Diameter: 10mm
Stem Length: 24mm

Black Nylon
OE:47749-50090



725473
Retainers
Top Head: 13mm
Bottom Head: 18mm
Stem Dia: 9.5mm
Stem Length: 13mm
OE:75867-33030, 75867-AA010



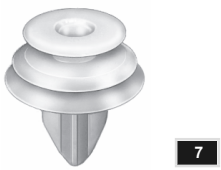
725474
Hood Seal Retainers
Bottom Head Dia: 13mm
Top Head Dia: 7mm
Stem Dia: 10mm
Black Nylon
OE:90080-46010



725476
Cowl Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm X 18mm
Stem Dia: 10.7mm
Stem Length: 12mm
OE:90467-09212



725479
Dash& Fender Apron Retainer
Bottom Head Dia: 16.5mm
Top Head Dia: 9mm
Stem Dia: 13mm
Black Nylon
OE:90467-10186



723250
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 8.5mm X 8.5mm
Stem Length: 15mm
OE:90467-09206



725124
Door Panel Retainer W/ Sealer
Fits: 8.5mm Hole
Top Head: 13mm
Bottom Head: 18mm
Overall Length: 20mm
OE:67773-0E020



725142
Trim Retainers W/ Sealer
Top Head: 13mm X 16mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 9mm
OE:67771-32120

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.



12

720508
Trim Panel Retainers
Bottom Head Dia: 16mm
Top Head Dia: 5mm
Stem Dia: 13mm
Luggage Compartment
OE: 90467-05096-22



7

723104
Trim Panel Retainers
Bottom Head Dia: 16mm
Top Head Dia: 8mm
Stem Dia: 16mm
Luggage Compartment
OE:90467-08186



25

724134
Bumper Cover Retainers
Bottom Head Dia: 19mm
Top Head Dia: 7.5mm
Stem Dia: 16mm
Fits: 6.35mm Hole
OE:90467-A0008



12

725123
Bumper Retainers
Head Size: 16mm
Stem Dia: 4.7mm X 4.7mm
Stem Length: 12mm
Front
OE:90467-05125



12

725475
Headliner Retainers
Bottom Head Dia: 20mm
Top Head Dia: 6mm
Stem Dia: 15mm
Tan Nylon
OE:90467-05164-E2



12

725477
Door & Roof Rail Retainers
Bottom Head Dia: 9mm
Top Head Dia: 5.3mm
Stem Dia: 8mm
Black Nylon
OE:67868-30030



12

725478
Fender Seal Retainers
Bottom Head Dia: 20mm
Top Head Dia: 8mm
Stem Dia: 8mm
Black Nylon
OE:90467-08136



12

725480
Headliner Retainers
Bottom Head Dia: 20mm
Top Head Dia: 6mm
Stem Dia: 15mm
Gray Nylon
OE:90467-05164-B6



10

720386
Push Type Retainers
Head Dia: 15mm
Stem Dia: 27mm
Fits: 9mm Hole
Front Bumper
OE:90467-09096



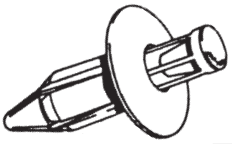
7

720548
Push Type Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 9mm Hole
Bumper Cover & Wheel Housing
OE:90467-09139



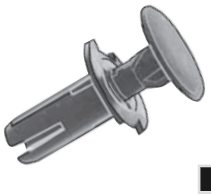
10

721033
Push Type Retainers
Head Dia: 16mm
Stem Dia: 9mm
Fits: 7mm Hole
Cowl Panel & Luggage Compartment
OE:90467-07146



12

723126
Retainers - Push To Release
9mm Stem
18mm Flange
6.3mm Hole Hole
Door Panel
OE:90467-07085



6

724549
Push Type Retainers
Head Dia: 15mm
Stem Dia: 17mm
Fits: 7mm Hole
Black Nylon
OE:90467-07188



6

724550
Push Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 9mm X 9mm Hole
Black Nylon
OE:90467-09166



10

725135
Push Type Retainers
Head Dia: 19mm
Stem Dia: 9mm
Fits: 7mm Hole
Black Nylon
OE:53259-0E010



12

725136
Push Type Retainers
Fits: 5.5mm Hole
Head Size: 13mm
Stem Length: 15mm
Inner Door Lock Plate, Engine
OE:90467-05136

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.



725137
Push Type Retainers
Fits: 10mm Hole
Head Size: 20mm
Stem Length: 12mm
Front Bumper Extension
OE:51454-0E010,51454-48010



725138
Push Type Retainers
Fits: 13mm Hole
Head Size: 22mm
Stem Length: 14mm
Front Side Lower Fender Panel
OE:51453-0E010,51453-48010



725465
Push Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 7mm Hole
Radiator Splash Shield
OE:90467-07214



725466
Push Type Retainers
Head Dia: 16mm
Stem Dia: 14mm
Fits: 7mm Hole
Turn Signal Light
OE:90080-46294



725467
Push Type Retainers
Head Dia: 22mm
Stem Dia: 15mm
Fits: 9mm Hole
Bumper & Engine Under Cover
OE:90467-09227



725468
Push Type Retainers
Head Dia: 20mm
Stem Dia: 16mm
Fits: 8mm Hole
Rocker Panel
OE:75867-06030



725469
Push Type Retainers
Head Dia: 18mm
Stem Dia: 14mm
Fits: 7mm Hole
Wheel Opening
OE:53888-48010



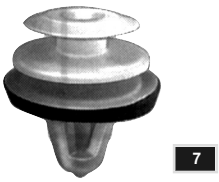
725470
Push Type Retainers
Head Dia: 18mm
Stem Dia: 10mm
Fits: 9mm Hole
Front Spoiler & Grille
OE:90467-09185



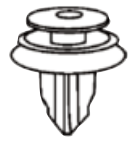
725471
Push Type Retainers
Head Dia: 16mm
Stem Dia: 10mm
Fits: 8mm Hole
Cowl
OE:90467-10206



725472
Push Type Retainers
Head Dia: 11mm
Stem Dia: 9mm
Fits: 7mm Hole
Bumper Cover
OE:90467-07071-22



720546
Trim Panel Retainers
14mm Stem Length
13 X 18mm Head
Fits: 8mm Hole
OE:67771-06070



724053
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 8.5mm X 9mm
Stem Length: 14mm
OE:90467-10188



720965
Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 6mm Hole
Stem Dia: 10mm
White Nylon
OE:67867-0C010, 67867-12150, 67868-02020



724993
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 6mm
Stem Dia: 10mm
Black Nylon
OE:91567-SR2-013



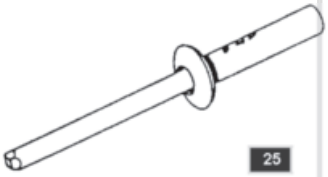
725493
Weatherstrip Retainers
Bottom Head Dia: 12mm
Top Head Dia: 6.5mm
Stem Dia: 11mm
Black Nylon
OE:90467-06128



720785
Drive Type Rivets
Head Dia: 20mm
Stem Dia: 8mm
Fits: 7mm Hole
Front Fender Liner
OE:90467-07166

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.



720771
Closed Sealing Rivets
5mm Rivet
9.5mm Flange
Windshield Side Moulding

OE:90084-26001



723117
Closed End Type Rivets
4mm (5/32) Rivet
Grip Range: 1.6-6.3mm
7.9mm Flange
Front & Rear Door Window

OE:90084-26002



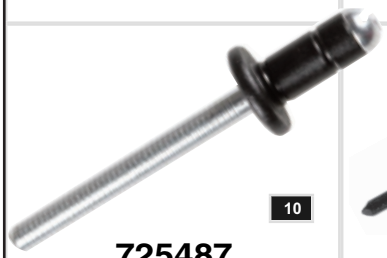
723128
Moulding Blind Rivets
3.2mm Rivet
Grip Range: 1-4.75mm
8mm Flange
4mm Hole

OE:90269-04053



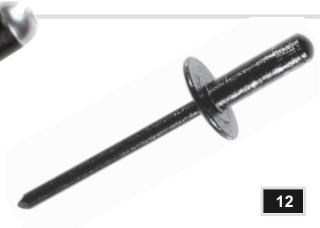
725141
Specialty Rivets
Diameter: 3.2mm (1/8)
Grip: 1/16 - 1/8
Flange: 9.5mm
Alum Rivet/ Mandrel

OE:90269-03064



725487
Specialty Rivets
Diameter: 1/4 (6.3mm)
Grip: 1/16 - 3/16
Flange: 1/2
Black Alum Rivet/steel Mandrel

OE:90269-A0005



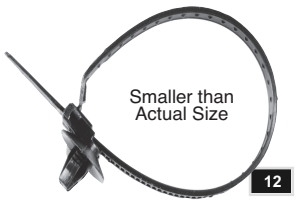
725488
Specialty Rivets
Diameter: 5/32 (4mm)
Grip: 3/64 - 3/8
Flange: 15/32
Black Alum Rivet/steel Mandrel

OE:90269-06054



718910
License Plate Screws
6mm X 20mm
12mm Flange
Indented Hex Phillips Washer Head
10mm Hex

OE:93904-46320,
91500-SM4-999AH



725440
Cable Straps
7mm (7/32) Width
Overall Length: 170mm (6-3/4)
Max. Bundle Dia.: 40mm (1-9/16)
Black Nylon

OE:82711-12200



725491
Weatherstrip Clips
Bottom Head Dia: 9mm
Top Head Dia: 5mm X 15mm
Stem Dia: 6.5mm
Stem Length: 4mm

OE:90467-04034



725240
Grille Clips
Overall Length: 24mm
14mm Width
Radiator Grille Cowl
Gray Nylon

OE:90467-13075,MR221507



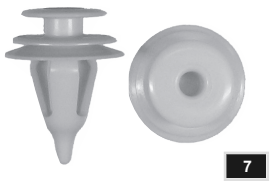
725481
Hood To Cowl Top Seal
Bottom Head Dia: 7mm X 13mm
Top Head Dia: 7.5mm
Stem Dia: 13mm
Black Nylon

OE:90467-08101



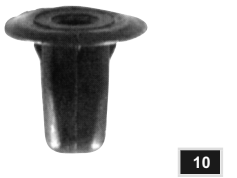
725127
Moulding Clips
Head Size: 10mm X 20mm
Stem Length: 24mm
Overall Length: 27mm
Front & Rear Spoiler

OE:75392-35220



720776
Door Trim Panel & Lower
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 17mm

OE: 67771-30090, 95008221



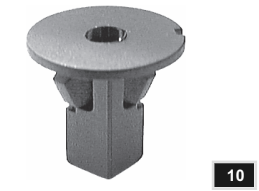
720985
Fender Lining Screw Grommet
15mm Stem
18mm Head Dia.
9mm Square Hole
5.5mm Screw

OE:90189-06104



716790
Screw Grommets
13mm W, 13mm L
8.5mm Square Hole
5mm Screw
Natural Nylon

OE:90189-06010,75521-611-0000,
96706-P0105,9991-00-601



716846
Screw Grommets
17mm Stem
20mm Head Dia.
8mm Hole
6.3-1.81mm Screw

OE:90189-06013, 90189-06065,
96706-W1000

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.



10

716855
Screw Grommets
10mm Stem
14mm Head Dia.
7mm Square Hole
3mm Screw
OE:90189-04066, 90662-693-003



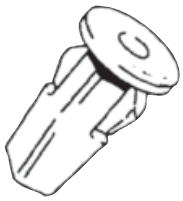
10

716857
Screw Grommets
17mm Stem
16mm Head Dia.
8mm Square Hole
4mm Screw
OE:90189-06042, 01651-00481, 74798-S9000, 90661-SC7-003, H001-50-841, MS-480012



10

716864
Screw Grommets
17mm Stem
18mm Head Dia.
8.5mm Square Hole
5mm Screw
OE:90189-06001,01281-00028, MB-098145



7

720630
Screw Grommets
16mm Flange
Fits: 9mm Square Hole
5.5mm Screw
Front & Rear Wheel Fender Liner
OE:90189-06028,94854203



12

725139
Screw Grommets
Head Size: 17.5mm X 30mm
Stem Length: 10mm
M5.5 (#12) Screw Size
White Nylon
OE:52535-30150



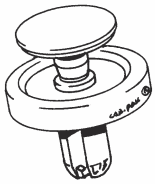
25

716793
Headlamp Bezel & Grille Nuts
12mm W, 12mm L
8 X 9mm Hole
5mm Screw
Natural Nylon
OE: 90189-05013, 94841764, MS-480002



7

723317
Rocker Panel & Garnish
Head Dia: 20mm
Stem Dia: 8mm
Fits: 7mm Hole
Black Nylon
OE: 90467-07168, 88970494, 88973676



5

723368
Drive Type Retainers
Head Dia: 18mm
Stem Dia: 7.5mm
Fits:7mm Hole
Front Fender Liner
OE: 90467-10183, 88970767



15

718720
Screw Type Rivet Retainers
Head Dia: 14mm
Stem Dia: 11mm
Fits:7mm Hole
Black Nylon
OE:90467-06017-20, N304-13-356-A, 90657-SA6-0030, 94198687



15

716329
Hood Seal Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7.5mm
Stem Dia: 11mm
Black Nylon
OE:90467-08004, 90467-08011, 94842841, 94849113



25

717620
Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7mm
Stem Dia: 15mm
Black Nylon
OE:90467-07050, 01553-00172



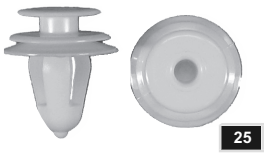
12

725291
Retaining Clips
Head Size: 14mm
Stem Dia: 9.5mm
Stem Length: 16mm
Black Nylon
OE:90467-090-6901, 01553-02253



12

725479
Dash & Fender Apron
Bottom Head Dia: 16.5mm
Top Head Dia: 9mm
Stem Dia: 13mm
Black Nylon
OE:90467-10186



25

720807
Trim Board Retainers Front &
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:67771-12050, 30006620, 95008221



12

725124
Door Panel Retainers W/sealer
Fits: 8.5mm Hole
Top Head: 13mm
Bottom Head: 18mm
Overall Length: 20mm
OE:67773-0E020



12

725142
Trim Retainers W/sealer
Top Head: 13mm X 16mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 9mm
OE:67771-32120

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.



720632
Hood Insulation Retainers
Bottom Head Dia: 25mm
Top Head Dia: 9mm
Stem Dia: 10mm
Black Nylon
OE: 88970747, 94858509, 90467-09050



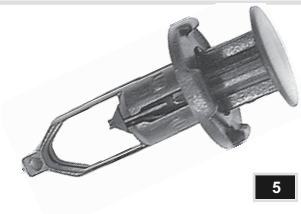
724134
Bumper Cover Retainers
Bottom Head Dia: 19mm
Top Head Dia: 7.5mm
Stem Dia: 16mm
Fits: 6.35mm Hole
OE:90467-A0008



725477
Door & Roof Rail Retainers
Bottom Head Dia: 9mm
Top Head Dia: 5.3mm
Stem Dia: 8mm
Black Nylon
OE:67868-30030



720550
Push Type Retainers
Head Dia: 18mm
Stem Dia: 23mm
Fits:9mm Hole
Bumper Cover
OE:90467-09101,94853733



720782
Push Type Retainers
Head Dia: 18mm
Stem Dia: 28mm
Fits:9mm Hole
Rear Bumper Cover
OE:52161-02020, 52161-16010, 94858560



725137
Push Type Retainers
Fits: 10mm Hole
Head Size: 20mm
Stem Length: 12mm
Front Bumper Extension
OE:51454-0E010, 51454-48010



725138
Push Type Retainers
Fits: 13mm Hole
Head Size: 22mm
Stem Length: 14mm
Front Side Lower Fender Panel
OE:51453-0E010,51453-48010



725468
Push Type Retainers
Head Dia: 20mm
Stem Dia: 16mm
Fits:8mm Hole
Rocker Panel
OE:75867-06030



725470
Push Type Retainers
Head Dia: 18mm
Stem Dia: 10mm
Fits:9mm Hole
Front Spoiler & Grille
OE:90467-09185



725471
Push Type Retainers
Head Dia: 16mm
Stem Dia: 10mm
Fits:8mm Hole
Cowl
OE:90467-10206



716343
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:67771-01010,95005064



717616
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:67771-01010, 67771-12010F, 894-226-4920, 9927-40-825



724993
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 6mm
Stem Dia: 10mm
Black Nylon
OE:91567-SR2-013



725488
Specialty Rivets
Diameter: 5/32 (4mm)
Grip: 3/64 - 3/8
Flange: 15/32
Black Alum Rivet/steel Mandrel
OE:90269-06054

NISSAN / INFINITI

Illustrations are actual size unless otherwise noted.



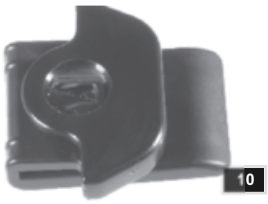
12

725295
Weatherstrip Clips
Bottom Head Dia: 6 X 16mm
Top Head Dia: 6.5mm
Stem Dia: 12mm
White Nylon
OE:80850-89900



15

716327
Interior Trim Clips
OE:01553-01251



10

725265
Clips
30mm Width @ Wings
20mm Width
Overall Length: 30mm
Fender Apron
OE:63848-9Y000



10

725266
Flange Clips
Flange: 20mm
Overall Hgt: 12.5mm
10.5mm Hex
Wheel Liner Cowl
OE:01553-05131



12

725269
Hood Seal Clips
Bottom Head Dia: 6.4 X 16mm
Top Head Dia: 3.5mm X 6mm
Stem Dia: 10mm
Black Nylon
OE:65810-K2000



10

725268
Hood Prop Rod Clips
8mm Rod Size
Overall Length: 33mm

Black Nylon
OE:65722-EA000



10

725270
Moulding Clips
Fits: 8mm Hole
Top Head: 10mm X 15mm
Bottom Head: 18mm
Stem Length: 12mm
OE:76882-EG01A



12

725271
Moulding Clips
Top Head: 8mm X 15mm
Bottom Head: 15mm
Stem Dia: 5.3mm
Stem Length: 9mm
OE:76988-4N000



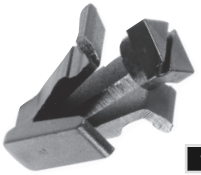
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725272
Moulding Clips
Top Head: 14mm X 14mm
Bottom Head: 16mm
Stem Length: 10mm
Rocker Moulding Clip
OE:76882-0E700



10

725273
Moulding Clips
Fits: 8.5mm Hole
Top Head: 12mm X 15mm
Bottom Head: 16mm
Stem Length: 12mm
OE:01553-08911



10

725274
Moulding Clips
Overall Hgt: 25mm (1")
Grille Clip

Black Nylon
OE:76882-0M060



12

725291
Retaining Clips
Head Size: 14mm
Stem Dia: 9.5mm
Stem Length: 16mm
Black Nylon
OE:01553-02253,
90467-090-6901



10

725275
Windshld Garnish Molding Clip
Fits: 7-12mm Hole
Overall Length: 44mm
Windshield Garnish
OE:76988-3DN0A



12

725262
Bumper Grommets
Screw Size: M5.5 (No. 12)
Overall Length: 22mm
Bumper Screw Grommet
Natural Nylon
OE:01281-01321



12

725263
Bumper Grommets
Screw Size: M4.8 (No. 10)
Head Size: 20mm
Stem Length: 16mm
Overall Length: 22mm
OE:63846-5V000



12

725267
Grommets
Fits: 11mm Hole
Head Size: 20mm
Stem Length: 13mm
Grille
OE:01281-0005U

NISSAN / INFINITI

Illustrations are actual size unless otherwise noted.



10

725276
Moulding Grommets W/ Sealer
Fits: 8mm Hole
Screw Size: M4.2 (No. 8)
Head Size: 14mm
Stem Length: 8mm
OE:01553-02913



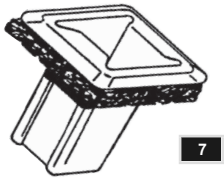
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725277
Moulding Grommets W/ Sealer
Screw Size: M5.5 (No. 12)
Head Size: 15.4mm X 19mm
Stem Length: 15mm
Yellow Nylon
OE:76848-71S00



25

716795
Grommets W/ Sealer
Fits: 8mm Square Hole
13mm Head Dia.
5mm Screw
Natural Nylon
OE:01281-00022



7

723385
Cowl Vent Grommets W/Sealer
13mm Stem Length
13 X 13mm Head
1mm Panel Range
14mm Overall Length
OE:80874-0P000



12

725296
Grommets W/ Sealer
Head Size: 14mm X 18mm
Stem Length: 13mm

White Nylon
OE:01553-02923



10

716864
Screw Grommets
17mm Stem
18mm Head Dia.
Fits: 8.5mm Square Hole
5mm Screw
OE:01281-00028,90189-06001, MB-098145



Smaller than Actual Size

12

724030
Screw Grommets
16mm Flange
11mm Overall Length
Fits: 8.5mm Square Hole
1.5mm Panel Range
OE:01281-00831



10

725292
Screw Grommets W/ Sealer
Screw Size: 4.2 (No. 8)
Head Size: 16mm
Stem Length: 20mm
Natural Nylon
OE:01281-00691



10

725293
Screw Grommets W/ Sealer
Screw Size: M3.5 (No. 6)
Head Size: 9.5mm X 9.5mm
Stem Length: 16mm
White Nylon
OE:01281-00501



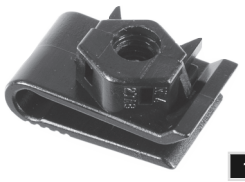
10

725294
Screw Grommets W/ Sealer
Screw Size: M6.3-1.81 (No. 14)
Head Size: 15mm X 19mm
Stem Length: 16mm
Brown Nylon
OE:01553-2U001, 26557-2U001



5

723096
Front Bumper Nylon Nuts
11mm Stem
16mm Head Diameter
5.5mm (No. 12) Screw
Natural Nylon
OE:62319-0W000



10

725279
Nylon "U" Nuts
Panel Range: Up To 4mm
M6 Captive Metal Hex Nut
14mm Center Of Hole To Edge
Black Nylon
OE:01241-00881



25

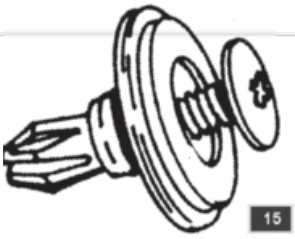
717612
Drive Type Rivet Retainers
12mm Washer Face
Fits: 5mm Hole
Trim Panel

OE:90467-06054



7

723186
Drive Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 8mm Hole
Bumper Clip
OE:01553-09611,90467-08185



15

718713
Screw Type Rivet Retainers
Head Dia: 22mm
Stem Dia: 14mm
Fits: 11mm Hole
Bumper & Fascia
OE:01553-03101



25

716330
Retaining Clips
Bottom Head Dia: 14mm
Top Head Dia: 10mm
Stem Dia: 16mm
Black Nylon
OE:76906-T3000, 90467-11005

NISSAN / INFINITI

Illustrations are actual size unless otherwise noted.


25

717610
Retaining Clips
Bottom Head Dia: 20mm
Top Head Dia: 11mm
Stem Dia: 16mm
Black Nylon
OE:01553-00051


25

717620
Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7mm
Stem Dia: 15mm
Black Nylon
OE:01553-00172, 90467-07050


15

718727
Push Pin Type Rivet Retainers
Head Dia: 8mm X 12mm
Stem Dia: 8mm
Fits: 6mm X 6mm Hole
Cowl Grille Retainer
OE:66814-01G00


5

720796
Bumper Push Type Retainers
Head Dia: 18mm
Stem Dia: 15mm
Fits: 10mm Hole
Black Nylon
OE:01553-09241


12

725064
Retainers
Bottom Head Dia: 8mm
Top Head Dia: 5.3mm
Stem Dia: 7mm
Black Nylon
OE:80850-CA003


10

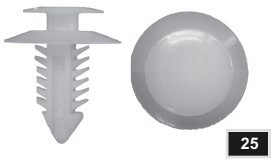
725261
Retainers W/ Sealer
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 10mm
OE:85284-4J500


12

725287
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12.5mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:84953-JA00A


10

725065
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 14mm
OE:84953-AU100


25

716308
Door Trim Panel Retainers
Bottom Head Dia: 19mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:01553-S3500


12

724028
Cowl / Fender Apron Retainers
Bottom Head Dia: 15mm
Top Head Dia: 4.5mm
Stem Dia: 14mm
Black Nylon
OE:01553-01182


10

725286
Hood Insulation Retainers
Bottom Head Dia: 28mm
Top Head Dia: 6mm
Stem Dia: 10mm
Black Nylon
OE:65846-4Z000


12

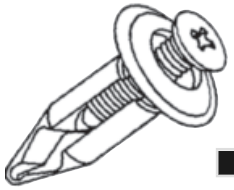
725290
Bumper & Trim Retainers
Bottom Head Dia: 12mm
Top Head Dia: 6mm
Stem Dia: 15mm
Black Nylon
OE:01553-01A50


7

723203
Push Type Retainers
Head Dia: 20mm
Stem Dia: 22mm
Fits: 8mm Hole
Black Nylon
OE:63878-01E10


5

723295
Push Type Retainers
Head Dia: 18mm
Stem Dia: 22mm
Fits: 9mm Hole
Bumper Fascia
OE:63848-9E001


7

723381
Push Type Retainers
Head Dia: 18mm
Stem Dia: 20mm
Fits: 9mm Hole
Front Bumper
OE:63848-40Y00


10

725282
Push Type Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 8mm Hole
Gray Nylon
OE:01553-0038U

NISSAN / INFINITI

Illustrations are actual size unless otherwise noted.



12

725283
Push Type Retainers
Head Dia: 20mm
Stem Dia: 15mm
Fits: 8mm Hole
Black Nylon
OE:01553-08231



10

725284
Push Type Retainers
Head Dia: 15mm
Stem Dia: 14mm
Fits: 5mm Hole
Black Nylon
OE:01553-06071



10

725285
Push Type Retainers
Head Dia: 20mm
Stem Dia: 8mm
Fits: 8mm Hole
Black Nylon
OE:84995-3J101



10

720966
Trim Panel Retainers
Bottom Head Dia: 17mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 13mm
OE:84915-0W000



12

725288
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 6mm
Stem Dia: 8mm
Black Nylon
OE:01553-08961



Smaller than Actual Size

12

724027
Drive Type Rivets
13mm Stem Lgth.; 20mm Flange
Frt. Bmpr./rad. Sup.; 2-6mm PR
8mm Hole
Front Bumper & Radiator
OE:11296-AG000



12

725278
Hole Plugs
Fits: 18mm
Diameter: 25mm

Black Nylon
OE:80874-AX000



12

725264
Cable Straps
8mm Width
Overall Length: 200mm (8")
Max. Bundle Diameter: 2-3/16
Black Nylon
OE:24225-89960



12

725060
Clip, Cowl & Grill Retainers
Head Size: 11mm
Stem Dia: 4.5mm
Stem Length: 15mm
Cowl Grille Retainer
OE:66820-61U00



12

725063
Moulding Clips
Top Head: 13mm X 13mm
Bottom Head: 19mm
Stem Length: 10mm
Tail Light Clip
OE:26398-ED000



10

716790
Screw Grommets
13mm W, 13mm L
8.5mm Square Hole
5mm Screw
Natural Nylon
OE:96706-P0105, 75521-611-0000, 90189-06010, 9991-00-601



10

716794
Screw Grommets
17mm W, 17mm L
8mm X 8.5mm Hole
5mm Screw
Natural Nylon
OE:68425-H5000, 90662-671-0030, 9991-00-503



10

716846
Screw Grommets
17mm Stem
20mm Head Dia.
8mm Hole
6.3-1.81mm Screw
OE:96706-W1000, 90189-06013, 90189-06065



10

716848
Screw Grommets
16mm Stem
6mm Square Hole
13.5mm Head Dia.
4mm Screw
OE:01281-00151, 01281-00161, 96706-H9400, 96706-K1300, 96706-K1351, 790184000, 90672-671-811, MB106212



10

716850
Screw Grommets
16mm Stem
9.5mm W, 9.5mm L
7mm Square Hole
3mm Screw
OE:96706-89901,9991-00-402



10

716856
Screw Grommets
17mm Stem
12mm W, 19mm L
8 X 15mm Hole
5mm Screw
OE:78856-R4301, 90683-693-0000

NISSAN/ INFINITI

NISSAN / INFINITI

Illustrations are actual size unless otherwise noted.



716857
Screw Grommets
17mm Stem
16mm Head Dia.
8mm Square Hole
4mm Screw
OE:01651-00481,74798-S9000, 90189-06042, 90661-SC7-003, H001-50-841, MS-480012



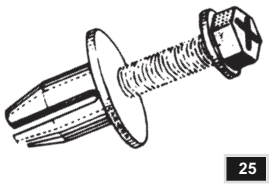
717611
Screw Grommets
9.5mm W; 9.5mm L
7mm Square Hole
4mm Screw
White Nylon
OE:97606-B0700,75522-611-0000, 9991-00-412, MS-480001



720637
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Black Nylon
OE:01553-09321,MR328954



724250
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 8mm
Fits:8mm Hole
Black Nylon
OE:63848-01G00-A, 91545-SE0-003



718672
Screw Type Rivet Retainers
Head Dia: 43/64(17mm)
Stem Dia: 23/64 (18.3mm)
Fits:5/16 (8mm) Hole
Front Compartment & Spare Tire
OE:63844-01A99,20451119



718710
Screw Type Rivet Retainers
Head Dia: 9/16 (14mm)
Stem Dia: 5/8 (16mm)
Fits:1/4 (6mm) Hole
Cowl Panel To Reinforcement
OE:66860-01W01,94051993



718711
Screw Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 11mm
Fits:6mm Hole
Black Nylon
OE:10998-30880, 894-298-1190, 90684-SA5-003



718722
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits:8mm Hole
Black Nylon
OE:63876-95596, 90675-SB3-003, FB01-56-964



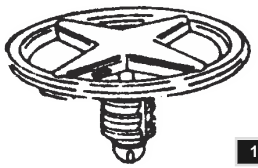
718723
Screw Type Rivet Retainers
Head Dia: 25/32 (20mm)
Stem Dia: 23/32 (18mm)
Fits:5/16 (8mm) Hole
Inner Fender
OE: 63844-01A00, MNA01-56-145, NA01-56-145, NA01-56145



720967
Hood To Cowl Seal Retainers
Bottom Head Dia: 6mm X 16mm
Top Head Dia: 5mm Hole
Stem Dia: 15mm
White Nylon
OE:65810-K2009



725289
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 13mm
OE:01553-09791, 80999-VE000



716326
Hood Insulation Retainers
Bottom Head Dia: 38mm
Top Head Dia: 7mm
Stem Dia: 9mm
Black Nylon
OE:65832-F5000, 65846-30F00



724908
Push Type Retainers
Head Dia: 25mm
Stem Dia: 29mm
Fits:7mm Hole
Black Nylon
OE:622A2-9E000, 622A2-9E000A, 11561874

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Illustrations are actual size unless otherwise noted.



10

725080
Moulding Clips
Head Size: 8mm X 22mm
Stem Length: 10mm

Black Nylon
OE:87756-2G000



12

725081
Moulding Clips
Top Head: 10mm X 15mm
Bottom Head: 16mm X 18mm
Stem Length: 9mm
White Nylon
OE:86359-33500



12

725082
Moulding Clips W/ Sealer
Top Head: 10.5mm X 9.5mm
Bottom Head: 14mm X 17.5mm
Stem Dia: 14.3mm
Stem Length: 10mm
OE:87719-02500,
87758-3E000, 87759-3E000



10

725083
Moulding Clips W/ Sealer
Top Head: 11mm X 13mm
Bottom Head: 12mm X 20mm
Stem Length: 10mm
Red Nylon
OE:87756-3E500



12

725085
Nylon Nuts
Head Size: 11mm X 11mm
Stem Dia: 9mm
Overall Length: 13.5mm
White Nylon
OE:86699-2D000



12

725084
Nylon Flange Nuts
Flange: 25mm
Overall Hgt: 10mm
14mm Hex Size Cowl Trim
Black Nylon
OE:0K95A-68615



5

725088
Retainers
Head Size: 25mm X 30mm
Stem Length: 15mm
Overall Length: 35mm
Bumper Cover Clip W/sealer
OE:86591-25000



12

725086
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 8mm
Stem Dia: 16mm
Gray Nylon
OE:85746-06000LX



12

725087
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 8mm
Stem Dia: 16mm
Tan Nylon
OE:85746-06000RU



25

725036
Retainers
Overall Length: 21mm
Trim Panel & Dash Console Clip

White Nylon
OE:84747-2L000



12

725012
Moulding Clips W/sealer
Top Head: 10mm X 12mm
Bottom Head: 14mm X 20mm
Stem Dia: 14mm
Stem Length: 10mm
OE:87756-1F000



10

725017
Moulding Clips W/sealer
Top Head: 10mm X 12mm
Bottom Head: 14mm X 18mm
Stem Length: 10mm
White Nylon
OE:87758-35010



25

725022
Moulding Retainers
Screw Size: M3.5 (no. 6)
Head Size: 13mm X 13mm
Stem Dia: 13.5mm
Stem Length: 8mm
OE:87756-34520



10

725024
Nylon Nuts
Head Size: 13mm X 13mm
Stem Length: 10mm
M4.2 (No. 8) Screw Size
White Nylon
OE: 87714-FD200, 87756-1C000



15

718723
Screw Type Rivet Retainers
Head Dia: 25/32 (20mm)
Stem Dia: 23/32 (18mm)
Fits:5/16 (8mm) Hole
Inner Fender
OE:MNA01-56-145, 63844-01A00,
NA01-56-145, NA01-56145



25

725033
Retainers
Top Head: 14mm
Middle Head: 15mm
Bottom Head: 16mm
Stem Dia: 10.3mm
OE:85495-2E050

KIA

Illustrations are actual size unless otherwise noted.



25

725034
Retainers
Top Head: 13mm
Middle Head: 15mm
Bottom Head: 18mm
Stem Dia: 11mm
OE:82315-2P000



25

725035
Retainers
Top Head: 15mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 10.7mm
OE:82315-33020



25

725037
Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 15mm
Stem Dia: 9.6mm
OE:85506-4A000



25

725027
Retainers
Bottom Head Dia: 5mm X 13mm
Top Head Dia: 8mm
Stem Dia: 11mm
Black Nylon
OE:86438-4A100



25

725029
Retainers
Bottom Head Dia: 6mm X 16mm
Top Head Dia: 8mm
Stem Dia: 14mm
Black Nylon
OE:86434-4A000



10

725025
Push Type Retainers
Head Dia: 15mm
Stem Dia: 10mm
Fits:7mm Hole
Black Nylon
OE:86155-2H100



10

725040
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 10mm
Stem Length: 12mm
OE:82315-27000

Illustrations are actual size unless otherwise noted.



12

725172
Weatherstrip Clips
Bottom Head Dia: 14mm
Top Head Dia: 6.5mm
Stem Dia: 10mm
Black Nylon
OE:J001-56-741



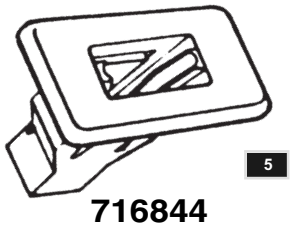
25

720537
Front & Rear Door
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 6mm Hole
Stem Dia: 8mm
Blue Nylon
OE:GA2A-58-762



12

725162
Moulding Clips
Top Head: 10mm X 15mm
Bottom Head: 17mm
Stem Dia: 13mm
Stem Length: 9mm
OE:E11451W24



5

716844
Tail Lamp Retaining Grommet
14mm W, 19mm L
Fits: 8 X 12mm Hole
5mm Or #10 Screw



10

725161
Grommets
Diameter: 25mm
Stem Dia: 22mm

Black Nylon
OE:GS3L-68-615



25

716792
Screw Grommets
12mm W, 12mm L
Fits: 8mm Square Hole
5mm Screw
Natural Nylon
OE:9991-00-501



10

716839
Screw Grommets
Fits: 7 X 7mm Hole
13mm Head Dia.
4mm Screw
Natural Nylon
OE:9991-00-403



10

716850
Screw Grommets
16mm Stem
9.5mm W, 9.5mm L
Fits: 7mm Square Hole
3mm Screw
OE:9991-00-402, 96706-89901



10

720989
Splash Shield Screw Grommet
15mm Stem
18 X 20mm Head
5.5mm Screw
Black Nylon
OE:KA78-50-AF4



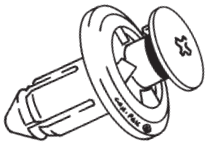
10

725170
Screw Grommets W/ Sealer
Screw Size: M4.2 (No. 8)
Head Size: 20mm
Stem Length: 15mm
White Nylon
OE:GJ6A-58-975



12

725171
"U" Nuts
Screw Size: M4.8 (No. 10)
Panel Range: Up To 1mm
11mm Center Of Hole To Edge
Gray Nylon
OE:B455-56-135



12

723209
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Mud Guard
OE:BC1D-56-145



15

718715
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 6mm Hole
Black Nylon
OE:1395-68-676, 80915-29A66, 894-243-1900, 9926-50-635



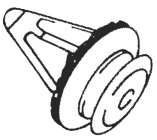
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725167
Retainers
Bottom Head Dia: 18.5mm
Top Head Dia: 14mm
Stem Dia: 12mm
Stem Length: 13mm
OE:TD12-51-SJ3A



12

725169
Retaining Clips
Bottom Head Dia: 9mm
Top Head Dia: 5.5mm
Stem Dia: 7mm
Black Nylon
OE:BP4K-58-762



6

724516
Rocker/fender Retainer W/sealer
Head Dia: 14mm
Overall Length: 19mm
Fits: 10mm
Trim Thickness: 2.5mm
OE:G18K-51-SJ3

MAZDA

Illustrations are actual size unless otherwise noted.



25

716672
Retainers
Bottom Head Dia: 12mm
Top Head Dia: 5mm
Stem Dia: 12mm
Black Nylon
OE:9924-90-512B



15

716681
Door Panel Retainers
Bottom Head Dia: 17mm
Top Head Dia: 15mm
Stem Dia: 10mm
Stem Length: 14mm
OE:9927-40-821



12

724838
Retainers
Bottom Head Dia: 20mm
Top Head Dia: 7mm
Stem Dia: 15mm
Black Nylon
OE:5R3Z-54310D12-BAA



25

725160
Retainers
Head Size: 15mm
Stem Dia: 6.5mm
Stem Length: 14mm
Black Nylon
OE:B003-68-865-00



12

725168
Retainers
Bottom Head Dia: 20mm
Top Head Dia: 7mm
Stem Dia: 10mm
Black Nylon
OE:TD11-56-694



5

724122
Push Type Retainers
Head Dia: 19.5mm
Stem Dia: 15mm
Fits: 10mm Hole
Bumper Cover & Grille
OE:GD7A-50-EA1



10

725163
Push Type Retainers
Head Dia: 11mm
Stem Dia: 7mm

Black Nylon
OE:S51S-51-833



10

725164
Push Type Retainers
Head Dia: 10mm
Stem Dia: 9mm
Fits: 5mm Hole
Black Nylon
OE:EA01-50-037



12

725165
Push Type Retainers
Fits: 8mm Hole
Head Size: 13mm
Stem Length: 13mm
Black Nylon
OE:G14S-50-EA1



12

725166
Push Type Retainers
Fits: 6mm Hole
Head Size: 18mm
Stem Length: 14mm
Rear Trunk Liner
OE:B467-68-AC3-02



1

721049
Door Lock Rod Clips
Right Hand
1996-on Mazda Truck
White Pawl

OE:YL3Z-1521970-AA



5

724820
Bumper Grommets
Fits: 17 X 20mm
Head Size: 27mm X 30mm
Stem Length: 32mm
Rear Bumper Grommet W/seal
OE:GJ6A-50-ES1,
3M8Z-16K262-A



10

716790
Screw Grommets
13mm W, 13mm L
8.5mm Square Hole
5mm Screw
Natural Nylon
OE:9991-00-601, 75521-611-0000, 90189-06010, 96706-P0105



10

716794
Screw Grommets
17mm W, 17mm L
8mm X 8.5mm Hole
5mm Screw
Natural Nylon
OE:9991-00-503,68425-H5000, 90662-671-0030



10

716857
Screw Grommets
17mm Stem
16mm Head Dia.
8mm Square Hole
4mm Screw
OE:H001-50-841,01651-00481, 74798-S9000, 90189-06042, 90661-SC7-003, MS-480012



25

717611
Screw Grommets
9.5mm W; 9.5mm L
7mm Square Hole
4mm Screw
White Nylon
OE:9991-00-412, 75522-611-0000, 97606-B0700, MS-480001

Illustrations are actual size unless otherwise noted.



724844
Screw Grommets
Screw Size: M4.8 (no. 10)
Head Size: 15mm X 27mm
Stem Length: 13mm
Cowl Vent
OE:GK2A-50-798, 3M8Z-17C432-A



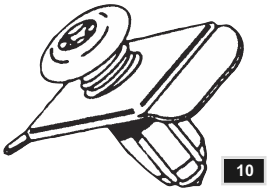
718720
Screw Type Rivet Retainers
Head Dia: 14mm
Stem Dia: 11mm
Fits:7mm Hole
Black Nylon
OE:N304-13-356-A, 90467-06017-20, 90657-SA6-0030, 94198687



718722
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits:8mm Hole
Black Nylon
OE:FB01-56-964, 63876-95596, 90675-SB3-003



718723
Screw Type Rivet Retainers
Head Dia: 25/32 (20mm)
Stem Dia: 23/32 (18mm)
Fits:5/16 (8mm) Hole
Inner Fender
OE:NA01-56-145, 63844-01A00, MNA01-56-145, NA01-56145



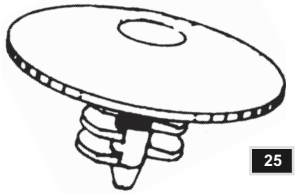
718726
Screw Type Rivet Retainers
11mm Stem Length
30 X 20mm Head
2-7mm Grip Range
Fits: 10mm Hole
OE:BF67-50-033, E7GZ-17A904-B



724117
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits:8mm Hole
Black Nylon
OE:B092-51-833,W705845-S300



723205
Door & Interior Trim Panel
Bottom Head Diá: 15mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 9.5mm
OE:G350-68-AB1,MG350-68AB1



716331
Hood Insulation Retainers
Bottom Head Dia: 20mm
Top Head Dia: 5.5mm
Stem Dia: 9mm
Nylon
OE:G030-68-885B38, GA2A-56-694, F22Z-16774-A



717616
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:9927-40-825, 67771-01010, 67771-12010F, 894-226-4920

MERCEDES

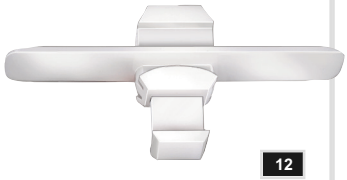
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12

725190
Moulding Clips
Head Size: 16mm X 16mm
Overall Length: 21.5mm

White Nylon
OE:001-988-49-81



12

725191
Moulding Clips
Overall Length: 45mm
Overall Hgt: 16mm
11mm Width
45mm Length
OE:006-988-89-78



12

725192
Moulding Clips
Overall Length: 20mm
Overall Hgt: 20mm
19mm Width
White Nylon
OE:124-988-04-78



12

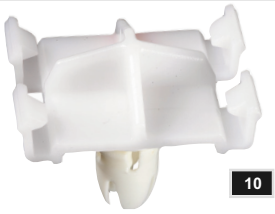
725193
Moulding Clips
Overall Length: 23mm
22.5mm Width

White Nylon
OE:001-988-50-81



12

725194
Moulding Clips
Head Size: 12mm X 16mm
Stem Length: 7mm
Overall Hgt: 16mm
Front Fender
OE:001-988-44-81



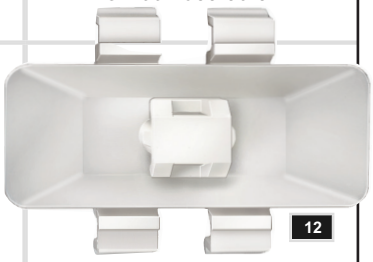
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725195
Moulding Clips
Stem Length: 16mm
Overall Length: 32.5mm
23mm Width
White Nylon
OE:001-988-80-81



12

725196
Moulding Clips
Overall Length: 25mm
Overall Hgt: 21.5mm
18.5mm Width
Front & Rear Door
OE:001-988-46-81



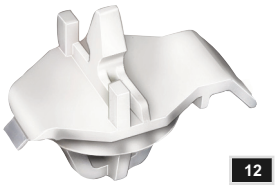
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725197
Moulding Clips
Overall Length: 48mm
Overall Hgt: 15mm
32.5mm Width
Front & Rear Door
OE:007-988-71-78



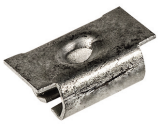
12

725198
Moulding Clips
Head Size: 12.5mm X 15.5mm
Stem Length: 7mm
Overall Hgt: 15.5mm
Front Fender
OE:001-988-60-81



12

725199
Moulding Clips
Overall Length: 32mm
Overall Hgt: 25.5mm
19mm Width
Quarter Panel
OE:001-988-63-81



12

725205
Sheet Metal Nuts
Screw Size: M4.8-1.61 (No. 10)
Head Size: 10mm X 19mm
Overall Hgt: 7.5mm
Shield Clip Nut
OE:001-994-98-45



25

716805
"U" Speed Nuts
4.2mm Screw
7.5mm Depth
.5 - 1.7mm Panel Range
8mm Center Of Hole To Edge
OE:000-994-04-45



25

716811
"U" Speed Nuts
6.3mm Screw
13mm Depth
.7 - 1.5mm Panel Range
13mm Center Of Hole To Edge
OE:000-994-09-45, 20-72-175, 946-418



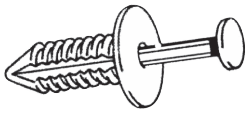
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724094
"U" Speed Nuts
4.2mm (No. 8) Screw
14mm Center Of Hole To Edge
.5 - 2.5mm Panel Range
Zinc & Yellow
OE:123-994-08-45



10

725200
Nylon & Metal Retainers
14.5mm X 47mm
Overall Length: 43mm
Black Phosphate Plated Steel
Front & Rear Door
OE:124-988-94-78



6

724509
Drive Type Rivet Retainers
Head Dia: 16mm
Stem Dia: 18mm
Fits: 7mm Hole
Black Nylon
OE:124-990-04-92

MERCEDES

Illustrations are actual size unless otherwise noted.



10

725201
Push Type Retainers
Fits: 6mm Hole
Head Size: 11mm
Stem Length: 16mm
Black Nylon/ Santoprene Rubber
OE:000-991-59-40



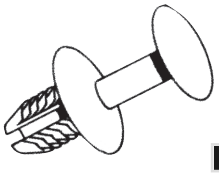
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725202
Push Type Retainers
Fits: 8mm Hole
Head Size: 16mm
Stem Length: 11mm
Black Nylon
OE: 000-990-29-92, 000-990-60-92, 001-990-16-92, 114-990-01-92, 1104882, 1268642, 1719245, 9133417



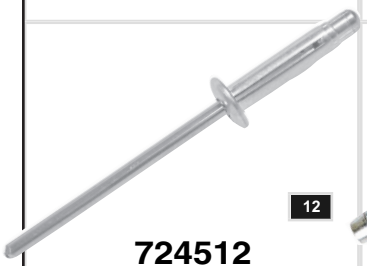
12

725203
Retaining Pins
Head Size: 15mm X 15mm
Overall Length: 31mm
Rear Entry Scuff Plate
Black Nylon
OE:2D1-867-741, A901-988-00-25



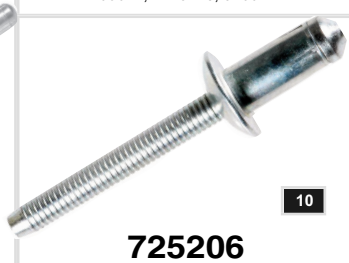
6

724517
Hood Insul. Drive Type Rivets
Head Dia: 20mm
Stem Dia: 9.5mm
Fits: 8mm Hole
Panel Range: 5mm
OE:230-990-01-92



12

724512
Bumper Blind Rivets
Head Dia: 5/16 (m8)
Dia: 5/32 (m4)
.040 - .275 (1 - 7.5mm) Grip Range
Leg Retention Style
OE:003-990-94-97



10

725206
Specialty Rivets
Diameter: 1/4 (6.3mm)
Grip: 3/16 - 17/64
Flange: 1/2
Steel Rivet/ Mandrel
OE:004-990-16-97



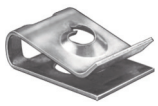
12

725204
Sems Tapping Screws
Head Size: M4.8-1.61 X 20mm
Hex Head Sems
26mm Washer OD
Front Bumper/ Moulding Strip
OE:201-990-05-36



12

724743
Moulding Nuts
Flange: 16mm
Overall Hgt: 11mm
5mm Stud Size; 10mm Hex
Nylon Flange Nut
OE:003-990-02-51, 16-13-1-176-747



25

716804
“U” Speed Nuts
4.2mm Screw
7mm Depth
3 - 4mm Panel Range
7mm Center Of Hole To Edge
OE: 000-904-24-45, 0712-9-925-708



25

716807
“U” Speed Nuts
4.8mm Screw
12mm Depth
.8 - 1.7mm Panel Range
11mm Center Of Hole To Edge
OE:000-994-14-45, 0711-9-916-945



25

716809
“U” Speed Nuts
4.8mm Screw
12.5mm Depth
.5 - 1.7mm Panel Range
7mm Center Of Hole To Edge
OE:000-994-06-45, 0712-9-925-737

MITSUBISHI

Illustrations are actual size unless otherwise noted.



12

725240
Grille Clips
Overall Length: 24mm
14mm Width
Radiator Grille Cowl
Gray Nylon
OE: MR221507,90467-13075



10

716848
Screw Grommets
16mm Stem
Fits: 6mm Square Hole
13.5mm Head Dia.
4mm Screw
OE:MB106212,01281-00151, 01281-00161, 790184000, 90672-671-811, 96706-H9400, 96706-K1300, 96706-K1351



25

725241
Nylon Nuts
Fits: 6mm X 6mm Hole
Screw Size: M3.5 (No. 6)
Head Size: 10mm X 10mm
Stem Length: 7mm
OE:MU480001



12

725245
Retainers W/ Sealer
Top Head: 12mm
Bottom Head: 16mm
Stem Dia: 8mm X 8mm
Stem Length: 14mm
OE:MR322000



10

725243
Push Type Retainers
Head Dia: 15mm
Stem Dia: 11mm
Fits: 6mm Hole
Black Nylon
OE:MR288150



12

725242
Tapping Screws
Screw Size: M6-1.81 X 20mm
13mm Washer OD; 10mm Hex
Phillips Head Sems
Bumper, Exterior Trim
OE:MS452348



25

725244
Tapping Screws
Screw Size: M5-1.59 X 11mm
Head Size: 11mm
Phillips Truss Head
Interior Trim
OE:MF453091



25

717608
Trim Panel Clips
OE:MB-178894



7

723206
Moulding Grommets
15.5mm Flange
21.5mm Overall Length
1.5mm Panel Range
9mm Hole
OE:MR478263



6

724552
Spoiler Grommets W/sealer
Head Dia: 12 X 16mm
Stem Dia: 14mm
Back Glass Lower & Quarter
Black Nylon
OE:MB645307



10

716857
Screw Grommets
17mm Stem
16mm Head Dia.
8mm Square Hole
4mm Screw
OE:MS-480012,01651-00481,74798-S9000, 90189-06042, 90661-SC7-003, H001-50-841



10

716864
Screw Grommets
17mm Stem
18mm Head Dia.
8.5mm Square Hole
5mm Screw
OE:MB-098145, 01281-00028, 90189-06001



25

717611
Screw Grommets
9.5mm W; 9.5mm L
7mm Square Hole
4mm Screw
White Nylon
OE:MS-480001,75522-611-0000, 97606-B0700,9991-00-412



25

716793
Headlamp Bezel & Grille Nuts
12mm W, 12mm L
8 X 9mm Hole
5mm Screw
Natural Nylon
OE: MS-480002, 90189-05013, 94841764



5

720556
License Plate Nuts
Fits: 3/8 Hole
1/4 (No. 14) Screw
Door Lock Remote Control
Natural Nylon
OE:6027958



7

720637
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Black Nylon
OE:MR328954,01553-09321

Illustrations are actual size unless otherwise noted.

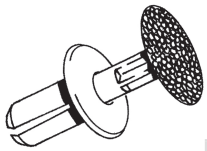


12

720901

Drive Type Retainers

Head Dia: 20mm
Stem Dia: 11mm
Fits:8mm Hole
Front Fender & Bumper Support
OE:MU000319, 91512-SX0-003

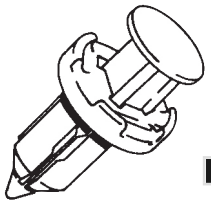


7

723207

Drive Type Retainers

Head Dia: 14mm
Stem Dia: 12mm
Fits:7mm Hole
Bumper Cover & Garnish
OE:MR478262

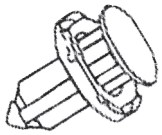


12

723208

Drive Type Retainers

Head Dia: 18mm
Stem Dia: 12mm
Fits:9mm Hole
Fender & Bumper
OE:MR200300



7

723095

Push Type Retainers

Head Dia: 18mm
Stem Dia: 12mm
Fits:9mm Hole
Fender & Bumper
OE:MR200300

SUBARU

Illustrations are actual size unless otherwise noted.



12

725406
Weatherstrip Clips
Bottom Head Dia: 5mm X 14mm
Top Head Dia: 7mm
Stem Dia: 8.5mm
White Nylon
OE:90331-AA050



12

725407
Weatherstrip Clips
Bottom Head Dia: 9mm
Top Head Dia: 6.5mm
Stem Dia: 13mm
Black Nylon
OE:90331-GA090



12

725361
Grille Clips
Overall Hgt: 27mm

Gray Nylon
OE:91017-FA080



12

725362
Grille Clips
Top Head: 15.5mm X 11mm
Bottom Head:19.5mm X 14mm
Stem Length: 11mm
Black Nylon
OE:91059-FC090



12

725365
Rocker Panel Moulding Clips
Bottom Head Dia: 17mm
Top Head Dia: 11mm X 14mm
Stem Dia: 9.7mm
Stem Length: 12mm
OE:90913-0109



12

725366
Moulding Clips
Top Head: 11mm X 15mm
Bottom Head:14mm X 22.5mm
Stem Length: 13mm
Overall Hgt: 24mm
OE:91059-FC041



12

725367
Moulding Clips
Top Head: 9mm X 11mm
Bottom Head: 14mm X 17mm
Stem Length: 11mm
Upper Front Bumper Exten.
OE:57160-FC010



12

725368
Moulding Clips W/ Sealer
Fits: 9mm Hole
Top Head: 11mm X 14mm
Bottom Head: 17mm
Stem Length: 12mm
OE:91059-FC030



12

725369
Moulding Clips W/ Sealer
Top Head: 11mm X 14mm
Bottom Head: 17mm
Stem Dia: 10mm
Stem Length: 11mm
OE:90913-0008



12

725370
Moulding Clips W/ Sealer
Head Size: 21.5mm X 24mm
Stem Dia: 14.5mm
Stem Length: 17mm
White Nylon
OE:91059-FC110



12

725363
Grommets
Fits: 7mm Hole
Head Size: 14mm
Stem Length: 7mm
Cowl & Dash Grommet
OE:91486-KJ000



12

725364
Grommets W/ Sealer
Fits: 8mm Hole
Head Size: 17.5mm
Stem Length: 15mm
Cowl Top, Quarter Glass, Ext.
OE:91167-AA000



12

725401
Screw Grommets
Fits: 7mm Square
Screw Size: M4.8 (No. 10)
Head Size: 12mm
Stem Length: 15mm
OE:90930-0015



12

725402
Screw Grommets
Fits: 8mm Square Hole
Screw Size: M4.8 (No. 10)
Head Size: 13mm
Stem Length: 8mm
OE:94081-FA010



12

725403
Screw Grommets
Fits: 8mm Square Hole
Screw Size: M3.5 (No. 6)
Head Size: 11 X 11mm
Stem Length: 10mm
OE:62731-FA010



12

725404
Screw Grommets W/ Sealer
Screw Size: M4.8 (No. 10)
Head Size: 16mm X 16mm
Stem Length: 19mm
Rear Bumper Reinforce Beam
OE:57750-FC010

SUBARU

Illustrations are actual size unless otherwise noted.



10

725405
Screw Grommets W/ Sealer
Screw Size: M5.5 (No. 12)
Head Size: 20mm
Stem Length: 18mm

OE:91084-AA010



12

725372
Nylon Nuts
Screw Size: M4.8 (No. 10)

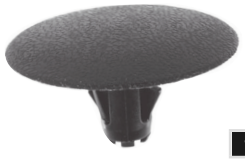
Head Size: 14mm X 14mm
Stem Length: 7mm
OE: 66117-9000, 90930-0007



12

725373
Nylon Nuts
Fits: 7mm X 7mm Hole
Screw Size: M3.5 (No. 6)
Head Size: 10mm X 10mm
Stem Length: 5mm

OE:62731-FA000



10

725392
Retainers
Head Size: 30mm
Stem Dia: 6.5mm
Stem Length: 13mm
Black Nylon

OE:90814-FC001



12

725394
Retainers
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 11mm

OE:90913-0034



12

725395
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.3mm
Stem Length: 10mm

OE:69300-5370



10

725398
Retainers W/ Sealer
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm

OE:90913-0213



12

725400
Retaining Clips
Head Size: 9.3 X 14.5mm
Stem Dia: 7mm
Stem Length: 16mm
Front Hood Cowl

OE:91167-FA010



12

725371
Moulding Retainers W/ Sealer
Bottom Head Dia: 18mm
Top Head Dia: 11mm X 15mm
Stem Dia: 9.7mm
Stem Length: 12mm

OE:90913-0007



10

725393
Hood Insulation Retainers
Bottom Head Dia: 30mm
Top Head Dia: 7.7mm
Stem Dia: 13mm
Black Nylon

OE:90913-0074



12

725396
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 7.7mm
Stem Dia: 15mm
Black Nylon

OE:99045-AE03AMA



12

725397
Retainers
Bottom Head Dia: 20mm
Top Head Dia: 6mm
Stem Dia: 22mm
Black Nylon

OE:95022-AC040ML



10

725374
Push Type Retainers
Head Dia: 21mm
Stem Dia: 15mm
Fits: 10mm Hole
Black Nylon

OE:90914-0007



10

725375
Push Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 7mm Hole
Black Nylon

OE:90914-0051



10

725376
Push Type Retainers
Head Dia: 20mm
Stem Dia: 12mm
Fits: 7mm Hole
Black Nylon

OE:90914-0063



5

725377
Push Type Retainers
Head Dia: 25mm
Stem Dia: 12mm
Fits: 11mm Hole
Shoulder: 3mm

OE:90914-0055

SUBARU

Illustrations are actual size unless otherwise noted.



10

725378
Push Type Retainers
Head Dia: 18mm
Stem Dia: 10mm
Fits: 8mm Hole
Black Nylon
OE:90913-0067



12

725379
Push Type Retainers
Head Dia: 20mm
Stem Dia: 15mm
Fits: 10mm Hole
Black Nylon
OE:90913-0059



12

725380
Push Type Retainers
Head Dia: 16mm
Stem Dia: 13mm
Fits: 7mm Hole
Black Nylon
OE:91085-TA030



12

725381
Push Type Retainers
Head Dia: 14mm
Stem Dia: 15mm
Fits: 10mm Hole
Black Nylon
OE:57160-FC000



12

725382
Push Type Retainers
Head Dia: 16mm
Stem Dia: 11mm
Fits: 6mm Hole
Black Nylon
OE:90914-0012



12

725383
Push Type Retainers
Head Dia: 20mm
Stem Dia: 10mm
Fits: 8mm Hole
Black Nylon
OE:59122-FA010



12

725384
Push Type Retainers
Head Dia: 22mm
Stem Dia: 28mm
Fits: 10mm Hole
Black Nylon
OE:57750-AA090



12

725385
Push Type Retainers
Head Dia: 20mm
Stem Dia: 12mm
Fits: 7mm Hole
Black Nylon
OE:59122-AC030



12

725386
Push Type Retainers
Head Dia: 9mm
Stem Dia: 7mm
Fits: 4mm Hole
Black Nylon
OE:90913-0003



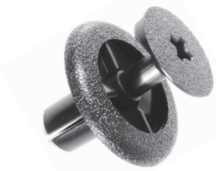
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725387
Push Type Retainers
Head Dia: 20mm
Stem Dia: 11mm
Fits: 7mm Hole
Black Nylon
OE:90914-0052



10

725388
Push Type Retainers
Head Dia: 15mm
Stem Dia: 8mm
Fits: 7mm Hole
Black Nylon
OE:46064-AE000



10

725389
Push Type Retainers
Head Dia: 20mm
Stem Dia: 11mm
Fits: 7mm Hole
Black Nylon
OE:90913-0051



10

725390
Push Type Retainers
Fits: 8mm Hole
Top Head: 25mm
Bottom Head: 21mm
Stem Length: 9mm
OE:94415-FA000NE



12

725391
Push Type Retainers
Head Dia: 25mm
Stem Dia: 16mm
Fits: 11mm Hole
Shoulder: 3mm
OE:90914-0002



12

725399
Trim Panel Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 9 X 9.5mm
OE:94078-FA080



10

725360
Cowl Panel Vent Caps
Top Head: 16mm X 18mm
Bottom Head: 14mm
Stem Length: 12mm
Black Nylon
OE:91486-KJ010

Illustrations are actual size unless otherwise noted.



10

725243

Push Type Retainers

Head Dia: 15mm
Stem Dia: 11mm
Fits:6mm Hole
Black Nylon
OE:MR288150

VW / AUDI

Illustrations are actual size unless otherwise noted.



716307
Door Panel Trim Clips
Fits: 8mm Hole

OE:N90282401



725351
Metal Moulding Clips
Overall Hgt: 22mm
Black Spring Steel

OE:4A0-867-276



725533
Hood Prop Rod Clips
Fits: 7mm Square Hole
Head Size: 15mm
8mm Rod Size
Black Nylon
OE:6N0-823-397-AC



725534
Hood Prop Rod Clips
Fits: 7mm Square Hole
Stem Length: 10mm
8mm Rod Size
Natural Nylon
OE:1H0-823-397



725536
Moulding Clips
Top Head: 11.6mm X 15mm
Bottom Head: 11mm
Stem Dia: 6mm
Stem Length: 14mm
OE:191-853-577-A



725537
Moulding Clips
Stem Length: 10mm
Overall Length: 38.5mm
34mm Width; Door
With Blue Rubber Grommet
OE:1H0-853-585



725538
Moulding Clips
Stem Length: 18mm
Overall Length: 38.5mm
34mm Width; Door
With Blue Rubber Grommet
OE:1H0-853-585-B



725539
Moulding Clips
Stem Length: 11mm
Overall Length: 40mm
23mm Width; Quarter Panel
With Blue Rubber Grommet
OE:1H0-853-585-A



725540
Moulding Clips
8mm Width
Overall Length: 31mm

White Nylon
OE:191-853-733-A



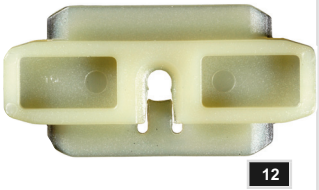
725541
Moulding Clips
24.5mm Width
Stem Length: 12mm
Overall Length: 27mm
With Blue Rubber Grommet
OE:3B0-853-576



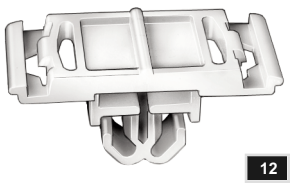
725542
Moulding Clips
16mm Width
Stem Length: 13mm
Overall Length: 17mm
With Blue Rubber Grommet
OE:3A0-853-575-A



725543
Moulding Clips
17.5mm Width
Stem Length: 12mm
Overall Length: 21mm
With Blue Rubber Grommet
OE:3B0-853-575



725544
Moulding Clips
20mm Width
Overall Length: 41.5mm
Frnt Door, Fender, Quarter Panel
Natural Nylon
OE:443-853-909-A



725545
Moulding Clips
22mm Width
Overall Length: 35mm
Overall Hgt: 16mm
Frnt Door, Fender, Quarter Panel
OE:4A0-853-825



725546
Moulding Clips
22mm Width
Overall Length: 35mm
Front & Rear Door
White Nylon
OE:4A0-853-825-A



725547
Moulding Clips
Head Size: 12mm X 15mm
Stem Dia: 10mm
Stem Length: 19mm
Door & Trim Scuff Plate
OE:191-853-577

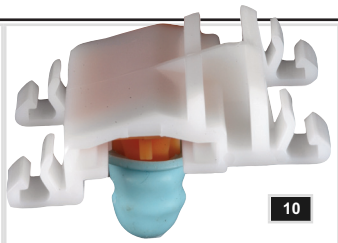
VW / AUDI

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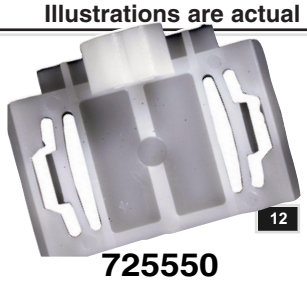
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725548
Moulding Clips
Fits: 10mm Hole
10mm Wide, Stem Lngth: 11mm
Overall Length: 28.5mm
Rocker Panel
OE:7L0-839-069



10

725549
Moulding Clips
35mm Wide; Stem Lngth: 14mm
Overall Length: 38mm
Door, Fender, Quarter Panel
W/ Blue Rubber Boot
OE:3A0-853-575



12

725550
Moulding Clips
26mm Width, Stem Length: 6mm
Overall Length: 34.5mm
Rear Door
White Nylon
OE:4A0-853-825-C

Smaller than Actual Size



12

725579
Moulding Clips
25mm Width
Overall Length: 40mm
8mm Thickness
White Nylon
OE:6Q0-868-246-A



12

725580
Moulding Clips
Fits: 9mm Hole
Top Head: 13mm X 16mm
Bottom Head: 14mm
Stem Length: 13mm
OE:3C0-853-585



12

725352
Moulding Grommets
Overall Hgt: 16mm
20mm Overall Width
Black Nylon
OE:4A0-805-163



25

725551
Moulding Grommets
Flange: 13mm
Overall Length: 12mm
7mm ID
Blue Rubber
OE:1H0-853-586



12

725574
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 7mm X 12.5mm
Stem Length: 11mm
Black Nylon
OE:811-807-577-C



12

725575
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 12mm
Stem Length: 12.5mm
Black Nylon
OE:867-809-966



12

725576
Screw Grommets
Screw Size: M4.2 (No. 8)
Head Size: 11mm
Stem Length: 13mm
Natural Nylon
OE:165-827-592



12

725577
Screw Grommets
Fits: 6.5 X 8mm Hole
Screw Size: M4.8 (No.10)
Head Size: 12mm
Stem Length: 15mm
OE:6N0-809-966A



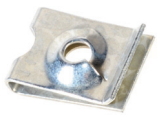
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725532
Headlight Nuts
Fits: 10mm
Head Size: 14mm X 18.5mm
Overall Length: 15mm
Headlight Adjusting Nut
OE: 191-941-142



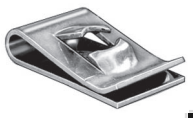
12

725552
Moulding Nuts
Flange: 18.5mm
Overall Hgt: 10.5mm
5mm Stud Size; 10mm Hex
Flange Nut
OE:171-201-969



25

716803
"U" Speed Nuts
4.2mm Screw
7mm Depth
.7 - 1.6mm Panel Range
7mm Center Of Hole To Edge
OE: N15.422.2



25

716808
"U" Speed Nuts
4.8mm Screw
9mm Depth
.9 - 2mm Panel Range
8mm Center Of Hole To Edge



12

725531
Retainers
Head Size: 14mm
Stem Dia: 7mm X 9mm
Stem Length: 18mm
Door Side Panel, Luggage Compart.
OE:801-867-299-01C

VW / AUDI

Illustrations are actual size unless otherwise noted.



725535
Locking Pin Retainers
Head Size: 15.7mm
Overall Length: 27mm
Shoulder Dia: 8.8mm
Shoulder Len: 6.5mm
OE:N90565301,N90642001



725562
Retainers
Bottom Head Dia: 19mm
Top Head Dia: 28mm
Stem Dia: 9mm
Green & Black Nylon
OE:1H0-868-243



725564
Interior Trim Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13.5mm
Stem Dia: 9mm
Stem Length: 14mm
OE:703-867-299



725566
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 14mm
OE:7L5-853-994



725567
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12mm
Stem Dia: 10mm
Stem Length: 12mm
OE:357-853-585-A



725569
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12mm
Stem Dia: 10mm
Stem Length: 16mm
OE:357-853-575



725570
Retainers
Head Size: 25mm
Stem Length: 22mm
Front Fender, Bumper & Engine
Black Nylon
OE:4A0-805-121-A



725572
Retainers
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 11mm
OE:8E0-867-276



725590
Retainers
Top Head: 13mm
Bottom Head: 17.5mm
Stem Dia: 10mm
Stem Length: 16mm



725530
Retainers
Head Size: 23mm
Stem Dia: 11mm
Stem Length: 16mm
Radiator Grille, Scuff Plate
OE:1H0-867-199-01C



725561
Retainers
Bottom Head Dia: 23mm
Top Head Dia: 6.5mm
Stem Dia: 16mm
Black Nylon
OE:1H0-819-055-B01C



725565
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12mm
Stem Dia: 9.5mm
Stem Length: 12mm
OE:171-807-249-A



725571
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12mm
Stem Dia: 10mm
Stem Length: 20mm
OE:357-853-585



725553
Push Type Retainers
Head Dia: 12mm
Stem Dia: 11mm
Fits: 8mm Hole
Dark Gray Nylon
OE:N038-550-1



725554
Push Type Retainers
Head Dia: 16mm
Stem Dia: 15mm
Fits: 8mm X 8mm Hole
Black Nylon
OE:1H0-819-055-C01C



725555
Push Type Retainers
Head Dia: 24mm
Stem Dia: 13mm
Fits: 9mm X 9mm Hole
Black Nylon
OE:1H0-867-199-A

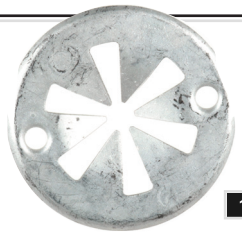
VW / AUDI

Illustrations are actual size unless otherwise noted.



12

725556
Push Type Retainers
Head Dia: 18.5mm
Stem Dia: 11mm
Fits: 9mm Hole
Gray Nylon
OE:701-867-299



12

725557
Push Type Retainers
5mm Stud Size
Radiator Support & Splash Shie
30mm OD
Dacromet
OE:N90-796-501, N90-796-502, 441-863-987-B



12

725558
Push Type Retainers
5mm Stud Size
Splash Shield & Wheel Well
30mm OD
Dacromet
OE:N90-335-006



12

725559
Push Type Retainers
Head Dia: 14mm
Stem Dia: 10mm
Fits: 8.5mm Hole
Black Nylon
OE:333-867-633-4FB



10

725560
Push Type Retainers
Head Dia: 22.5mm
Stem Dia: 8mm
Fits: 8mm Hole
Black & White Nylon
OE:6Q0-868-243



12

725563
Trim Panel Retainers
Bottom Head Dia: 28.5mm
Top Head Dia: 9.5mm
Stem Dia: 11mm
Tan & White Nylon
OE:1H0-868-243-B



10

725573
Trim Panel Retainers
Top Head: 16mm
Bottom Head: 16mm
Stem Dia: 10mm
Stem Length: 9mm
OE:6Q0-868-297



12

725578
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 22m
Stem Dia: 9mm
Stem Length: 11mm
OE:6K0-868-243-C



12

725568
Weatherstrip Retainers
Bottom Head Dia: 6mm X 15mm
Top Head Dia: 7.5mm
Stem Dia: 17mm
Black Nylon
OE:1H0-837-719



12

725350
Rivets
Diameter: 6mm
Grip: 2.0 - 8.5mm
Flange: 13mm
Natural Nylon
OE:N908-131-01



25

716887
Metric Hex Nuts
M6-1.00
16mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE: N90100001, 11503752, 11505329



12

725103
Retainers
Top Head: 13mm
Bottom Head: 17.5mm
Stem Dia: 10.5mm
Stem Length: 15mm
OE:1008068, 7M0-867-299-K, 7M3-867-299, DYC500020



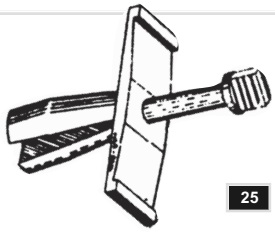
25

716357
Trim Panel Retainers
Bottom Head Dia: 19mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:175-867-299,8 934-201-681



25

718230
Door Trim Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 11/16
OE:N98905101, 385661-S, 4005470, 6003349, 6032363, 9685057



25

718743
Push Type Retainers
8 X 27mm Head
Fits: 8mm Hole
Grille Attachment
OE:175-853-695A,14015161



12

725203
Retaining Pins
Head Size: 15mm X 15mm
Overall Length: 31mm
Rear Entry Scuff Plate
Black Nylon
OE:2D1-867-741, A901-988-00-25

VW / AUDI

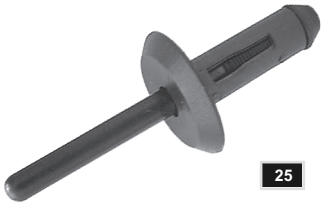
Illustrations are actual size unless otherwise noted.



817106

Nylon Blind Rivets

13/64 (5mm) Hole Dia.
Grip Range: 1/8-15/64 (3-6mm)
15/32 (12mm) Head Dia.
Automotive OEM Approved
OE:175-853-577, 20432975, 6500899



817113

Nylon Blind Rivets

17/64 (6.75mm) Hole Dia.
Grip Range: 3/32-3/16 (2.5-4.75mm)
23/32 (18mm) Head Dia.
Automotive OEM Approved
OE:175-853-577A,20433026

OTHER MANUFACTURERS

Illustrations are actual size unless otherwise noted.

LAND ROVER



12

725102
Moulding Clip
Top Head: 12.5mm
Middle Head: 15mm
Bottom Head: 15mm
Stem Dia: 10.2mm
OE:DYC101420

VOLVO



12

725510
Moulding Clips
Fits: 8mm Hole
Top Head: 16mm
Middle Head: 17.5mm
Bottom Head: 17mm
OE:30624192

VOLVO



12

725511
Moulding Clips
Fits: 8mm Hole
Top Head: 15mm X 17mm
Bottom Head: 9mm X 16mm
Stem Length: 11mm
OE:30784514

VOLVO



12

723155
Screw Grommets
14mm Flange
0.7 - 2.5mm Panel Range
Fits: 9mm Square Hole
Front Bumper
OE:1318908-9

RENAULT



25

718100
Moulding Clips
Bottom Head Dia: 1/2
Top Head Dia: 9/32
Stem Dia: 11/16
Rear Window
OE:7703-077-066

LAND ROVER



12

725103
Retainers
Top Head: 13mm
Bottom Head: 17.5mm
Stem Dia: 10.5mm
Stem Length: 15mm
OE:1008068, 7M0-867-299-K, 7M3-867-299, DYC500020

VOLVO



12

725512
Retainers
Top Head: 13mm
Middle Head: 13mm
Bottom Head: 17mm
Stem Dia: 8mm
OE:30653441

FIAT



12

724810
Retainers
Head Size: 20mm
Stem Dia: 8mm
Stem Length: 23mm
Black Nylon
OE:14592087

FIAT



12

724811
Retainers
Head Size: 20mm
Stem Dia: 8mm
Stem Length: 23mm
Gray Nylon
OE:14592086

LAND ROVER



12

725100
Retainers
Head Size: 14mm
Stem Dia: 6mm
Stem Length: 17mm
Side Door Trim Panel
OE:MWC9134

LAND ROVER



10

725101
Retainers
Head Size: 10.7mm
Stem Dia: 5.8mm
Stem Length: 14mm
Door Panel
OE:MXC1800

RENAULT



12

725330
Retainers
Head Size: 13mm
Stem Dia: 7mm
Stem Length: 15mm
Black Nylon
OE:77-03-077-080

RENAULT



12

725331
Retainers
Head Size: 15mm
Stem Dia: 8mm
Stem Length: 17mm
Black Nylon
OE:77-03-077-231

RENAULT



12

725332
Retainers
Head Size: 35mm
Stem Dia: 10 X 10.5mm
Stem Length: 22mm
Black Nylon
OE:77-03-077-435

RENAULT



12

725333
Retainers
Head Size: 35mm
Stem Dia: 10.5mm
Stem Length: 22mm
Black Nylon
OE:77-03-077-225

RENAULT



12

725335
Retainers
Head Size: 13mm
Stem Dia: 7mm
Stem Length: 17mm
White Nylon

OTHER MANUFACTURERS

Illustrations are actual size unless otherwise noted.

SUZUKI



12

725420
Hood Insulation Retainers
Head Size: 24mm
Stem Dia: 6mm X 6mm
Stem Length: 13mm
Black Nylon
OE:09409-06309-5ES

RENAULT



12

725334
Push Type Retainers
Fits: 8mm Hole
Head Size: 18mm
Stem Length: 14mm
Black Nylon
OE:77-03-072-360

ISUZU



25

717616
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:894-226-4920,67771-01010, 67771-12010F, 9927-40-825

VOLVO



7

720525
Rivets
5/32 (4mm) Rivet
15/32 (12mm) Flange
Bumper & Wheel Housing
1/8 - 11/32 (3 - 8.5mm) Grip
OE:979878-6

JAPANESE



25

724601
Metric Trim Screws
6.3mm-1.81 X 16mm
15mm (19/32) Head
Phillips Truss Head
Black Phosphate

ISUZU



15

718711
Screw Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 11mm
Fits:6mm Hole
Black Nylon
OE:894-298-1190, 10998-30880, 90684-SA5-003

RENAULT



12

725566
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 14mm
OE:7L5-853-994

SCION



25

724134
Bumper Cover Retainers
Bottom Head Dia: 19mm
Top Head Dia: 7.5mm
Stem Dia: 16mm
Fits: 6.35mm Hole
OE:90467-A0008

DACIA



12

725330
Retainers
Head Size: 13mm
Stem Dia: 7mm
Stem Length: 15mm
Black Nylon
OE:77-03-077-080

DACIA



12

725331
Retainers
Head Size: 15mm
Stem Dia: 8mm
Stem Length: 17mm
Black Nylon
OE:77-03-077-231

DACIA



12

725332
Retainers
Head Size: 35mm
Stem Dia: 10 X 10.5mm
Stem Length: 22mm
Black Nylon
OE:77-03-077-435

DACIA



12

725333
Retainers
Head Size: 35mm
Stem Dia: 10.5mm
Stem Length: 22mm
Black Nylon
OE:77-03-077-225

DACIA



12

725335
Retainers
Head Size: 13mm
Stem Dia: 7mm
Stem Length: 17mm
White Nylon

OPEL



10

725202
Push Type Retainers
Fits: 8mm Hole
Head Size: 16mm
Stem Length: 11mm
Black Nylon
OE: 000-990-29-92, 000-990-60-92, 001-990-16-92, 114-990-01-92, 1104882, 1268642, 1719245, 9133417

VOLVO



10

725202
Push Type Retainers
Fits: 8mm Hole
Head Size: 16mm
Stem Length: 11mm
Black Nylon
OE: 000-990-29-92, 000-990-60-92, 001-990-16-92, 114-990-01-92, 1104882, 1268642, 1719245, 9133417

DACIA



12

725334
Push Type Retainers
Fits: 8mm Hole
Head Size: 18mm
Stem Length: 14mm
Black Nylon
OE:77-03-072-360

OTHER MANUFACTURERS

Illustrations are actual size unless otherwise noted.

OPEL



716811
"U" Speed Nuts
6.3mm Screw
13mm Depth
.7 - 1.5mm Panel Range
13mm Center Of Hole To Edge
OE:20-72-175, 000-994-09-45, 946-418

VOLVO



716811
"U" Speed Nuts
6.3mm Screw
13mm Depth
.7 - 1.5mm Panel Range
13mm Center Of Hole To Edge
OE: 946-418, 000-994-09-45, 20-72-175

INTERCHANGES

Illustrations are actual size unless otherwise noted.

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OEM to PART NUMBER INTERCHANGE

OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
6983.17	725312	2524525	717167	5973996	718646	6503819	720754
6992.31	725316	2964547	720382	6000720	516259	6504043	720380
45267	717106	2968521	717251	6000943	717322	6504072	720981
152273	717104	3065575	717163	6003349	718230	6504090	718730
332364	716319	3071437	717469	6003351	717131	6504090	723025
363137	716315	3078511	717320	6004212	817120	6504452	720739
365718	717471	3081052	717713	6010046	516259	6504521	720608
367291	717034	3454220	717707	6027958	720556	7693140	717223
367292	717033	3454221	717708	6030441	717130	7698976	717222
378668	717716	3533539	527104	6031115	52727	8717859	717226
380382	718899	3540161	527104	6031321	716319	8736586	717223
385677	720499	3691590	716319	6031383	718738	8763591	717222
389358	716319	3744999	516259	6031390	718728	9114472	724951
407217	717255	3760130	717709	6032138	527117	9133417	725202
411700	716339	3760131	717710	6032235	718228	9423101	723028
469716	717713	3783006	702555	6032363	718230	9428196	716224
469718	717716	3786805	717107	6032516	716635	9428481	511118
472434	718728	3861577	716333	6032832	718227	9431530	720216
474821	717033	3907444	702559	6032926	527102	9431647	511120
480534	718728	3960314	717250	6033854	718891	9431911	717522
588546	717103	3977775	717320	6034212	723182	9431911	717588
1008068	725103	3986997	717254	6100047	720297	9432137	527117
1016937	724602	4000141	718899	6100049	720299	9432552	527111
1104882	725202	4004569	716319	6100539	720157	9433043	717481
1268642	725202	4005091	718840	6100566	720164	9433155	720217
1480627	720237	4005470	718230	6100567	717463	9433156	720218
1494252	720237	4005513	717131	6100568	717464	9433186	724013
1494253	717107	4005540	716409	6101283	717271	9436175	52727
1494254	717109	4005791	52727	6500859	817107	9437486	527102
1494257	717106	4006529	716313	6500899	817106	9437643	723019
1494258	717108	4200408	716864	6500911	817110	9439576	527112
1500371	717477	4200408	716894	6501067	718226	9439719	527108
1564189	717255	4234830	717719	6501086	716350	9440392	527113
1605396	717130	4341060	716314	6501086	720059	9616231	716221
1619321	718618	4370138	817118	6501178	716897	9685057	718230
1631564	716309	4381395	716350	6501301	720377	9721917	717166
1633999	718725	4381395	720059	6501559	817111	9731301	716409
1636632	718729	4533699	717219	6501590	718427	9818648	52616
1640810	717451	4658673	720375	6501948	720381	9854717	717226
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1689827	717182	4658677	717708	6502078	717130	10008002	717108
1690410	718656	4676356	720523	6502104	720384	10009923	503157
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1719245	725202	4755299	702559	6502871	718716	10037786	720194
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10082036	720137	11501850	717287	11504499	720143	11571175	724891
10082553	720335	11501884	724600	11504531	720217	11571175	724901
10109689	817130	11501889	717270	11504570	717459	11588308	724907
10114597	716101	11501927	717492	11505022	723356	11588441	724913
10114597	716119	11501932	717485	11505023	723355	11588650	724232
10120517	718811	11501937	717491	11505044	720187	11588863	724188
10125439	527110	11502449	717450	11505045	718942	11589176	724510
10130851	720140	11502540	720327	11505329	716887	11589289	724205
10131511	723182	11502605	717269	11505773	718807	11589290	724138
10139822	720669	11502607	720141	11505816	720151	11589291	724206
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10155743	718811	11502617	717271	11507036	717270	11589293	724139
10157547	527105	11502624	717269	11508241	717262	11589294	724209
10157900	720333	11502630	716223	11508248	716819	11589295	724210
10169777	720379	11502635	720304	11509096	720193	11589296	724211
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10287971	716344	11502785	717266	11509511	717269	11609385	717262
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11500661	717482	11503736	717493	11561500	724948	11612122	724956
11500662	717274	11503745	717260	11561654	724916	12160858	723304
11500662	717483	11503752	716887	11561857	724513	12337868	717719
11500747	717265	11503753	717475	11561874	724908	12337873	717109
11500754	717470	11503785	717259	11561878	724603	12337915	817130
11500961	717263	11503800	723276	11561987	724945	12337920	716336
11500969	717268	11503823	717467	11562250	724901	12338011	716101
11500970	717472	11503834	720184	11562503	724941	12338011	716119
11500996	723355	11503892	717451	11562568	724954	12338015	717256
11501102	717473	11503957	718261	11569700	724953	12338074	717363
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OEM to PART NUMBER INTERCHANGE

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14013246	718604	15958694	717130	20433026	817113	25016383	716316
14015161	718743	15960325	724129	20451119	718672	25517947	718671
14015876	716820	15960621	720585	20451401	716317	25524005	817123
14019205	718730	15964971	717363	20452072	817111	25531999	724526
14019205	723025	15964972	717364	20455900	716303	25618730	527109
14019206	718730	15967691	717397	20465395	817120	25631448	720754
14019206	723025	15969147	724133	20480475	716342	25648693	723017
14019226	718739	15975244	720371	20490398	716822	25680782	720669
14027471	718627	15989431	724921	20510029	718679	25691949	723180
14032200	718742	15993201	720333	20514862	716322	25704001	723180
14039420	718740	15994165	723308	20582532	716647	25704358	724940
14044215	718670	16500283	718647	20585900	720152	25705182	724870
14045480	718662	16514113	718730	20612732	817121	25732397	724146
14051674	717719	16514113	723025	20633148	716647	25742293	724534
14063981	817110	16629990	721051	20687704	718729	25744385	724893
14066728	717256	16632192	717364	20699808	716424	25749564	724931
14071289	718739	16632193	717363	20709017	720372	25774893	724892
14074081	716351	16675980	721051	20713843	527101	25775903	724889
14078435	52791	19260056	724872	20729523	720373	25796285	724900
14090382	718932	19260058	724886	20732399	716319	25803643	724944
14093088	718423	19260060	724885	21030249	724133	25822063	724915
14093311	716319	19260061	724883	21035345	723013	25922739	724890
14101262	718734	19260063	724876	21042958	716337	30006620	720807
14592086	724811	19260663	724881	21075686	724603	30624192	725510
14592087	724810	20003056	723212	21077123	720917	30653441	725512
15002519	717485	20003056	723231	21077575	724606	30784514	725511
15022087	720677	20008799	717714	21094146	720377	34201287	720182
15056810	723024	20030401	718616	21095797	724116	34201621	718730
15153415	720586	20032850	716333	22189414	723196	34201621	723025
15296830	724207	20035600	716220	22512276	716323	34202335	720374
15506827	817129	20064875	718615	22527720	716352	34202672	718679
15562609	717364	20073750	718812	22531616	717274	88891731	717397
15588024	716301	20083312	720186	22531616	717483	88970494	723317
15591860	717397	20123070	716101	22535007	718744	88970747	720632
15595172	817112	20123070	716119	22538004	720025	88970767	723368
15596301	716301	20158344	717716	22585836	720667	88973676	723317
15600382	718657	20184399	52729	22641917	720667	89025539	723290
15614746	724555	20319841	718654	22690838	724910	89026634	724929
15653790	720999	20325696	527114	22691056	724514	89026635	724934
15672183	720998	20328600	716101	22699649	723364	92139147	724959
15679091	718716	20328600	716119	22704458	723364	94051993	718710
15681408	718733	20351035	720184	22713392	723364	94198687	718720
15683327	724879	20374473	716336	22718305	716305	94530385	724887
15691493	717363	20421672	817112	22718305	716306	94530742	724888
15691595	717397	20421800	718657	22718369	724914	94841764	716793
15733971	721034	20423550	716219	22722859	723364	94842841	716329
15748479	723029	20423647	817105	22722860	723364	94849113	716329
15802005	724917	20429451	716338	24405739	724897	94853733	720550

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OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
94854203	720630	01553-06071	725284	1H0-837-719	725568	388577-S	717130
94858509	720632	01553-08231	725283	1H0-853-585	725537	388664-S100	52794
94858560	720782	01553-08911	725273	1H0-853-585-A	725539	388904-S	716350
95005064	716343	01553-08961	725288	1H0-853-585-B	725538	388904-S	720059
95008221	720776	01553-09241	720796	1H0-853-586	725551	388908-S	716325
95008221	720807	01553-09321	720637	1H0-867-199-01C	725530	388930-S	716321
95230842	724911	01553-09611	723186	1H0-867-199-A	725555	389144-S	718415
790184000	716848	01553-09791	725289	1H0-868-243	725562	389268-S100	52729
000-904-24-45	716804	01553-2U001	725294	1H0-868-243-B	725563	389443-S	716349
000-990-29-92	725202	01553-S3500	716308	1R3Z-18D434-BA	724822	390017-S2	716219
000-990-60-92	725202	01651-00481	716857	20-72-175	716811	390523-S	716644
000-991-59-40	725201	06509673AA	724787	201-990-05-36	725204	3A0-853-575	725549
000-994-04-45	716805	07-13-1-480-419	725222	230-990-01-92	724517	3A0-853-575-A	725542
000-994-06-45	716809	07-13-2-757-821	725221	24225-89960	725264	3B0-853-575	725543
000-994-09-45	716811	07-13-7-073-915	725220	26398-ED000	725063	3B0-853-576	725541
000-994-14-45	716807	07-14-7-122-913	724749	26557-2U001	725294	3C0-853-585	725580
001-988-44-81	725194	07-14-9-158-194	724755	2D1-867-741	725203	3M8Z-16K262-A	724820
001-988-46-81	725196	0711-9-916-945	716807	333-867-633-4FB	725559	3M8Z-17C432-A	724844
001-988-49-81	725190	0712-9-925-706	716802	34301-692A-0000	716870	4389940-AB	724779
001-988-50-81	725193	0712-9-925-708	716804	357-853-575	725569	4389947-AA	724785
001-988-60-81	725198	0712-9-925-720	716810	357-853-585	725571	441-863-987-B	725557
001-988-63-81	725199	0712-9-925-737	716809	357-853-585-A	725567	443-853-909-A	725544
001-988-80-81	725195	09409-06309-5ES	725420	372820-S36	52792	45265-S2	717109
001-990-16-92	725202	0K95A-68615	725084	372820-S40	52792	45268-S2	717108
001-994-98-45	725205	10116-41810	718736	375373-S	716311	46064-AE000	725388
003-990-02-51	724743	10998-30880	718711	379830-S	717149	47749-50090	725122
003-990-94-97	724512	11296-AG000	724027	380707-S	702563	4784018-AA	724773
004-990-16-97	725206	114-990-01-92	725202	381801-S2	716219	4806271-AA	724774
006-988-89-78	725191	123-994-08-45	724094	381863-S2	720217	4860379-AA	724553
007-988-71-78	725197	124-988-04-78	725192	383033-S101	717216	4878883AA	720907
01241-00881	725279	124-988-94-78	725200	383035-S100	717215	4A0-805-121-A	725570
01281-00022	716795	124-990-04-92	724509	383142-S	718912	4A0-805-163	725352
01281-00028	716864	124-990-04-92	724546	384930-S36	718920	4A0-853-825	725545
01281-0005U	725267	1318908-9	723155	384939-S47	716221	4A0-853-825-A	725546
01281-00151	716848	1395-68-676	718715	385188-S	718400	4A0-853-825-C	725550
01281-00161	716848	16-092-672-80	725310	385189-S100	52727	4A0-867-276	725351
01281-00501	725293	16-13-1-176-747	724743	385330-S	717131	4F1Z-9A317-AA	724821
01281-00691	725292	165-827-592	725576	385595-S	717319	5023111AA	720933
01281-00831	724030	171-201-969	725552	385661-S	718230	5023173AA	723336
01281-01321	725262	171-807-249-A	725565	386553-S	717319	51-11-1-942-789	724731
01553-00051	717610	175-853-577	817106	387258-S	716333	51-11-7-160-451	724742
01553-00172	717620	175-853-577A	817113	387477-S	717214	51-11-8-400-709	724754
01553-0038U	725282	175-853-695A	718743	387496-S	718430	51-12-7-004-445	724745
01553-01182	724028	175-867-299	716357	387843-S	718728	51-12-7-004-445	724753
01553-01251	716327	191-853-577	725547	387843S	718728	51-13-1-829-904	724740
01553-01A50	725290	191-853-577-A	725536	388020-S47	716228	51-13-1-960-054	724738
01553-02253	725291	191-853-733-A	725540	388020-S47X	716222	51-13-2-251-394	724736
01553-02913	725276	191-941-142	725532	388047-S100	52791	51-13-6-440-146	724740
01553-02923	725296	1H0-819-055-B01C	725561	388047-S102	527103	51-13-8-166-675	724737
01553-03101	718713	1H0-819-055-C01C	725554	388442-S100	52793	51-13-8-231-130	724739
01553-05131	725266	1H0-823-397	725534	388499-S	716318	51-32-1-938-884	724757

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OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
51-41-0-407-984	724751	57160-FC000	725381	65613-07010	725486	74798-S9000	716857
51-41-015-44-20	724732	57160-FC010	725367	65722-EA000	725268	75305-S0A-003	724147
51-41-700-16-29	724732	57472-S2	718894	65810-K2000	725269	75305-SHJ-003	724976
51-41-8-224-768	724751	57750-AA090	725384	65810-K2009	720967	75305-SM4-A01	724973
51-41-821-58-06	724755	57750-FC010	725404	65832-F5000	716326	75306-SZA-A01	724972
51-44-7-780-135	724756	59122-AC030	725385	65846-30F00	716326	75316-S9A-004	724705
51-45-030-47-03	724732	59122-FA010	725383	65846-4Z000	725286	75392-35220	725127
51-45-8-161-557	724733	5GUU9K11BA	724210	66117-9000	725372	75393-60030	725128
51-45-8-266-814	724734	5R3Z-54310D12-AAA	724540	66814-01G00	718727	75395-0T010	725446
51-45-816-52-60	724732	5R3Z-54310D12-BAA	724838	66820-61U00	725060	75521-611-0000	716790
51-46-7-002-606	724746	6036007AA	717130	66860-01W01	718710	75522-611-0000	717611
51-47-1-881-521	724735	6036148AA	723388	67771-01010	716343	75545-53010	725144
51-47-1-945-266	724753	61991-35010	725449	67771-01010	717616	75545-53011	725129
51-47-2-499-935	724735	61992-35010	725450	67771-06070	720546	75545-53011	725144
51-47-8-116-564	724735	622A2-9E000	724908	67771-12010F	717616	75819-33010	725443
51-47-8-166-992	724747	622A2-9E000A	724908	67771-12050	720807	75867-06030	725468
51-47-8-183-031	724735	62319-0W000	723096	67771-22010	716679	75867-33030	725473
51-48-8-181-420	724730	62731-FA000	725373	67771-22020	716680	75867-AA010	725473
51-71-7-002-953-2	724125	62731-FA010	725403	67771-30090	720776	75867-AC020	725456
51-71-7-127-742	725223	63844-01A00	718723	67771-32120	725142	76222-SP1-003	724704
51-71-8-184-574	724741	63844-01A99	718672	67771-58010	725445	76647-42010	725464
51-71-8-259-788	724748	63846-5V000	725263	67773-0E020	725124	76817-12060	725455
51-77-7-171-002	724752	63848-01G00-A	724250	67867-0C010	720965	76848-71S00	725277
51-77-7-171-003	724750	63848-40Y00	723381	67867-12150	720965	76853-10010	725458
51161-881-149	723109	63848-9E001	723295	67867-50020	725143	76879-44010	725489
5116530AA	724207	63848-9Y000	725265	67868-02020	720965	76882-0E700	725272
51453-0E010	725138	63876-95596	718722	67868-30030	725477	76882-0M060	725274
51453-48010	725138	63878-01E10	723203	67869-12050	725490	76882-EG01A	725270
51454-0E010	725137	6505292AA	720741	68033794-AA	724770	76906-T3000	716330
51454-48010	725137	6505417AA	720922	68039280-AA	724793	76924-47010	725444
52161-02020	720782	6505539-AA	721036	68061648-AA	724789	76988-3DN0A	725275
52161-16010	720782	6505686AA	723024	68213168-AA	724781	76988-4N000	725271
52161-20010	724451	6505759AA	723212	6822.LL	725315	77-03-072-360	725334
52197-30040	725131	6505759AA	723231	68225214-AA	724782	77-03-072-416	725310
52535-0E030	725448	6505918AA	723213	68425-H5000	716794	77-03-077-080	725330
52535-30150	725139	6506005AA	723338	69293-30030	725441	77-03-077-225	725333
53259-0E010	725135	6506132-AA	723260	69300-5370	725395	77-03-077-231	725331
53867-47020	725442	6506293AA	723338	6973.A9	725314	77-03-077-435	725332
53879-17020	725134	6506807-AA	724556	6991.S6	725317	77-03-077-468	725317
53879-20020	725463	6507055AA	724005	6997.T2	725313	7703-077-066	718100
53879-50020	725121	6507686AA	724005	6K0-868-243-C	725578	7756-1C000	725024
53879-60010	724203	6508072-AA	724775	6N0-809-966A	725577	78856-R4301	716856
53888-48010	725469	6508444-AA	724783	6N0-823-397-AC	725533	7L0-839-069	725548
55156655-AA	724780	6508540-AA	724791	6Q0-868-243	725560	7L5-853-994	725566
55350747AB	720961	6508643-AA	724784	6Q0-868-246-A	725579	7M0-867-299-K	725103
55799-12010	720938	6508712AA	724140	6Q0-868-297	725573	7M3-867-299	725103
57030-S2	50607	6508727-AA	724790	701-867-299	725556	800737-S	718409
57032-S36	718897	6508863AA	724205	703-867-299	725564	801-867-299-01C	725531
57039-S2	718919	6509106-AA	724545	71591-S5A-000	724979	80832-6500	716328
57041-S2	718922	6509590-AA	724771	72311-S5S-003	724710	80833-8500	716328
57048-S2	718926	6509960-AA	724788	72431-S2X-003	724975	80850-89900	725295

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OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
80850-CA003	725064	87756-3E500	725083	90467-05096-22	720508	90467-10206	725471
80874-0P000	723385	87758-35010	725017	90467-05125	725123	90467-11005	716330
80874-AX000	725278	87758-39000	725015	90467-05128	725462	90467-11099	725447
80915-29A66	718715	87758-3E000	725082	90467-05136	725136	90467-12071	725133
80999-VE000	725289	87758-3L000	725019	90467-05138	725120	90467-12072	725130
811-807-577-C	725574	87759-27000	725020	90467-05164-B6	725480	90467-12073	725454
81137-22530	725459	87759-3E000	725082	90467-05164-E2	725475	90467-12074	725132
81150-1A750	725459	87770-27000	725016	90467-06017-20	718720	90467-12075	725457
81496-21010	725452	8934-201-287	720182	90467-06054	717612	90467-12080	725451
8211.WV	725311	8934-201-621	718730	90467-06128	725493	90467-13075	725240
82315-22000	725031	8934-201-621	723025	90467-07050	717620	90467-A0008	724134
82315-27000	725040	8934-201-631	817110	90467-07071-22	725472	90467-A0018	725461
82315-2P000	725034	8934-201-681	716357	90467-07085	723126	90505-SM4-003	724251
82315-33020	725035	894-226-4920	717616	90467-07117	720627	90505-SX0-003	720549
82315-36000	725032	894-243-1900	718715	90467-07137	725125	90602-S2A-003	724971
82711-12200	725440	894-298-1190	718711	90467-07146	721033	90602-SFA-004	724701
84747-2L000	725036	8E0-867-276	725572	90467-07164	723119	90602-SLJ-003	724520
84915-0W000	720966	90075-10004	725459	90467-07166	720785	90602-TA0-003	724708
84953-AU100	725065	90080-46010	725474	90467-07168	723317	90603-SLJ-003	724520
84953-JA00A	725287	90080-46294	725466	90467-07188	724549	90651-TP8-003	724712
84995-3J101	725285	90084-26001	720771	90467-07195	723191	90656-671-6310M1	716798
85284-4J500	725261	90084-26002	723117	90467-07201	724461	90657-SA6-0030	718720
85495-2E050	725033	90107-S0X-A01	724709	90467-07214	725465	90657-SB0-003	723091
85506-4A000	725037	90107-SX0-003	720982	90467-08004	716329	90661-SC7-003	716857
85746-06000LX	725086	90189-04007	716867	90467-08011	716329	90662-671-0030	716794
85746-06000RU	725087	90189-04066	716855	90467-08045	725492	90662-693-003	716855
85849-3B000	725028	90189-04102	725485	90467-08063	725492	90664-671-0030	716328
86155-2H100	725025	90189-04207	725140	90467-08101	725481	90668-688-0030	716858
86157-37000	725026	90189-05013	716793	90467-08136	725478	90668-SB0-003	718712
86359-33500	725081	90189-06001	716864	90467-08185	723186	90671-S0D-003ZK	724989
86360-3L000	725013	90189-06003	716845	90467-08186	723104	90672-671-811	716848
86434-4A000	725029	90189-06010	716790	90467-090-6901	725291	90675-SA6-0030	716852
86438-4A100	725027	90189-06013	716846	90467-09008	724240	90675-SB3-003	718722
86591-25000	725088	90189-06028	720630	90467-09050	720632	90677-SE0-003	717646
86593-24000	724197	90189-06042	716857	90467-09096	720386	90683-693-0000	716856
86625-3S000	725039	90189-06065	716846	90467-09101	720550	90683-SA5-003	720507
86699-2D000	725085	90189-06104	720985	90467-09127	720629	90684-SA5-003	718711
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86825-28000	725023	90189-06157	720986	90467-09143	720794	90700-SJ4-000	724260
86910-21010	725038	90189-06177	725482	90467-09145	720795	90814-FC001	725392
87378-3N000	725030	90189-06211	725460	90467-09166	724550	90913-0003	725386
87702-H1000	725018	90189-06214	720987	90467-09185	725470	90913-0007	725371
87703-H1000	725011	90189-A0002	725483	90467-09204	725453	90913-0008	725369
87714-FD200	725024	90269-03064	725141	90467-09206	723250	90913-0034	725394
87719-02500	725082	90269-04053	723128	90467-09212	725476	90913-0051	725389
87756-1C000	725024	90269-06054	725488	90467-09227	725467	90913-0059	725379
87756-1F000	725012	90269-A0005	725487	90467-10107	720786	90913-0067	725378
87756-26900	725021	90331-AA050	725406	90467-10183	723368	90913-0074	725393
87756-2G000	725080	90331-GA090	725407	90467-10186	725479	90913-0109	725365
87756-34520	725022	90467-04034	725491	90467-10188	724053	90913-0213	725398
87756-37000	725014	90467-05081	725461	90467-10190	725126	90914-0002	725391

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OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
90914-0007	725374	91545-SE0-003	724250	D1AZ-6522841A	717166	MS-480012	716857
90914-0012	725382	91550-S50-000ZK	724985	D30Z-16776-A	717131	MS452348	725242
90914-0051	725375	91558-SE3-003	724700	D5ZZ-16828A	717183	MU000319	720901
90914-0052	725387	91560-S0X-A01	724992	D5ZZ-16828B	717183	MU480001	725241
90914-0055	725377	91560-S7A-003	724991	D90Z-6522841A	717387	MWC9134	725100
90914-0063	725376	91560-SM4-003	724019	D9ZZ-6643030-AA	721055	MXC1800	725101
90930-0007	725372	91560-SZW-003	724987	DYC101420	725102	N-606675-S2	720158
90930-0015	725401	91560-SZW-J01	724988	DYC500020	725103	N-606676-S53B	702565
91017-FA080	725361	91563-SCV-003	724711	E11451W24	725162	N-621905-S2	720298
91059-FC030	725368	91567-S3M-000	724986	E3DZ-14A163A	718730	N-621907-S2	720301
91059-FC041	725366	91567-SR2-013	724993	E3DZ-14A163A	723025	N-800387-S	716335
91059-FC090	725362	91568-TR0-003	724712	E6AZ-5421952-A	716644	N-802900	716337
91059-FC110	725370	91570-SK7-003ZF	721032	E6DZ-5421952-A	716643	N-803857-S	716310
91084-AA010	725405	91570-SZA-305	724977	E7GZ-17A904-B	718726	N-804349-S	716312
91085-TA030	725380	91578-T0A-003	724980	E83Z-5421952-B	716643	N038-550-1	725553
91167-AA000	725364	91603-SL0-000	724981	EA01-50-037	725164	N09-280305	716335
91167-FA010	725400	934-201-263	717322	F22Z-16774-A	716331	N15.422.2	716803
91486-KJ000	725363	93904-46320	718910	F3LY-14570-B	724603	N304-13-356-A	718720
91486-KJ010	725360	94078-FA080	725399	F57B-16241-AA	724539	N606676-S2	720164
91500-SM4-999AH	718910	94081-FA010	725402	FB01-56-964	718722	N606676-S36	717479
91501-S04-003	720767	94415-FA000NE	725390	G030-68-885B38	716331	N606677-S	720165
91501-SL4-003	720539	946-418	716811	G14S-50-EA1	725165	N606677-S36	721076
91501-SM4-003	724263	95022-AC040ML	725397	G18K-51-SJ3	724516	N606689-S2	720171
91501-SWA-003	724990	96706-89901	716850	G350-68-AB1	723205	N606690-S2	720172
91501-TR0-003	724984	96706-H9400	716848	GA2A-56-694	716331	N621903	716894
91502-SM4-000	724252	96706-K1300	716848	GA2A-58-762	720537	N621906-S2	717476
91503-S0K-A01	723374	96706-K1351	716848	GD7A-50-EA1	724122	N621940	717478
91503-S3Y-003	724978	96706-P0105	716790	GJ6A-50-ES1	724820	N623332-S100	724602
91503-S7A-003	724982	96706-W1000	716846	GJ6A-58-975	725170	N623332-S2	724602
91503-SHJ-A01	724983	97606-B0700	717611	GK2A-50-798	724844	N623332-S53	724602
91503-SZ3-003	720620	979878-6	720525	GS3L-68-615	725161	N623333-S2	717271
91503-SZ5-003	720619	99045-AE03AMA	725396	H001-50-841	716857	N623343-S100	717482
91503-T2A-A01	724970	9924-90-512B	716672	J001-56-741	725172	N623343-S2	717482
91505-S9A-003	724511	9926-50-635	718715	KA78-50-AF4	720989	N800369	716633
91505-S9A-003	724604	9927-40-821	716681	MB-098145	716864	N800369-S2	718907
91505-TM8-003	724707	9927-40-825	717616	MB-178894	717608	N800854-S	717261
91506-S9A-003	724519	9991-00-402	716850	MB106212	716848	N801603-S2	723294
91508-SM4-003	724264	9991-00-403	716839	MB645307	724552	N801925-S	718422
91512-S50-003	724703	9991-00-412	717611	MF453091	725244	N801994-S100	720378
91512-SJ6-J01	724702	9991-00-501	716792	MG350-68AB1	723205	N801994-S100	721007
91512-SM4-003	724255	9991-00-503	716794	MNA01-56-145	718723	N802734-S	716305
91512-SX0-003	720901	9991-00-601	716790	MR200300	723095	N802734-S	716306
91515-SR3-000	720536	A901-988-00-25	725203	MR200300	723208	N802737-S	718429
91518-S10-003	721016	B003-68-865-00	725160	MR221507	725240	N802781-S	718423
91518-SM4-003	720762	B092-51-833	724117	MR288150	725243	N803043-S	817110
91519-SCV-A01	724974	B455-56-135	725171	MR322000	725245	N803170-S	716304
91520-SM4-C01	720760	B467-68-AC3-02	725166	MR328954	720637	N803362-S	718679
91524-SE0-003	724262	BC1D-56-145	723209	MR478262	723207	N803421-S	718427
91530-S0A-003	724706	BF67-50-033	718726	MR478263	723206	N803494-S	718716
91530-SP1-003	720765	BP4K-58-762	725169	MS-480001	717611	N803709-S	718733
91530-ST5-003	720766	C5AB-6220586A	717211	MS-480002	716793	N803716-S	718732

OEM to PART NUMBER INTERCHANGE

OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
N803862-S	817111						
N803946-S	718716	W706519-S300	723177				
N804134-S	817117	W706635-SSW	724841				
N804189-S	817105	W706713-S300	723059				
N804379S	716309	W706812-S300	720741				
N804583-S	817114	W708035-S300	723285				
N804674-S	718737	W708319-S300	724845				
N804675-S	817118	W708530-S300	723309				
N804759-S	817118	W708580-S300	724846				
N804837-S	718717	W708633-S300	724839				
N804851-S100	527118	W708777-S437	724852				
N805132-S	817122	W709002-S	723349				
N805592-S100	527109	W709688-S300	724823				
N805759-S100	527115	W709995-S300	724842				
N806296-S	817128	W710079-S300	724850				
N806340-S	720934	W710250-S300	724525				
N806344-S	723346	W711031-S300	724848				
N807389-S	724133	W711079-S300	724853				
N807620-S100	723182	W711858-S300	724855				
N807721-S	720380	W712196-S300	724139				
N808147-S	720669	W712665-S300	724210				
N808370-S	720383	W713331-S300	724206				
N808376-S417	723347	W713579-S300	724854				
N808689-S417	720531	W713819-S900	724851				
N90-335-006	725558	W715201-S300	724832				
N90-796-501	725557	W715926-S300	724840				
N90-796-502	725557	W716460-S300	724857				
N90100001	716887	W716497-S300	724833				
N90282401	716307	W716503-S300	724834				
N90565301	725535	W716510-S300	724837				
N90642001	725535	W790225-S900	724835				
N908-131-01	725350	YL3Z-1521970-AA	721049				
N98905101	718230	YS4Z-13N129-AA	723049				
NA01-56-145	718723	YS4Z-16K262-AA	723047				
NA01-56145	718723						
OWX68BD5-AA	724543						
OWX68XDB-AA	724786						
S51S-51-833	725163						
TD11-56-694	725168						
TD12-51-SJ3A	725167						
W525170-S417	720501						
W623-463-S54	716898						
W701295-S301	724518						
W701855-S300	723056						
W702512-S900C	724852						
W703505-S301	723048						
W705297-S300	724849						
W705589-S300	717130						
W705845-S300	724117						
W705956-S300	723176						
W705957-S300	723177						

OEM to PART NUMBER BY MANUFACTURER

OEM Number	Part Number
ACURA	
90603-SLJ-003	724520
72311-S5S-003	724710
75316-S9A-004	724705
76222-SP1-003	724704
90107-S0X-A01	724709
90107-SX0-003	720982
90602-SFA-004	724701
90602-SLJ-003	724520
90602-TA0-003	724708
90651-TP8-003	724712
90657-SB0-003	723091
90700-SJ4-000	724260
91501-SL4-003	720539
91503-SZ3-003	720620
91503-SZ5-003	720619
91505-TM8-003	724707
91506-S9A-003	724519
91512-S50-003	724703
91512-SJ6-J01	724702
91512-SX0-003	720901
91515-SR3-000	720536
91518-SM4-003	720762
91520-SM4-C01	720760
91530-S0A-003	724706
91530-SP1-003	720765
91558-SE3-003	724700
91563-SCV-003	724711
91568-TR0-003	724712
MU000319	720901
AMC	
4005540	716409
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4006529	716313
4200408	716894
5208743	716313
6031115	52727
6500911	817110
6504090	723025
9436175	52727
9731301	716409
14019205	723025
14019206	723025
14063981	817110
16514113	723025
34201287	720182
34201621	723025
385189-S100	52727
8934-201-287	720182
8934-201-621	723025
8934-201-631	817110

OEM Number	Part Number
AMC con't	
E3DZ-14A163A	723025
N621903	716894
N803043-S	817110
AUDI	
1008068	725103
7M3-867-299	725103
165-827-592	725576
171-201-969	725552
171-807-249-A	725565
191-853-577	725547
191-853-577-A	725536
191-853-733-A	725540
191-941-142	725532
1H0-819-055-B01C	725561
1H0-823-397	725534
1H0-837-719	725568
1H0-853-585	725537
1H0-853-585-A	725539
1H0-853-585-B	725538
1H0-853-586	725551
1H0-867-199-01C	725530
1H0-868-243	725562
357-853-585	725571
357-853-585-A	725567
3A0-853-575	725549
3A0-853-575-A	725542
3B0-853-575	725543
3B0-853-576	725541
3C0-853-585	725580
441-863-987-B	725557
443-853-909-A	725544
4A0-805-121-A	725570
4A0-853-825	725545
4A0-853-825-A	725546
4A0-853-825-C	725550
6K0-868-243-C	725578
6N0-809-966A	725577
6N0-823-397-AC	725533
6Q0-868-246-A	725579
6Q0-868-297	725573
7L0-839-069	725548
7L5-853-994	725566
7M0-867-299-K	725103
801-867-299-01C	725531
811-807-577-C	725574
867-809-966	725575
8E0-867-276	725572
DYC500020	725103
N038-550-1	725553
N90-335-006	725558

OEM Number	Part Number
AUDI con't	
N90-796-501	725557
N90-796-502	725557
N90565301	725535
N90642001	725535
N908-131-01	725350
BMW	
000-904-24-45	716804
000-994-14-45	716807
51-41-8-224-768	724751
51-41-821-58-06	724755
51-47-1-945-266	724753
51-47-8-116-564	724735
000-994-06-45	716809
003-990-02-51	724743
07-14-7-122-913	724749
07-14-9-158-194	724755
0711-9-916-945	716807
0712-9-925-706	716802
0712-9-925-708	716804
0712-9-925-720	716810
0712-9-925-737	716809
16-13-1-176-747	724743
51-11-1-942-789	724731
51-11-7-160-451	724742
51-11-8-400-709	724754
51-12-7-004-445	724745
51-12-7-004-445	724753
51-13-1-829-904	724740
51-13-1-960-054	724738
51-13-2-251-394	724736
51-13-6-440-146	724740
51-13-8-166-675	724737
51-13-8-231-130	724739
51-32-1-938-884	724757
51-41-0-407-984	724751
51-41-015-44-20	724732
51-41-700-16-29	724732
51-44-7-780-135	724756
51-45-030-47-03	724732
51-45-8-161-557	724733
51-45-8-266-814	724734
51-45-816-52-60	724732
51-46-7-002-606	724746
51-47-1-881-521	724735
51-47-2-499-935	724735
51-47-8-166-992	724747
51-47-8-183-031	724735
51-48-8-181-420	724730
51-71-7-002-953-2	724125
51-71-8-184-574	724741

OEM Number	Part Number
BMW con't	
51-71-8-259-788	724748
51-77-7-171-002	724752
51-77-7-171-003	724750
51161-881-149	723109
CHRYLSER	
68033794-AA	724770
332364	716319
367292	717033
380382	718899
389358	716319
472434	718728
474821	717033
480534	718728
1605396	717130
1758099	516259
2085119	527104
2524525	717167
2964547	720382
3454220	717707
3454221	717708
3533539	527104
3540161	527104
3691590	716319
3744999	516259
3760130	717709
3760131	717710
3861577	716333
4000141	718899
4004569	716319
4005091	718840
4005470	718230
4005513	717131
4005791	52727
4006529	716313
4341060	716314
4370138	817118
4381395	716350
4381395	720059
4658673	720375
4658676	717707
4658677	717708
4676356	720523
4696129	724606
4717224	720925
5208743	716313
6000720	516259
6000943	717322
6003349	718230
6003351	717131
6004212	817120

OEM to PART NUMBER BY MANUFACTURER

OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
CHRYLSER con't		6504521	720608	385189-S100	52727	8934-201-621	723025
6010046	516259	9432137	527117	385330-S	717131	8934-201-681	716357
6027958	720556	9436175	52727	385661-S	718230	D30Z-16776-A	717131
6030441	717130	9437486	527102	387258-S	716333	E3DZ-14A163A	718730
6031115	52727	9685057	718230	387843S	718728	MB-178894	717608
6031321	716319	10131511	723182	388577-S	717130	MB645307	724552
6031383	718738	11500660	717271	388904-S	716350	MR328954	720637
6031390	718728	11502617	717271	389443-S	716349	MR478262	723207
6032138	527117	11561368	724140	4389940-AB	724779	MR478263	723206
6032235	718228	11589289	724205	4389947-AA	724785	N606676-S2	720164
6032363	718230	11589295	724210	4784018-AA	724773	N623333-S2	717271
6032516	716635	14007510	717033	4806271-AA	724774	N803043-S	817110
6032832	718227	14019205	718730	4860379-AA	724553	N803362-S	718679
6032926	527102	14019205	723025	4878883AA	720907	N803421-S	718427
6034212	723182	14019206	718730	5023111AA	720933	N803862-S	817111
6100047	720297	14019206	723025	5023173AA	723336	N803946-S	718716
6100049	720299	14063981	817110	5116530AA	724207	N804675-S	817118
6100539	720157	14093311	716319	55156655-AA	724780	N804759-S	817118
6100566	720164	15056810	723024	55350747AB	720961	N807389-S	724133
6100567	717463	15296830	724207	5GUU9K11BA	724210	N807620-S100	723182
6100568	717464	15958694	717130	6036007AA	717130	N807721-S	720380
6101283	717271	15969147	724133	6036148AA	723388	N98905101	718230
6500859	817107	16514113	718730	6505292AA	720741	OWX68BD5-AA	724543
6500899	817106	16514113	723025	6505417AA	720922	OWX68XDB-AA	724786
6500911	817110	20003056	723212	6505539-AA	721036	W705589-S300	717130
6501067	718226	20003056	723231	6505686AA	723024	W706812-S300	720741
6501086	716350	20032850	716333	6505759AA	723212	W712665-S300	724210
6501086	720059	20432975	817106	6505759AA	723231	**DACIA**	
6501178	716897	20452072	817111	6505918AA	723213	77-03-072-360	725334
6501301	720377	20465395	817120	6506005AA	723338	77-03-077-080	725330
6501559	817111	20510029	718679	6506132-AA	723260	77-03-077-225	725333
6501590	718427	20699808	716424	6506293AA	723338	77-03-077-231	725331
6501948	720381	20732399	716319	6506807-AA	724556	77-03-077-435	725332
6501948	720927	21030249	724133	6507055AA	724005	**FIAT**	
6502078	717130	21077575	724606	6507686AA	724005	14592086	724811
6502104	720384	21094146	720377	6508072-AA	724775	14592087	724810
6502328	716424	22512276	716323	6508444-AA	724783	**FORD**	
6502625	720334	25631448	720754	6508540-AA	724791	45267	717106
6502871	718716	34201287	720182	6508643-AA	724784	149257	717106
6503204	720733	34201621	718730	6508712AA	724140	332364	716319
6503221	716323	34201621	723025	6508863AA	724205	385677	720499
6503336	724532	34202335	720374	6509106-AA	724545	389358	716319
6503401	720754	34202672	718679	6509590-AA	724771	472434	718728
6503454	720609	388904-S	720059	6509960-AA	724788	480534	718728
6503598	724133	8934-201-631	817110	68039280-AA	724793	1008068	725103
6503819	720754	E3DZ-14A163A	723025	68061648-AA	724789	1016937	724602
6504043	720380	01553-09321	720637	68213168-AA	724781	1494254	717109
6504072	720981	06509673AA	724787	68225214-AA	724782	1494258	717108
6504090	718730	124-990-04-92	724546	8934-201-263	717322	1605396	717130
6504090	723025	175-853-577	817106	8934-201-287	720182	1631564	716309
6504452	720739	175-867-299	716357	8934-201-621	718730	3691590	716319

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OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
FORD con't		11589291	724206	384930-S36	718920	BF67-50-033	718726
3861577	716333	11589293	724139	385188-S	718400	C5AB-6220586A	717211
4004569	716319	11589295	724210	385189-S100	52727	D1AZ-6522841A	717166
4005470	718230	12337873	717109	385330-S	717131	D30Z-16776-A	717131
4005513	717131	12338153	52729	385595-S	717319	D5ZZ-16828A	717183
4005791	52727	14019205	718730	385661-S	718230	D5ZZ-16828B	717183
4200408	716894	14019205	723025	386553-S	717319	D90Z-6522841A	717387
4370138	817118	14019206	718730	387258-S	716333	D9ZZ-6643030-AA	721055
4381395	716350	14019206	723025	387477-S	717214	DYC500020	725103
4381395	720059	14063981	817110	387496-S	718430	E3DZ-14A163A	718730
4876498	717212	14078435	52791	387843-S	718728	E3DZ-14A163A	723025
6003349	718230	14093088	718423	388020-S47X	716222	E6AZ-5421952-A	716644
6003351	717131	14093311	716319	388047-S100	52791	E6DZ-5421952-A	716643
6030441	717130	15679091	718718	388047-S102	527103	E7GZ-17A904-B	718726
6031115	52727	15681408	718733	388442-S100	52793	E83Z-5421952-B	716643
6031321	716319	15958694	717130	388499-S	716318	F22Z-16774-A	716331
6031390	718728	15969147	724133	388577-S	717130	F3LY-14570-B	724603
6032363	718230	16514113	718730	388664-S100	52794	F57B-16241-AA	724539
6034212	723182	16514113	723025	388904-S	716350	G030-68-885B38	716331
6100566	720164	20032850	716333	388904-S	720059	G350-68-AB1	723205
6101283	717271	20184399	52729	388908-S	716325	GA2A-56-694	716331
6500911	817110	20423550	716219	388930-S	716321	GJ6A-50-ES1	724820
6501086	716350	20423647	817105	389144-S	718415	GK2A-50-798	724844
6501086	720059	20452072	817111	389268-S100	52729	MG350-68AB1	723205
6501559	817111	20510029	718679	389443-S	716349	MNA01-56-145	718723
6501590	718427	20732399	716319	390017-S2	716219	N-606675-S2	720158
6502078	717130	21030249	724133	390523-S	716644	N-606676-S53B	702565
6502871	718716	21042958	716337	3M8Z-16K262-A	724820	N-621905-S2	720298
6503598	724133	21075686	724603	3M8Z-17C432-A	724844	N-621907-S2	720301
6504043	720380	22718305	716305	45265-S2	717109	N-800387-S	716335
6504090	718730	22718305	716306	45268-S2	717108	N-802900	716337
6504090	723025	25618730	527109	4F1Z-9A317-AA	724821	N-803857-S	716310
9433155	720217	25680782	720669	57030-S2	50607	N-804349-S	716312
9436175	52727	34201621	718730	57032-S36	718897	N09-280305	716335
9685057	718230	34201621	723025	57039-S2	718919	N606676-S2	720164
9721917	717166	34202672	718679	57041-S2	718922	N606676-S36	717479
10008002	717108	7M3-867-299	725103	57048-S2	718926	N606677-S	720165
10131511	723182	N804759-S	817118	57472-S2	718894	N606677-S36	721076
10139822	720669	W706519-S300	723177	5GUU9K11BA	724210	N606689-S2	720171
11500401	717478	W708777-S437	724852	5R3Z-54310D12-AAA	724540	N606690-S2	720172
11500660	717271	1R3Z-18D434-BA	724822	6036007AA	717130	N621903	716894
11500661	717482	372820-S36	52792	63844-01A00	718723	N621906-S2	717476
11502617	717271	372820-S40	52792	6508727-AA	724790	N621940	717478
11503289	716222	375373-S	716311	65832-F5000	716326	N623332-S100	724602
11503317	717482	379830-S	717149	65846-30F00	716326	N623332-S2	724602
11503695	717478	380707-S	702563	7M0-867-299-K	725103	N623332-S53	724602
11503957	724602	381801-S2	716219	800737-S	718409	N623333-S2	717271
11504531	720217	381863-S2	720217	8934-201-621	718730	N623343-S100	717482
11516150	717482	383033-S101	717216	8934-201-621	723025	N623343-S2	717482
11518017	723309	383035-S100	717215	8934-201-631	817110	N800369	716633
11561878	724603	383142-S	718912	B092-51-833	724117	N800369-S2	718907

OEM to PART NUMBER BY MANUFACTURER

OEM Number	Part Number
FORD con't	
N801603-S2	723294
N801925-S	718422
N801994-S100	720378
N801994-S100	721007
N802734-S	716305
N802734-S	716306
N802737-S	718429
N802781-S	718423
N803043-S	817110
N803170-S	716304
N803362-S	718679
N803421-S	718427
N803494-S	718718
N803709-S	718733
N803716-S	718732
N803862-S	817111
N803946-S	718716
N804134-S	817117
N804189-S	817105
N804379S	716309
N804583-S	817114
N804674-S	718737
N804675-S	817118
N804837-S	718717
N804851-S100	527118
N805132-S	817122
N805592-S100	527109
N805759-S100	527115
N806296-S	817128
N806340-S	720934
N806344-S	723346
N807389-S	724133
N807620-S100	723182
N807721-S	720380
N808147-S	720669
N808370-S	720383
N808376-S417	723347
N808689-S417	720531
N98905101	718230
NA01-56-145	718723
NA01-56145	718723
W525170-S417	720501
W701295-S301	724518
W701855-S300	723056
W702512-S900C	724852
W703505-S301	723048
W705297-S300	724849
W705589-S300	717130
W705845-S300	724117
W705956-S300	723176
W705957-S300	723177
W706635-SSW	724841
W706713-S300	723059
W708035-S300	723285
W708319-S300	724845
W708530-S300	723309
W708580-S300	724846
W708633-S300	724839
W709002-S	723349
W709688-S300	724823
W709995-S300	724842
W710079-S300	724850
W710250-S300	724525
W711031-S300	724848
W711079-S300	724853
W711858-S300	724855
W712196-S300	724139
W712665-S300	724210
W713331-S300	724206
W713579-S300	724854
W713819-S900	724851
W715201-S300	724832
W715926-S300	724840
W716460-S300	724857
W716497-S300	724833
W716503-S300	724834
W716510-S300	724837
W790225-S900	724835
YL3Z-1521970-AA	721049
YS4Z-13N129-AA	723049
YS4Z-16K262-AA	723047
GM	
152273	717104
332364	716319
363137	716315
365718	717471
367291	717034
367292	717033
378668	717716
380382	718899
389358	716319
407217	717255
411700	716339
469716	717713
469718	717716
472434	718728
474821	717033
480534	718728
588546	717103
1016937	724602
1480627	720237
GM con't	
1494252	720237
1494253	717107
1494254	717109
1494257	717106
1494258	717108
1564189	717255
1605396	717130
1619321	718618
1631564	716309
1633999	718725
1636632	718729
1640810	717451
1689827	717182
1690410	718656
1699250	716320
1703731	717495
1746408	718813
1758099	516259
2024778	723202
2064891	52616
2968521	717251
3065575	717163
3071437	717469
3078511	717320
3081052	717713
3691590	716319
3744999	516259
3783006	702555
3786805	717107
3861577	716333
3907444	702559
3960314	717250
3977775	717320
3986997	717254
4000141	718899
4004569	716319
4005470	718230
4005540	716409
4005791	52727
4234830	717719
4533699	717219
4696129	724606
4755299	702559
4876498	717212
5482087	724880
5482103	724111
5973400	718644
5973823	718645
5973996	718646
6000720	516259
6003349	718230
6004212	817120
6010046	516259
6030441	717130
6031115	52727
6031321	716319
6031390	718728
6032138	527117
6032363	718230
6032926	527102
6034212	723182
6101283	717271
6252625	720334
6500899	817106
6500911	817110
6501301	720377
6501559	817111
6502328	716424
6503221	716323
6503401	720754
6503598	724133
6503819	720754
6504090	718730
6504090	723025
7698976	717222
8717859	717226
9114472	724951
9423101	723028
9428196	716224
9428481	511118
9431530	720216
9431647	511120
9432137	527117
9432552	527111
9433043	717481
9433155	720217
9433156	720218
9433186	724013
9436175	52727
9437486	527102
9437643	723019
9439576	527112
9439719	527108
9440392	527113
9685057	718230
9721917	717166
9731301	716409
9818648	52616
9854717	717226
9883583	52616
10008002	717108
10009923	503157

OEM to PART NUMBER BY MANUFACTURER

OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
GM con't		11500996	723355	11503957	724602	11570847	724905
10018611	716861	11501102	717473	11504035	717266	11571118	724877
10036503	817124	11501105	720188	11504119	503159	11571119	724878
10037786	720194	11501106	717265	11504303	717460	11571159	724922
10051034	716101	11501184	717264	11504492	720192	11571175	724891
10051034	716119	11501188	717474	11504493	717468	11571175	724901
10053182	718721	11501193	717272	11504499	720143	11588308	724907
10063599	720376	11501849	503158	11504531	720217	11588441	724913
10069112	817119	11501850	717287	11504570	717459	11588650	724232
10073833	718657	11501884	724600	11505022	723356	11588863	724188
10082553	720335	11501889	717270	11505023	723355	11589176	724510
10109689	817130	11501927	717492	11505044	720187	11589289	724205
10114590	716101	11501932	717485	11505045	718942	11589290	724138
10114597	716119	11501937	717491	11505329	716887	11589291	724206
10125439	527110	11502449	717450	11505816	720151	11589292	724208
10130851	720140	11502540	720327	11506174	717467	11589293	724139
10131511	723182	11502605	717269	11507036	717270	11589294	724209
10139822	720669	11502607	720141	11508241	717262	11589295	724210
10140480	720334	11502609	717270	11508248	716819	11589296	724211
10157547	527105	11502617	717271	11509096	720193	11609292	724955
10157900	720333	11502624	717269	11509511	717269	11609385	717262
10169777	720379	11502635	720304	11509816	717459	11609417	724109
10283414	720580	11502722	716895	11513599	724528	11609483	724920
10287971	716344	11502785	717266	11514623	717459	11609651	724895
10301966	723031	11502790	717470	11516150	717482	11609923	724902
10305191	724153	11502794	717490	11516372	723204	11609952	724943
10350983	724950	11502941	717467	11516845	724541	11610157	724942
10351052	724947	11503289	716222	11517803	720333	11610198	724515
10363811	723364	11503317	717482	11517824	723013	11610495	724939
10369649	724928	11503499	718959	11518017	723309	11610544	724958
10405030	720580	11503564	717274	11518357	723300	11610605	724927
10425306	723031	11503564	717483	11518531	724554	11610606	724936
10426555	724909	11503578	717259	11519030	723358	11610747	724926
10431761	720943	11503619	717473	11519807	724116	11610748	724930
10444839	724932	11503633	720190	11546635	724956	11611079	724903
10445899	724894	11503668	720193	11547210	724906	11611110	724912
11500371	717477	11503685	717266	11561368	724140	11611375	724898
11500401	717478	11503695	717478	11561382	724515	11611435	724899
11500402	720170	11503698	717494	11561499	724949	11611626	724904
11500434	717451	11503702	720189	11561500	724948	11612122	724956
11500657	720316	11503715	717262	11561654	724916	12160858	723304
11500658	717481	11503736	717493	11561857	724513	12337868	717719
11500660	717271	11503745	717260	11561874	724908	12337873	717109
11500661	717482	11503752	716887	11561878	724603	12337915	817130
11500662	717274	11503753	717475	11561987	724945	12337920	716336
11500662	717483	11503785	717259	11562250	724901	12338011	716119
11500747	717265	11503800	723276	11562503	724941	12338015	717256
11500754	717470	11503823	717467	11562568	724954	12338074	717363
11500961	717263	11503834	720184	11569700	724953	12338153	52729
11500969	717268	11503892	717451	11569921	724957	12531204	724012
11500970	717472	11503957	718261	11570830	724924	13144822	724946

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OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
GM con't		15748479	723029	20432975	817106	25016383	716316
13252118	724919	15802005	724917	20433026	817113	25517947	718671
13252119	724918	15864780	724957	20451119	718672	25524005	817123
13365058	724937	15931605	724935	20451401	716317	25531999	724526
14007510	717033	15944588	724933	20452072	817111	25618730	527109
14007940	716776	15958694	717130	20455900	716303	25631448	720754
14011722	717254	15960325	724129	20465395	817120	25648693	723017
14013246	718604	15960621	720585	20480475	716342	25680782	720669
14015161	718743	15964971	717363	20490398	716822	25691949	723180
14015876	716820	15964972	717364	20510029	718679	25704001	723180
14019205	718730	15967691	717397	20514862	716322	25704358	724940
14019205	723025	15969147	724133	20582532	716647	25705182	724870
14019206	718730	15975244	720371	20585900	720152	25732397	724146
14019206	723025	15989431	724921	20612732	817121	25742293	724534
14019226	718739	15993201	720333	20633140	716647	25744385	724893
14027471	718627	15994165	723308	20687704	718729	25749564	724931
14032200	718742	16500283	718647	20699808	716424	25774893	724892
14039420	718740	16514113	718730	20709017	720372	25775903	724889
14044215	718670	16514113	723025	20713843	527101	25796285	724900
14045480	718662	16629990	721051	20732399	716319	25803643	724944
14051674	717719	16632192	717364	21030249	724133	25822063	724915
14063981	817110	16632193	717363	21035345	723013	25922739	724890
14066728	717256	16675980	721051	21042958	716337	30006620	720807
14071289	718739	19260056	724872	21075686	724603	34201621	718730
14074081	716351	19260058	724886	21077123	720917	34201621	723025
14078435	52791	19260060	724885	21077575	724606	34202672	718679
14090382	718932	19260061	724883	21094146	720377	88891731	717397
14093088	718423	19260063	724876	21095797	724116	88970494	723317
14093311	716319	19260663	724881	22189414	723196	88970747	720632
14101262	718734	20003056	723212	22512276	716323	88970767	723368
15002519	717485	20003056	723231	22527720	716352	88973676	723317
15022087	720677	20008799	717714	22531616	717274	89025539	723290
15056810	723024	20030401	718616	22531616	717483	89026634	724929
15153415	720586	20032850	716333	22535007	718744	89026635	724934
15296830	724207	20064875	718615	22538004	720025	92139147	724959
15506827	817129	20083312	720186	22585836	720667	94051993	718710
15562609	717364	20123070	716119	22641917	720667	94198687	718720
15588024	716301	20158344	717716	22690838	724910	94530385	724887
15591860	717397	20184399	52729	22691056	724514	94530742	724888
15595172	817112	20319841	718654	22699649	723364	94841764	716793
15596300	716301	20325696	527114	22704458	723364	94842841	716329
15600382	718657	20328600	716119	22713392	723364	94849113	716329
15614746	724555	20351035	720184	22718305	716305	94853733	720550
15653790	720999	20374473	716336	22718305	716306	94854203	720630
15672183	720998	20421672	817112	22718369	724914	94858509	720632
15679091	718718	20421800	718657	22722859	723364	94858560	720782
15681408	718733	20423550	716219	22722860	723364	95005064	716343
15683327	724879	20423647	817105	24405739	724897	95008221	720776
15691493	717363	20429451	716338	24405740	724896	95008221	720807
15691595	717397	20429500	717238	24449408	724952	95230842	724911
15733971	721034	20430421	716356	24501057	724237	8934-201-631	817110

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OEM Number	Part Number
GM con't	
90467-07168	723317
90467-08004	716329
F3LY-14570-B	724603
175-853-577	817106
175-853-577A	817113
175-853-695A	718743
381801-S2	716219
381863-S2	720217
385189-S100	52727
385661-S	718230
387258-S	716333
387843-S	718728
388020-S47X	716222
388047-S100	52791
388577-S	717130
389268-S100	52729
390017-S2	716219
45265-S2	717109
45268-S2	717108
5116530AA	724207
52161-02020	720782
52161-16010	720782
5GUU9K11BA	724210
6036007AA	717130
622A2-9E000	724908
622A2-9E000A	724908
63844-01A99	718672
6502078 W705589-S300	717130
6505686AA	723024
6505759AA	723212
6505759AA	723231
6508712AA	724140
6508863AA	724205
66860-01W01	718710
67771-01010	716343
67771-12050	720807
67771-30090	720776
8934-201-621	718730
8934-201-621	723025
90189-05013	716793
90189-06028	720630
90467-06017-20	718720
90467-08011	716329
90467-09050	720632
90467-09101	720550
90467-10183	723368
90657-SA6-0030	718720
D1AZ-6522841A	717166
E3DZ-14A163A	718730
E3DZ-14A163A	723025
MS-480002	716793
N-802900	716337
N304-13-356-A	718720
N621940	717478
N623332-S100	724602
N623332-S2	724602
N623332-S53	724602
N623333-S2	717271
N623343-S100	717482
N623343-S2	717482
N802734-S	716305
N802734-S	716306
N802781-S	718423
N803043-S	817110
N803362-S	718679
N803494-S	718718
N803709-S	718733
N803862-S	817111
N804189-S	817105
N804379S	716309
N805592-S100	527109
N807389-S	724133
N807620-S100	723182
N808147-S	720669
N90100001	716887
N98905101	718230
W708530-S300	723309
W712196-S300	724139
W712665-S300	724210
W713331-S300	724206
HONDA	
8763591	717222
94198687	718720
10998-30880	718711
63876-95596	718722
90189-04066	716855
90603-SLJ-003	724520
93904-46320	718910
N304-13-356-A	718720
01651-00481	716857
34301-692A-0000	716870
63848-01G00-A	724250
68425-H5000	716794
71591-S5A-000	724979
72311-S5S-003	724710
72431-S2X-003	724975
74798-S9000	716857
75305-S0A-003	724147
75305-SHJ-003	724976
75305-SM4-A01	724973
75306-SZA-A01	724972
HONDA con't	
75316-S9A-004	724705
75521-611-0000	716790
75522-611-0000	717611
76222-SP1-003	724704
78856-R4301	716856
80832-6500	716328
80833-8500	716328
894-298-1190	718711
90107-S0X-A01	724709
90107-SX0-003	720982
90189-06010	716790
90189-06042	716857
90467-06017-20	718720
90505-SM4-003	724251
90505-SX0-003	720549
90602-S2A-003	724971
90602-SLJ-003	724520
90602-TA0-003	724708
90651-TP8-003	724712
90656-671-6310M1	716798
90657-SA6-0030	718720
90657-SB0-003	723091
90661-SC7-003	716857
90662-671-0030	716794
90662-693-003	716855
90664-671-0030	716328
90668-688-0030	716858
90668-SB0-003	718712
90671-S0D-003ZK	724989
90675-SA6-0030	716852
90675-SB3-003	718722
90677-SE0-003	717646
90683-693-0000	716856
90683-SA5-003	720507
90684-SA5-003	718711
90687-SA5-0030	724261
90700-SJ4-000	724260
91500-SM4-999AH	718910
91501-S04-003	720767
91501-SM4-003	724263
91501-SWA-003	724990
91501-TR0-003	724984
91502-SM4-000	724252
91503-S0K-A01	723374
91503-S3Y-003	724978
91503-S7A-003	724982
91503-SHJ-A01	724983
91503-SZ3-003	720620
91503-SZ5-003	720619
91503-T2A-A01	724970
91505-S9A-003	724511
91505-S9A-003	724604
91505-TM8-003	724707
91506-S9A-003	724519
91508-SM4-003	724264
91512-S50-003	724703
91512-SJ6-J01	724702
91512-SM4-003	724255
91512-SX0-003	720901
91515-SR3-000	720536
91518-S10-003	721016
91518-SM4-003	720762
91519-SCV-A01	724974
91520-SM4-C01	720760
91524-SE0-003	724262
91530-S0A-003	724706
91530-SP1-003	720765
91530-ST5-003	720766
91545-SE0-003	724250
91550-S50-000ZK	724985
91558-SE3-003	724700
91560-S0X-A01	724992
91560-S7A-003	724991
91560-SM4-003	724019
91560-SZW-003	724987
91560-SZW-J01	724988
91563-SCV-003	724711
91567-S3M-000	724986
91568-TR0-003	724712
91570-SK7-003ZF	721032
91570-SZA-305	724977
91578-T0A-003	724980
91603-SL0-000	724981
96706-P0105	716790
97606-B0700	717611
9991-00-412	717611
9991-00-503	716794
9991-00-601	716790
FB01-56-964	718722
H001-50-841	716857
MR200300	723095
MR200300	723208
MS-480001	717611
MS-480012	716857
MU000319	720901
HYUNDAI	
82315-22000	725031
82315-27000	725040
82315-2P000	725034
82315-33020	725035
82315-36000	725032

OEM to PART NUMBER BY MANUFACTURER

OEM Number	Part Number
HYUNDAI con't	
84747-2L000	725036
85495-2E050	725033
85506-4A000	725037
85849-3B000	725028
86155-2H100	725025
86157-37000	725026
86360-3L000	725013
86434-4A000	725029
86438-4A100	725027
86593-24000	724197
86625-3S000	725039
86825-28000	725023
86910-21010	725038
87378-3N000	725030
87702-H1000	725018
87703-H1000	725011
87714-FD200	725024
87756-1C000	725024
87756-1F000	725012
87756-26900	725021
87756-34520	725022
87756-37000	725014
87758-35010	725017
87758-39000	725015
87758-3L000	725019
87759-27000	725020
87770-27000	725016
INFINITI	
84953-AU100	725065
ISUZU	
10998-30880	718711
67771-01010	717616
67771-12010F	717616
894-226-4920	717616
894-298-1190	718711
90684-SA5-003	718711
9927-40-825	717616
KIA	
0K95A-68615	725084
63844-01A00	718723
82315-27000	725040
82315-2P000	725034
82315-33020	725035
84747-2L000	725036
85495-2E050	725033
85506-4A000	725037
85746-06000LX	725086
85746-06000RU	725087
86155-2H100	725025
86359-33500	725081

OEM Number	Part Number
KIA con't	
86434-4A000	725029
86438-4A100	725027
86591-25000	725088
86699-2D000	725085
87714-FD200	725024
87719-02500	725082
87756-1C000	725024
87756-1F000	725012
87756-2G000	725080
87756-34520	725022
87756-3E500	725083
87758-35010	725017
87758-3E000	725082
87759-3E000	725082
MNA01-56-145	718723
NA01-56-145	718723
NA01-56145	718723
LAND ROVER	
1008068	725103
7M3-867-299	725103
7M0-867-299-K	725103
DYC101420	725102
DYC500020	725103
MWC9134	725100
MXC1800	725101
LEXUS	
88970494	723317
88970747	720632
88973676	723317
94842841	716329
94849113	716329
94853733	720550
94858509	720632
90467-07168	723317
90467-09050	720632
47749-50090	725122
51453-0E010	725138
51453-48010	725138
51454-0E010	725137
51454-48010	725137
52197-30040	725131
52535-30150	725139
53259-0E010	725135
53879-17020	725134
53879-50020	725121
67771-32120	725142
67773-0E020	725124
67867-50020	725143
67868-30030	725477
75392-35220	725127

OEM Number	Part Number
LEXUS con't	
75393-60030	725128
75545-53010	725144
75545-53011	725129
75545-53011	725144
75867-06030	725468
90189-04207	725140
90189-06013	716846
90189-06065	716846
90189-06104	720985
90269-03064	725141
90269-06054	725488
90467-04034	725491
90467-05125	725123
90467-05138	725120
90467-07117	720627
90467-07137	725125
90467-08004	716329
90467-08011	716329
90467-08101	725481
90467-09101	720550
90467-09143	720794
90467-09185	725470
90467-10186	725479
90467-10190	725126
90467-10206	725471
90467-12071	725133
90467-12072	725130
90467-12074	725132
90467-A0008	724134
91567-SR2-013	724993
96706-W1000	716846
MAZDA	
94198687	718720
3M8Z-17C432-A	724844
E7GZ-17A904-B	718726
GA2A-56-694	716331
MS-480012	716857
01651-00481	716857
1395-68-676	718715
3M8Z-16K262-A	724820
5R3Z-54310D12-BAA	724838
63844-01A00	718723
63876-95596	718722
67771-01010	717616
67771-12010F	717616
68425-H5000	716794
74798-S9000	716857
75521-611-0000	716790
75522-611-0000	717611
80915-29A66	718715

OEM Number	Part Number
MAZDA con't	
894-226-4920	717616
894-243-1900	718715
90189-06010	716790
90189-06042	716857
90467-06017-20	718720
90657-SA6-0030	718720
90661-SC7-003	716857
90662-671-0030	716794
90675-SB3-003	718722
96706-89901	716850
96706-P0105	716790
97606-B0700	717611
9924-90-512B	716672
9926-50-635	718715
9927-40-821	716681
9927-40-825	717616
9991-00-402	716850
9991-00-403	716839
9991-00-412	717611
9991-00-501	716792
9991-00-503	716794
9991-00-601	716790
B003-68-865-00	725160
B092-51-833	724117
B455-56-135	725171
B467-68-AC3-02	725166
BC1D-56-145	723209
BF67-50-033	718726
BP4K-58-762	725169
E11451W24	725162
EA01-50-037	725164
F22Z-16774-A	716331
FB01-56-964	718722
G030-68-885B38	716331
G14S-50-EA1	725165
G18K-51-SJ3	724516
G350-68-AB1	723205
GA2A-58-762	720537
GD7A-50-EA1	724122
GJ6A-50-ES1	724820
GJ6A-58-975	725170
GK2A-50-798	724844
GS3L-68-615	725161
H001-50-841	716857
J001-56-741	725172
KA78-50-AF4	720989
MG350-68AB1	723205
MNA01-56-145	718723
MS-480001	717611
N304-13-356-A	718720

OEM to PART NUMBER BY MANUFACTURER

OEM Number	Part Number
MAZDA con't	
NA01-56-145	718723
NA01-56145	718723
S51S-51-833	725163
TD11-56-694	725168
TD12-51-SJ3A	725167
W705845-S300	724117
YL3Z-1521970-AA	721049
MERCEDES	
1104882	725202
1268642	725202
1719245	725202
9133417	725202
0711-9-916-945	716807
000-904-24-45	716804
000-990-29-92	725202
000-990-60-92	725202
000-991-59-40	725201
000-994-04-45	716805
000-994-06-45	716809
000-994-09-45	716811
000-994-14-45	716807
001-988-44-81	725194
001-988-46-81	725196
001-988-49-81	725190
001-988-50-81	725193
001-988-60-81	725198
001-988-63-81	725199
001-988-80-81	725195
001-990-16-92	725202
001-994-98-45	725205
003-990-02-51	724743
003-990-94-97	724512
004-990-16-97	725206
006-988-89-78	725191
007-988-71-78	725197
0712-9-925-708	716804
0712-9-925-737	716809
114-990-01-92	725202
123-994-08-45	724094
124-988-04-78	725192
124-988-94-78	725200
124-990-04-92	724509
16-13-1-176-747	724743
20-72-175	716811
201-990-05-36	725204
230-990-01-92	724517
2D1-867-741	725203
946-418	716811
A901-988-00-25	725203

OEM Number	Part Number
MINI COOPER	
51-41-8-224-768	724751
07-13-1-480-419	725222
07-13-2-757-821	725221
07-13-7-073-915	725220
51-41-0-407-984	724751
51-71-7-127-742	725223
51-77-7-171-002	724752
MITSUBISHI	
6027958	720556
94841764	716793
790184000	716848
H001-50-841	716857
01281-00028	716864
01281-00151	716848
01281-00161	716848
01553-09321	720637
01651-00481	716857
74798-S9000	716857
90189-05013	716793
90189-06001	716864
90189-06042	716857
90467-13075	725240
90661-SC7-003	716857
90672-671-811	716848
91512-SX0-003	720901
96706-H9400	716848
96706-K1300	716848
96706-K1351	716848
MB-098145	716864
MB-178894	717608
MB106212	716848
MB645307	724552
MF453091	725244
MR200300	723095
MR200300	723208
MR221507	725240
MR288150	725243
MR322000	725245
MR328954	720637
MR478262	723207
MR478263	723206
MS-480002	716793
MS-480012	716857
MS452348	725242
MU000319	720901
MU480001	725241
75522-611-0000	717611
97606-B0700	717611
9991-00-412	717611
MS-480001	717611

OEM Number	Part Number
NISSAN	
11561874	724908
20451119	718672
94051993	718710
790184000	716848
622A2-9E000A	724908
90189-06042	716857
90675-SB3-003	718722
90683-693-0000	716856
H001-50-841	716857
01241-00881	725279
01281-00022	716795
01281-00028	716864
01281-0005U	725267
01281-00151	716848
01281-00161	716848
01281-00501	725293
01281-00691	725292
01281-00831	724030
01281-01321	725262
01553-00051	717610
01553-00172	717620
01553-0038U	725282
01553-01182	724028
01553-01251	716327
01553-01A50	725290
01553-02253	725291
01553-02913	725276
01553-02923	725296
01553-03101	718713
01553-05131	725266
01553-06071	725284
01553-08231	725283
01553-08911	725273
01553-08961	725288
01553-09241	720796
01553-09321	720637
01553-09611	723186
01553-09791	725289
01553-2U001	725294
01553-S3500	716308
01651-00481	716857
10998-30880	718711
11296-AG000	724027
24225-89960	725264
26398-ED000	725063
26557-2U001	725294
622A2-9E000	724908
62319-0W000	723096
63844-01A00	718723
63844-01A99	718672

OEM Number	Part Number
NISSAN con't	
63846-5V000	725263
63848-01G00-A	724250
63848-40Y00	723381
63848-9E001	723295
63848-9Y000	725265
63876-95596	718722
63878-01E10	723203
65722-EA000	725268
65810-K2000	725269
65810-K2009	720967
65832-F5000	716326
65846-30F00	716326
65846-4Z000	725286
66814-01G00	718727
66820-61U00	725060
66860-01W01	718710
68425-H5000	716794
74798-S9000	716857
75521-611-0000	716790
75522-611-0000	717611
76848-71S00	725277
76882-0E700	725272
76882-0M060	725274
76882-EG01A	725270
76906-T3000	716330
76988-3DN0A	725275
76988-4N000	725271
78856-R4301	716856
80850-89900	725295
80850-CA003	725064
80874-0P000	723385
80874-AX000	725278
80999-VE000	725289
84915-0W000	720966
84953-JA00A	725287
84995-3J101	725285
85284-4J500	725261
894-298-1190	718711
90189-06001	716864
90189-06010	716790
90189-06013	716846
90189-06065	716846
90467-06054	717612
90467-07050	717620
90467-08185	723186
90467-090-6901	725291
90467-11005	716330
90661-SC7-003	716857
90662-671-0030	716794
90672-671-811	716848

OEM to PART NUMBER BY MANUFACTURER

OEM Number	Part Number
NISSAN con't	
90684-SA5-003	718711
91545-SE0-003	724250
96706-89901	716850
96706-H9400	716848
96706-K1300	716848
96706-K1351	716848
96706-P0105	716790
96706-W1000	716846
97606-B0700	717611
9991-00-402	716850
9991-00-412	717611
9991-00-503	716794
9991-00-601	716790
FB01-56-964	718722
MB-098145	716864
MB106212	716848
MNA01-56-145	718723
MR328954	720637
MS-480001	717611
MS-480012	716857
NA01-56-145	718723
NA01-56145	718723
OPEL	
1104882	725202
1268642	725202
1719245	725202
9133417	725202
000-990-29-92	725202
000-990-60-92	725202
000-994-09-45	716811
001-990-16-92	725202
114-990-01-92	725202
20-72-175	716811
946-418	716811
RENAULT	
77-03-072-360	725334
77-03-077-080	725330
77-03-077-225	725333
77-03-077-231	725331
77-03-077-435	725332
7703-077-066	718100
7L5-853-994	725566
SCION	
90467-A0008	724134
SUBARU	
46064-AE000	725388
57160-FC000	725381
57160-FC010	725367
57750-AA090	725384

OEM Number	Part Number
SUBARU con't	
57750-FC010	725404
59122-AC030	725385
59122-FA010	725383
62731-FA000	725373
62731-FA010	725403
66117-9000	725372
69300-5370	725395
90331-AA050	725406
90331-GA090	725407
90814-FC001	725392
90913-0003	725386
90913-0007	725371
90913-0008	725369
90913-0034	725394
90913-0051	725389
90913-0059	725379
90913-0067	725378
90913-0074	725393
90913-0109	725365
90913-0213	725398
90914-0002	725391
90914-0007	725374
90914-0012	725382
90914-0051	725375
90914-0052	725387
90914-0055	725377
90914-0063	725376
90930-0007	725372
90930-0015	725401
91017-FA080	725361
91059-FC030	725368
91059-FC041	725366
91059-FC090	725362
91059-FC110	725370
91084-AA010	725405
91085-TA030	725380
91167-AA000	725364
91167-FA010	725400
91486-KJ000	725363
91486-KJ010	725360
94078-FA080	725399
94081-FA010	725402
94415-FA000NE	725390
95022-AC040ML	725397
99045-AE03AMA	725396
MR288150	725243
09409-06309-5ES	725420
TOYOTA	
30006620	720807
88970494	723317

OEM Number	Part Number
TOYOTA con't	
88970767	723368
88973676	723317
94198687	718720
94841764	716793
94842841	716329
94849113	716329
94854203	720630
94858560	720782
95005064	716343
95008221	720776
95008221	720807
894-226-4920	717616
90662-693-003	716855
91500-SM4-999AH	718910
MS-480002	716793
MS-480012	716857
01281-00028	716864
01553-00172	717620
01553-02253	725291
01651-00481	716857
10116-41810	718736
51453-0E010	725138
51453-48010	725138
51454-0E010	725137
51454-48010	725137
52161-02020	720782
52161-16010	720782
52161-20010	724451
52535-0E030	725448
52535-30150	725139
53867-47020	725442
53879-20020	725463
53879-60010	724203
53888-48010	725469
55799-12010	720938
61991-35010	725449
61992-35010	725450
65613-07010	725486
67771-01010	716343
67771-01010	717616
67771-06070	720546
67771-12010F	717616
67771-12050	720807
67771-22010	716679
67771-22020	716680
67771-30090	720776
67771-32120	725142
67771-58010	725445
67773-0E020	725124
67867-0C010	720965

OEM Number	Part Number
67867-12150	720965
67868-02020	720965
67868-30030	725477
67869-12050	725490
69293-30030	725441
74798-S9000	716857
75392-35220	725127
75395-0T010	725446
75521-611-0000	716790
75819-33010	725443
75867-06030	725468
75867-33030	725473
75867-AA010	725473
75867-AC020	725456
76647-42010	725464
76817-12060	725455
76853-10010	725458
76879-44010	725489
76924-47010	725444
81137-22530	725459
81150-1A750	725459
81496-21010	725452
82711-12200	725440
90075-10004	725459
90080-46010	725474
90080-46294	725466
90084-26001	720771
90084-26002	723117
90189-04007	716867
90189-04066	716855
90189-04102	725485
90189-05013	716793
90189-06001	716864
90189-06003	716845
90189-06010	716790
90189-06013	716846
90189-06028	720630
90189-06042	716857
90189-06065	716846
90189-06104	720985
90189-06145	725484
90189-06157	720986
90189-06177	725482
90189-06211	725460
90189-06214	720987
90189-A0002	725483
90269-04053	723128
90269-06054	725488
90269-A0005	725487
90467-04034	725491
90467-05081	725461

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OEM Number	Part Number
TOYOTA con't	
90467-05096-22	720508
90467-05128	725462
90467-05136	725136
90467-05164-B6	725480
90467-05164-E2	725475
90467-06017-20	718720
90467-06128	725493
90467-07050	717620
90467-07071-22	725472
90467-07085	723126
90467-07146	721033
90467-07164	723119
90467-07166	720785
90467-07168	723317
90467-07188	724549
90467-07195	723191
90467-07201	724461
90467-07214	725465
90467-08004	716329
90467-08011	716329
90467-08045	725492
90467-08063	725492
90467-08101	725481
90467-08136	725478
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90467-09127	720629
90467-09139	720548
90467-09145	720795
90467-09166	724550
90467-09185	725470
90467-09204	725453
90467-09206	723250
90467-09212	725476
90467-09227	725467
90467-10107	720786
90467-10183	723368
90467-10186	725479
90467-10188	724053
90467-10206	725471
90467-11099	725447
90467-12073	725454
90467-12075	725457
90467-12080	725451
90467-13075	725240
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90467-A0018	725461
90657-SA6-0030	718720
90661-SC7-003	716857
91567-SR2-013	724993
93904-46320	718910
96706-P0105	716790
96706-W1000	716846
9927-40-825	717616
9991-00-601	716790
H001-50-841	716857
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10082036	720137
20729523	720373
VOLVO	
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1268642	725202
1719245	725202
9133417	725202
30624192	725510
30653441	725512
30784514	725511
20-72-175	716811
000-990-29-92	725202
000-990-60-92	725202
000-994-09-45	716811
001-990-16-92	725202
114-990-01-92	725202
1318908-9	723155
946-418	716811
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VW	
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6032363	718230
6500899	817106
9685057	718230
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11505329	716887
14015161	718743
20432975	817106
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171-807-249-A	725565
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175-853-577A	817113
175-853-695A	718743
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191-853-733-A	725540
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1H0-819-055-C01C	725554
1H0-823-397	725534
1H0-837-719	725568
1H0-853-585	725537
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1H0-853-585-B	725538
1H0-853-586	725551
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1H0-867-199-A	725555
1H0-868-243	725562
1H0-868-243-B	725563
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357-853-585	725571
357-853-585-A	725567
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3A0-853-575-A	725542
3B0-853-575	725543
3B0-853-576	725541
3C0-853-585	725580
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443-853-909-A	725544
4A0-805-121-A	725570
4A0-805-163	725352
4A0-853-825	725545
4A0-853-825-A	725546
4A0-853-825-C	725550
4A0-867-276	725351
6K0-868-243-C	725578
6N0-809-966A	725577
6N0-823-397-AC	725533
6Q0-868-243	725560
6Q0-868-246-A	725579
6Q0-868-297	725573
701-867-299	725556
703-867-299	725564
7L0-839-069	725548
7L5-853-994	725566
7M0-867-299-K	725103
8 934-201-681	716357
801-867-299-01C	725531
811-807-577-C	725574
867-809-966	725575
DYC500020	725103
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N15.422.2	716803
N90-335-006	725558
N90-796-501	725557
N90-796-502	725557
N90100001	716887
N90282401	716307
N90565301	725535
N90642001	725535
N908-131-01	725350
N98905101	718230

LUBRICANTS/ADHESIVES

SPECIAL ION-CHARGED FX FOAMING RUST PENETRANT with Teflon®*

- Penetrates immediately to free rusted parts.
- Long lasting, super thick foam clings to surface.
- Exclusive ion-charged formula that bonds to rust.
- Multi-purpose moly additives prevent future corrosion.
- Removes without damage to your fasteners.
- Long lasting, residual lubrication.

TOP TEN SELLER

NEW & Improved



Part No. **211108** (24)
15 oz. net wt. (425g)

*®Polytetrofluoroethylene
E.I. Dupont Co.

OMNI L/P
Aggressive Lubricant/Penetrant

- Blast through rust, grease and grime.
- Lubricates and quickly frees frozen nuts/bolts.
- Dries wet electrical and ignition systems.
- Non-flammable, non-conductive offers 5,000 volt dielectric strength per ASTMD1816.
- Reduces friction to prevent wear.
- Lubricant provides lasting protection.
- May be sprayed in an inverted position.
- Works better than PB Blaster and Torq CBII.



Part No. **211336**
15 oz. net wt.
(PSS100112)

Q-BOND FAST BONDING ADHESIVE

One of the finest products for repairing various types of breaks, cracks and other damages to a wide range of items.



Part No. **204050**
2 x 10ml Q-Bond Adhesive
1 x Grey Powder
1 x Black Powder

BLACK POWDER
• Bumpers • Grills • Radiators •
• Electrical Switches • PVC Pipes •
• Hand Tools • Waterbottles • Appliances •

GREY POWDER (Aluminum)
• Metal Casings •
• Small Engines up to 180ºC •
• Computers & Office Equip. •
• Carburetors (Oil & Gas Resistant) •

RAPIDFIX UV®

Adhesive that sets only with UV light. (PSS020816)

- Fix broken or expensive items.
- Saves on replacement cost.
- High strength bond - dries clear.
- Can be drilled, sanded or painted.

Repairs:
Plastic
Glass
Metal
Fiberglass
& more!



Part No. **204055**
UV Light & 10ml Adhesive

Part No. **204056**
REFILL - 1 Bottle
10ml Adhesive

PLASTIC WELD KIT

High performance grade cyanoacrylate adhesive

- Provides maximum bonding strengths of various plastics, elastomers and metals together or in combinations.
- Will not crack or craze.
- Penetrates between parts.
- Meets MIL-S-46050C Type 2 Class 1.



Part No. **811156**

LOCK EASE Graphited Lock Fluid

- Seals out moisture, protects against freeze-up.
- Prevents sticking, guards against rust & corrosion
- Graphite formula will not gum up.
- Leaves a penetrating, protective coating.



Part No. **211343**
3.5 oz. net wt. Aerosol

GEL-TAC EXTRA with Teflon

A unique combination of natural & synthetic lubrication agents coupled with a high molecular weight polymer (PTFE).

- Thin like penetrating oil reaches where other can't.
- Quickly sets up to a clear tacky gel. Resists being thrown off, vibration, and being washed off.
- Prevents sticking/freezing of rubber and metal to keep parts moving smoothly & quietly.
- Protective coating prevents rust, corrosion, and resists steam and salt spray.
- Extreme temperature capabilities; -30° F to over +600°F.

NEW 360° spray any way valve



(PSS031411)

Part No. **213162** (12)
13 oz. net wt. (368g)

SUPER BOND (TRIM ADHESIVE)

High temperature rated to 200°F.

- Web-like spray pattern eliminates high spots & overspray.
- Adjustable spray valve.
- Heat, moisture & water resistant.
- Bonds carpets, urethane foam insulation, vinyl tops, kick pads, upholstery, headliners, runners, etc.

TOP TEN SELLER

Outperforms or Exceeds:
3M 8080, 8090 Crest AA-A
Montana SA-360 Kent ST-A
Rubber-Seal R5-505
Talsol 3410, 3411



Part No. **211417** (12)
Net Wt. 15.75 oz. (447g)

FAST CURE EPOXY 45

Bonds, seals, repairs door glass, channels, trim, broken plastic grills and cracked or broken castings.

- Contains 10 premeasured mixer cups.
- No mess, no guess, no waste.
- Bonds in 5 to 15 minutes.
- Color - grey.



Part No. **812275**
10 cups: net 2g each
Permatex No. 21425

3M ULTRAPRO CLEAR TRIM & EMBLEM ADHESIVE

- Plastic top with brush applicator helps prevent lid from becoming stuck to the bottle.
- A clear, colorless adhesive for use on emblems, mouldings, weatherstrip, carpet, fabric, etc.
- Provides fast tack and excellent adhesion.
- No clotting or stringing.
- Sag resistant.
- Won't harm cured paint.
- Waterproof.



Part No. **211351**
1 pint bottle
3M No. 08063
(Clear)

CHEMICALS

ADHESIVES and SEALANTS

SUPERBOND 8000 STRUCTURAL ADHESIVE

More than 8,000 lbs. tensile strength
• Industrial • Marine • Automotive •



- Bonds plastics, metals, composites, wood, concrete and dissimilar substrates.
- Environment Friendly - 100% solids - low VOC.
- Rapid cure at room temp. - no heat or UV.
- Easy dispensing through hand held dispensers or meter mix equipment.
- May be drilled, tapped, sanded, machined and painted after cure.
- NO surface preparations such as sanding or grinding.
- Replaces mechanical fasteners - increased design freedom with reduced weight.
- Unused portions can be resealed and saved.
- Bonds thin or sheet metal where dimpling or scorching of the metal due to welding is not acceptable.



PIX OF ASSEMBLY

• AVAILABLE IN KITS •

"3 CARTRIDGE KIT"

(3) 50ml dual cartridge packages, (6) static mixers, (1) dispenser gun

Part No. 811245

"6 CARTRIDGE KIT"

(6) 50ml dual cartridge packages, (12) static mixers, (1) dispenser gun

Part No. 811246

• OR AS INDIVIDUAL COMPONENTS •

50ml DUAL CARTRIDGE

(includes one static mixer per cartridge)

Part No. 811247 (6)



STATIC MIXER



Part No. 811248 (12)

DISPENSER GUN



Part No. 811249

IMPORTANT: STORAGE AND SHELF LIFE. Raelyn methacrylate adhesives should be stored in a cool dry area away from heat. A shelf life of one year is based on storage between 55-75° F. Long term storage above 75° F will reduce shelf life of the materials. Prolonged exposure above 100° F greatly diminishes the product reactivity and should be avoided. Shelf life can be optimized by refrigeration 45-60° F. This product should never be frozen or stored below 45° F.

OUR SUPER WEATHERSTRIP ADHESIVE

- Handiest adhesive there is for bonding weatherstrip to doors or trunk lids.
- Thin bodied, spreads easily.
- Same top quality at a significant savings.





Part No. 812370 (12)
5 oz. tube (Amber)

REAR VIEW MIRROR ADHESIVES



- Remounts mirror brackets in seconds.
- 60% strength - 3,000 psi in two minutes.
- Kit makes (1) repair.
- Easy clean-up.

Net .03 fl. oz. also available
Permatex No. 81844
Part No. 812230

Part No. 811214
Net .03 fl. oz.



Part No. 812265
Net 6 ml bottle
Permatex No. 3346

URETHANE AUTO GLASS SEALANT

A one part urethane adhesive sealant for bonding windshields, backlites and quarter windows.

- Substantially stronger than butyl.
- Cartridge will install (2) windshields.
- Easy handling and fast setting properties.
- For re-installation, urethane bonds & seals to original factory installed urethane sealant.
- Color: Black.



Part No. 211328 (6)
Net. wt. 11 fl. oz. cartridge (Black)
3M No. 08609

3M STRIP CALK

For sealing openings in the car where a soft non-hardening material is needed.

- Good for use in seams, cracks in joints, trunks, cracks around pillar posts, cowling and windshields.
- Color: Black.
- Strip-Calk is waterproof, will not shrink, requires no application tools, and can be painted.



Part No. 908578
1 ft. lengths, 60 per box
3M No. 08578

3M ALL-AROUND AUTOBODY SEALANT WHITE

For sealing interior/exterior autobody joints & seams.



- Applies easily, can be smoothed to a featheredge with a wet finger and sets to a firm, tough, rubber-like, water-resistant bead.
- Can be painted within 30 minutes.
- Water cleanup (before it dries).
- Will not harm paint.

Part No. 908500
10 fl. oz. Net Weight
3M No. 08500

Fits 1/10 gallon Cartridge Gun

REPAIR ADHESIVE



UNIVERSAL URETHANE FAST ADHESIVE

For use on all plastics. Use to bond, repair and fill bumper tabs, tears, brackets and also bond emblems, body side moldings and ground effects.
1-2 minutes working time.

Part No. 444117 7 fl. oz. / 207 ml

UNIVERSAL URETHANE BUMPER REPAIR

Medium material offers exceptional strength for any plastic repair, easy sanding.
5-10 minutes working time.



Part No. 444118 7 fl. oz. / 207 ml

RELATED PRODUCTS (PSS113016)

HD Caulking Gun, Part No. 444114
Static Mixers, Part No. 444116-6

SEALANTS/CLEANERS and APPEARANCE PRODUCTS

3M FAST 'N FIRM SEAM SEALER (Caulk Gun Cartridge)

- Adheres well to clean, bare, primed metal & painted surfaces.
- Skins over in quickly, can be painted in 30 minutes.
- Seals interior and exterior joints.
- Ideal as general purpose water and dust sealer.
- Will withstand mild forced drying.
- Has excellent tooling & sanding properties and exhibits low shrinkage and good resistance to weathering after cure.



Part No. 908505
Net wt. 10 oz. (Biege)
Fits 1/10 gallon caulk gun
3M No. 08505

SEAL-IT

MULTI PURPOSE SEALANT

Use on skylights, flashings, air vents, PVC, concrete, shingles, gutters, driveway, sidewalk cracks, roofs of semi-trailers, campers & homes.

- Protects against UV light and resists temperature extremes.
- Coating remains flexible & will not crack or peel.
- Impervious to water.
- Abrasion resistant.
- Seals out rust & corrosion.



(PSS022412)

DESCRIPTION	PART NUMBER	QTY
Black	**44448**	12
Clear	**44459**	12

15 oz. net weight (425g)

PLASTIC WELD DEBONDER

- Safely removes super high strength plastic weld repair kit material from misaligned parts.
- Removes accidently glued together skin safely.
- Will remove & dissolve cured adhesive.



Part No. 811159
20 g. (0.68 fl. oz.)

"GLEAM BEAM" HEADLIGHT RESTORER



- Cleans and polishes in one step.
- Built in UV protector.
- Removes film, dirt, grime and UV damage, lines, acid rain and yellowing.
- Transforms cloudy headlights to like new.

CLEANS 6 VEHICLES



Part No. 444109
6 fl. oz. Net Weight
(PSS092315)

TOUCH SCREEN CLEANER

Safely removes oils, grime & other abrasive stains.

- Gently & effectively cleans touch screens.
- Wipes away fingerprints.
- Compact size bottle (approx. 4 oz.) fits anywhere.
- Comes with a microfiber cloth to prevent surface scratches (micofiber cloth 6-1/4" square).

Use on: vehicle DVD displays, GPS, navigation screens, tablets, laptops and cell phones



Part No. 211389
100 ml net weight (3.28 oz.)
(PSS060716)

FUEL TANK REPAIR KIT



- Makes quick, permanent repairs to leaks in all types of metal fuel tanks, without the dangerous welding.
- Repairs cracks up to 4" (10cm) long and holes up to 3/8" (9mm) in diameter.
- Ideal for cars, light trucks and commercial vehicles.
- **NOT FOR USE** on **PLASTIC** fuel tanks.

Part No. 812378
Net Wt. .09 oz.

BULLSEYE™ WINDSHIELD REPAIR KIT

Saves hundreds on unnecessary windshield replacement



- Repairs stone damage on most types of laminated windshield glass up to 1" diameter.
- Makes crystal clear repair in 30 minutes.
- No mixing or special tools required.
- Not recommended for severe star damages or cracks.
- Kit makes (1) repair.

Part No. 812352
.17 fl. oz.
Permatex No. 16067

3M SINGLE STEP PRIMER

- Single Step Primer for auto body windshields to promote urethane adhesion to the windshield; can also be used to touch pinchweld scratches and to primer encapsulated glass.



Part No. 908681
Net. wt. 125 ml.
3M No. 08681

"GLEAM BEAM" HEADLIGHT RESTORER KIT



- Cleans and polishes in one step.
- Built in UV protector.
- Removes film, dirt, grime and UV damage, lines, acid rain and yellowing.
- Transforms cloudy headlights to like new.

Cloths Included.

CLEANS 2 VEHICLES



Part No. 444110
2.8 fl. oz. Net Weight
(PSS092215)

HEADLIGHT LENS RESTORER

Rated #1 by the world's largest independent test lab.



- This Nano optical grade polish has been formulated to work on all plastic, lexan & glass auto lens covers.
- It will permanently remove yellowing, haze cloudiness, light scratches, bugs, road debris & micro pitting. Perfect finish every time.
- Improves & repairs damage - giving you clear sight of the road.
- Safe & chemical free, no coatings or fillers.

Part No. 812373

AUTOMOTIVE CLEANERS and APPEARANCE PRODUCTS

ZORRO
REJUVENATOR, PROTECTANT & TIRE DRESSING

- Safe for use in paint & body shops.
- Rich, satin like, non-oily, like new finish.
- Protects against harsh elements/ conditions, brake dust and UV damage.
- Prevents fading, drying & cracking.
- Use on rubber, vinyl, consoles, window, trims, bumpers, floormats, tire sidewalls, door panels, dash & running boards.



Part No. 444100 (12)
32 oz. Quarts
(with trigger sprayer)

Part No. 444100G1 (4)
128 oz. Gallons

PRO-TECH "WET LOOK" HIGH GLOSS DETAIL DRESSING

A no-fuss brightener for vinyl, rubber & plastic. Use on tires, trim, bumpers, moldings and exterior surfaces. Also on interior vinyl & plastic surfaces.

- Works instantly, no wiping.
- Long lasting, clear, non-foaming formula provides a water resistant high gloss shine.
- Great for hard-to-reach places.
- Contains silicone.
- Watermelon scent.





Part No. 211453 (12)
12 oz. net weight (340g)

SPEEDY WAX

Sprays on in minutes to get a showroom shine. Provides protection, water beading and shine that lasts for weeks without buffing.

- Wax in minutes.
- No waiting.
- Showroom shine.
- No buffing necessary.
- No powder or dusting.





Part No. 211204 (12)
16 oz. net weight (454g)

VELOUR & CARPET CLEANER and SPOT REMOVER

Removes spots & stains from carpet, velour and upholstery in minutes.

- Safe on all fibers.
- Leaves no circle or ring.
- For all automotive or industrial applications.

TOP TEN SELLER





Part No. 211334 (12)
18.75 oz. net weight (532g)

BATTERY CLEANER and PROTECTOR

Two products in one can, cleans & protects.

- Penetrates, dissolves and neutralizes corrosion and acid build-up on all storage batteries.
- Leaves protective seal against future corrosion.
- Increases electrical conductivity & prolongs battery life.
- Color: Red.

NEW EPA Compliant Formula
No MCL, CFC's or Trichloroethane



TOP TEN SELLER



Part No. 211586 (12)
Permatex No. 80369
5.75 oz. net weight

FOAMING TIRE CLEAN & SHINE

Cleans and shines tires, mud flaps and rubber bumpers. Excellent underhood cleaner and dressing.

- 1-Step Formula.
- Two products in one. Amazing foaming action, cleans and shines without washing or wiping.
- Easy to use. Simply spray it on and walk away.
- Large size aerosol can contains enough product to clean, shine and protect up to 30 tires.
- Will not harm tires, bumpers, aluminum wheels or paint.



Part No. 211337 (12)
15-3/4 oz. net wt (446g)

VINYL, LEATHER and PLASTIC CLEANER and CONDITIONER

Cleans, brightens and restores the "New Look" in just one easy step.

- Safe - will not harm fabric, chrome or paint.
- Will not crack, peel or craze.
- Use on vinyl tops, convertible tops, dashboards, seats, floor panels etc.





Part No. 211335 (12)
14.75 oz. net weight (418g)

SPEED CLAY

Professional results without the clay bar mess!

- Removes debris, contaminates and dead pigments that washing and polishing can't.
- Will not harm paint.
- Easy one step process.
- Foam on – wipe off.
- Restores showroom shine.



Part No. 444108 (12)
6 oz. net weight (170g)

LIQUID CAR & TRUCK WASH CONCENTRATE

- Non-streaking, fast rinsing, shine enhancing, biodegradable & outperforms all others.
- Costs less than powders, which contain 80% or more Carbonate of Soda or Sodium Sulfate.
- High foam, low viscosity that won't inhibit flow like the thick, high viscosity liquids. DON'T BE FOOLED. Concentrated doesn't always mean thick. Hand & machine use.
- Dilution rate: mix 1-2 oz. per bucket of water (2-1/2 to 3 gal).



Part No. 211206G1 (4)
1 gallon container

Part No. 211206G55
55 gallon container

DE-FUNK
HVAC CLEANER/DEODORIZER



- Strong detergents clean and remove mold, mildew and fungi in A/C systems.
- Completely eliminates germs and odors from evaporators.
- Insert tube directly into the center register vent.
- Safe for all A/C systems.
- Keeps cars fresh smelling.
- Made in U.S.A.

BODY SHOP SAFE

FRESH Lavender Scent

Part No. 444107
9 oz. net wt. (255g)
(PSS092115)

CLEANERS and HAND CLEANERS

CRYSTAL CLEAR

- Designed to remove dirt, grease & grime on hard surfaces.
- Heavy duty foam clings & penetrates soils.
- No dripping, running or build-up on surfaces.
- Especially great in body shops since it is ammonia & silicone free.
- Cleans, restores and shines.



Ammonia & Silicone FREE

Part No. 211629 (12)
19 oz. net weight (538g)

CHEWING GUM REMOVER

Removes chewing gum, candle wax, putty, gummy candy and more.

- Works great on carpets, upholstery, vinyl, leather, fabrics, plastics, glass and metal.
- Instantly freezes material to be removed.
- Will not harm or stain surfaces.
- Leaves no residue.
- Contains NO CFC'S or Ozone depleting ingredients.



Part No. 211466 12
6-3/4 oz. net weight (191g)

"WONDER" PREMIUM HAND CLEANER

Non-solvent formula eliminates drying & cracking of your skin



- Contains the Anti-Microbial "PCMX", superior skin emollients and skin conditioners.
- No dyes or perfumes.
- Contains natural walnut shell scrubbers.
- Thick concentrated formula reduces hand soap use by up to 75%.
- Washes away completely with no greasy residue.
- No phosphates
- Low Cost per use with Metered DIspenser.





Part No. 13181 4
120 fl. oz. 3.55 liters
Dispenser sold separately, Part No. 13184

Part No. 13183
18 fl. oz. Portable Squeeze Bottle

Lifetime Dispenser
Part No. 13184

GREEN EARTH SERIES Environmentally Responsible

PROMOTE HEALTHY SKIN CARE

RECYCLE | RENEW | REUSE

CLING 'N CLEAN

- Non-ammoniated, clinging formula and ready to use.
- Multi-surface cleaner.
- Quickly removes dirt, grease and grime.
- Neutralizes and eliminates odors.
- Wipes off quickly without streaks or rainbows.
- Drys crystal clear.
- Prevents fingerprints & smudges.
- Leaves a pleasant citrus crème fragrance.



CONTAINS NO CFCs WHICH DEPLETE THE OZONE LAYER — NO CFCs

RECYCLE RENEW REUSE

(PSS021010)

Ideal for vertical surface cleaning!

Part No. 211591 (12)
Quart size (32 oz.)

KAPOW TOWELS

Knocks Out Those Tough Cleaning Jobs

Heavy duty pre-moistened cleaning towels that consists of specially formulated dissolving agents for grease and grime. They also have "Kapow" beads on one side to provide a slightly rough texture when more cleaning help is needed.

- No water needed – clean up anywhere.
- Convenient size package.
- Economical since it replaces cleaners & rags.
- Non-flammable .
- Safe on your skin – contains vitamin E & aloe
- Non-shredding.

Solves these cleaning problems:

Odors from hands	Tar & asphalt
Carpet spots	Gasket cement
Permanent marker	Paints & varnishes
Nail polish	Coffee stains
Labels & residue	Crayon marks
Most graffiti	Tree pitch
Caulking	Plumbers cement

* Pre-testing is recommended on certain plastic surfaces. Do not use on any item with a protective finish.*



Dual textured: rough on one side and smooth on the other

Part No. 901035
Size: 9" x 12"
Count: 80 towels

CGB CHERRY GRIME BUSTER HAND CLEANER

Used by automotive, maintenance, tool & machine, print shops, truck & equipment repair facilities and construction areas.



- Super thick concentrated formula stays on your hands during washing.
- Low solvent formula.
- Pumice based for tough grease, oil, dirt and grime.
- Contains superior emollients to reduce dry and cracked hands.
- Mild cherry scent effectively overcomes residual odors.
- Use 1/2 the soap, get twice the results.
- Similar to Zep Cherry Bomb.

Part No. 13182
120 fl. oz. 3.55 liters
Dispenser sold separately, Part No. 13184



Part No. 13178
18 fl. oz. Portable Squeeze Bottle



Lifetime Dispenser
Part No. 13184

(PSS071416)

CHEMICALS

CLEANERS

DRAGON GRANULES



- Industrial strength granular cleaner.
- Dissolves grease, oil, dirt from concrete & other washable surfaces.
- Powerful cleaning & degreasing.
- Mild abrasive action for deep cleaning.
- Hard water tolerant.
- Fast acting, hard working & biodegradable.
- Deodorizes as it cleans, fresh orange scent.
- Free rinsing.

Part No. 444101-25 25 lb. container
Part No. 444101-50 50 lb. container
Part No. 444101-100 100 lb. container

"PRESSURE MAX" HEAVY DUTY PRESSURE WASHING FORMULA



- Removes grease, grime & other deposits on all parts of engines, parts & vehicles.
- Excellent with high or low pressure, hot or cold water.
- Contains biodegradable surfactants, non-phosphate.
- Non-flammable, non-corrosive & non-butyl.
- Extremely safe for workers, surfaces & environment.
- Leaves surfaces free of residue.

Part No. 44438G5 5 gallon container | **Part No. 44438G55** 55 gallon container

SURE SOLV

Sure to solve all of your clean up needs.



- Easy to use, wipes on/off & leaves no residue.
- Safe & effective, will not damage most painted surfaces.
- Fast flashing formula leaves no lingering odors.

Use it for: removing sealants, adhesives, waxes, uncured urethanes, stains, grease spots, paint overspray, road tar, chewing gum, spot cleaning and surface prep.

Part No. 44491 (Aerosol 16 oz.)
Part No. 44492 (32 oz. Liquid)

DE-SOLV-IT

Engine and Equipment Degreaser



- Specially formulated to remove dirt, grease and oil from all mechanical engines, machinery, tools and even greasy floors.
- Simply spray on DE-SOLV-IT - it penetrates through layers of dirt, grease and grime, down to the metal itself.
- Biodegradable formula emulsifies grease & oil.

Part No. 13111 6
1 lb. 2 oz. net wt. (510g)

MAGNUM

Heavy Duty Industrial Foam Degreaser

Biodegradable • Water Soluble



- Heavy duty powerful" foam gun" spray clings to surfaces.
- Contains ultra fast, super powerful, grease dissolving agents and detergents.
- Provides extended degreasing contact time.
- Quickly breaks down grease and grime.
- Easy clean up - may be flushed away.

Part No. 211628 (PSS060811)
Can Size 20 oz.
Net Weight 16 oz. (453 g.)

NO CFCs — STEEL®

"SHOP MAGIC" HEAVY DUTY ALKALINE FLOOR CLEANER

Removes grease, oil, fats, carbon, wax, ink, tar, asphalt & other stubborn soils.



- Apply with auto scrubbers, mop, brush or pump sprayer.
- Low foaming, free rinsing, non-acid cleaner.
- Contains biodegradable surfactants.
- Dilute with hot or warm water for best results.

Part No. 44437G1 1 gallon container | **Part No. 44437G5** 5 gallon container

SPRAY GUN PAINT REMOVER

Quickly dissolves paint with pinpoint spray.



- Spray Gun Paint Remover will keep paint guns running smoothly, saving time, labor and material.
- Spray Gun Remover is an easy to use economical product for removing paint from spray guns after painting.
- Designed to remove hard, cured paint build-up from spray guns, eliminating wear and tear on the equipment.

Part No. 444105
15 oz. net weight (425g)

PSS081315

FASTBALL ALKALINE CLEANER/DEGREASER

Rinses easily - Leaves no film • Non-hazardous

(PSS100312)

Comes in two formulas:
Highly Concentrated Formula (the dilution depends on the job) and Ready-To-Use Formula for quick spray & go applications.

Don't use on Aluminum



- Industrial grade and formulated to quickly and effectively penetrate, break up and remove stubborn oil, grease and tough soils.
- Designed to work even in hard water.
- Great to use for equipment degreasing, vent hoods & ducts, oil spills, floor cleaning, garbage containers, concrete pads, floor drains, waste receptacles, asphalt pavements, floor wax stripping, pressure washing trucks, washing coils, detailing engines and more!
- A multi-purpose product for a wide variety of applications, eliminating the need to stock several different solvents and cleaners.

Part No. 44447
1 qt. spray bottle
Part No. 44447G1
1 gallon container
Part No. 44447G1-4
4 gallon containers/case qty.
Part No. 44447G5
5 gallon pail
Part No. 44447G55
55 gallon drum

PAINTS/COATINGS

GRAVEL GUARD II

Premium quality, 100% rubber base undercoating.



- Black OE coarse textured finish.
- Professional body shop formula.
- Adheres well to bare metal or painted surfaces.
- Resists salt spray, weathering and gravel abrasion.
- Prevents rust, deadens sound, seals and protects.
- Expands & contracts automatically with weather changes - will not harden & crack.

Quick drying, paintable!

Part No. 211317 (12)
17.25 oz. net weight (503g)

FLEXIBLE BUMPER & TRIM PAINTS



- High solids, fast drying, flexible formula.
- Formulated to refinish plastic and metal bumpers and trim components.
- High quality refinish duplicates OE appearance.
- Contents 16 fluid oz., 12-3/4 oz. net wt. Available in single cans or six packs.

PART NUMBER	QTY	COLOR	DESCRIPTION
124135	6	Satin Black	Low gloss matches foreign and domestic bumpers & trim.

CHROME-BRITE

The almost like chrome spray paint.



- Excellent for touch-up on chrome or almost any surface where a chrome-like finish is desired.
- Restores the new chrome appearance of bumpers, grills, furniture, light fixtures, hubcaps and wheels, etc.

Part No. 12495
16 fluid oz., 12.1 oz. net weight

ZINC GALVANIZING COMPOUND

For apps. where metal is subjected to corrosion & rust.



- Protection equal to hot-dipped galvanizing.
- Highly resistant to salt corrosion & water.
- Epoxy resin binder.
- Can be top coated with conventional primers & finishes. Avoid lacquers & alkyds.

Zinc Rich Cold Galvanize

Part No. 211303 (12)
16 fl. oz. / 13 oz. net weight (369g)
Dark Gray Matte Finish

Part No. 211304 (12)
16 fl. oz. / 12 oz. net weight (340g)
Bright Metallic Silver Finish

SPECIALTY TOP COAT

PSS113016

INSTANT CLEAR COAT



- Ready to use clear coat aerosol.
- Achieves a UV resistant, durable finish.
- Fast drying formula cures to a very high gloss and mirror image depth.

FOR USE ON:
Replacement parts, door jambs, hood & trunk jambs, cut ins, small spots and panel repairs.

CONTAINS NO ISOCYANATES

Part No. 444115
12 fl. oz. / 340g

FLEX PROTECT

METAL PARTS PROTECTOR - CORROSION INHIBITOR



- Provides indoor & outdoor protection with a long lasting anti-rust, anti-corrosion film that is resistant to salt sprays, harsh weather, humidity & chemical vapors. Seals out moisture, pollutants and air.
- Contains a unique amber flex dust that expands & contracts with all metal surfaces to prevent cracking & peeling.
- Meets Military Specifications: MIL-C-16173D & MIL-C-83933A
- For parts that require long term storage or transportation.

NO CFCs

MADE IN THE U.S.A.

Part No. 211331 (12)
15 oz. net weight (425g)

ONE STEP AUTOMOTIVE SELF ETCH PRIMER



- ONE STEP is a high build, easy to use self etch primer that provides excellent adhesion for additional topcoats, primers, and sealers to metal.
- Compatible with all primer surfacers for spot repair and refinishing.
- Apply to steel, aluminum, most metals and other substrates.
- Good filling characteristics.
- Fast drying.

PSS081415

COLOR	PART NUMBER
Grey	**444103**
Black	**444104**

15 oz. net weight (425 g)

COVER-ALL HIGH SOLIDS ENAMEL PAINT

For Automotive, Industrial & MRO Applications

Use on: vehicle frames, machinery, racks, bins, tanks, piping, ornamental iron, PVC, wood & more!



- The premium solids formula results in using less cans of product to get the job done right, the first time.
- COVER-ALL provides the highest coverage per ounce.
- One can is equivalent to using four cans of low solids, less expensive brands.
- Maximum protection to a wide variety of metal.
- Excellent spray characteristics.
- Protects against weathering, rust, oil, gasoline and corrosive chemicals.
- High opacity and great durability.
- Direct to metal.
- Tough and Effective.

(PSS020216)

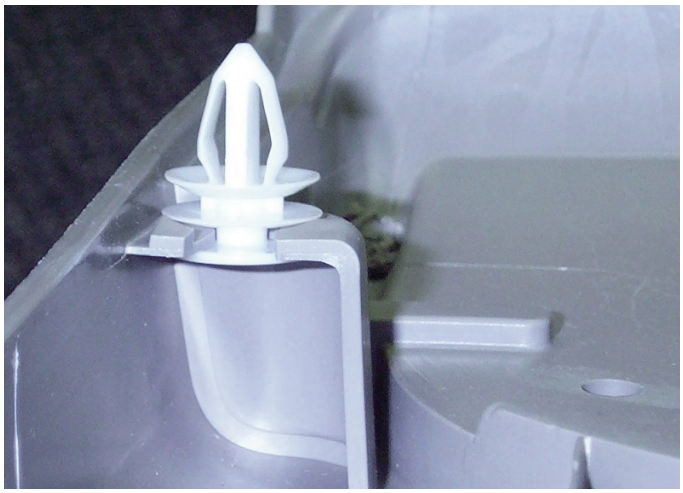
DESCRIPTION	PART NUMBER	QTY
Lt. Gray Primer	**124252**	12
Gloss White	**124251**	12
Flat White	**124257**	12
New Equip. Yellow	**124255**	12
Safety Yellow	**124260**	12
School Bus Yellow	**124269**	6
Omaha Orange	**124266**	12
Safety Orange	**124261**	12
Red Iron Oxide	**124253**	12
Safety Red	**124262**	12
Dark Green	**124267**	12

20 fluid oz., 16 oz. net weight

DESCRIPTION	PART NUMBER	QTY
Safety Blue	**124263**	12
Deep Blue	**124268**	12
Aluminum	**124264**	12
Gray ANSI 61	**124258**	12
Lt. Machinery Gray ANSI 70	**124256**	12
Dk. Machinery Gray ANSI 40	**124259**	12
Gloss Black	**124250**	12
Flat Black	**124254**	12

20 fluid oz., 16 oz. net weight















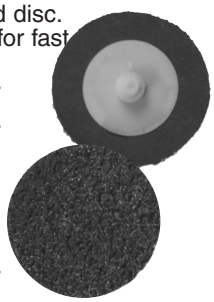
NON-WOVEN ABRASIVES

PREDATOR SERIES

Use for aggressive grinding, stock removal, welds, deburring, rust & corrosion.



- The premium performing disc in the quick-change grinding category.
- Self-sharpening, high performance ceramic grain will cut 2Xs faster & last 3Xs longer than general purpose alumunim oxide grain.
- Made with durable heavy-duty vulcanized fibre backing.
- Fibre backed disc provide extended service life vs. conventional cloth backed disc.
- Popular "male" fastening system allows for fast & easy disc engagement.



PART NUMBER	GRIT/ GRADE	DIA.	DISC HOLDER	MAX RPM	QTY
815250	50	2"	**815282***	30,000	25
815251	36	2"	**815282***	30,000	25
815252	24	2"	**815282***	30,000	25
815253	50	3"	**815283***	20,000	25
815254	36	3"	**815283***	20,000	25
815255	24	3"	**815283***	20,000	25

***1/4" shaft diameter**

SURFACE PREP & GRINDING DISCS ASSORTMENT – FOR STEEL & ALUMINUM –





Part No. 501789

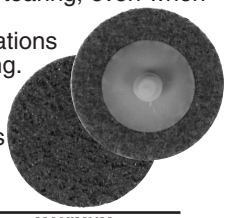
44 pieces • 11 items • 12051 steel tray

811676	815260	815263	815282
815250	815261	815270	815283
815251	815262	815271	

Numbers in assortment

ERADICATOR SERIES

- Premium grade made with ceramic-coated grain to provide added durability, cut rate and extended service life vs. standard (economy) grade.
- Cushioned-type construction provides excellent conformability, consistent cut rate and uniform finish.
- Made with a flexible matrix of woven nylon filaments with abrasive particles of grain.
- Reinforced scrim backing incapable of tearing, even when snagged.
- Excellent for non-stock removal applications such as cleaning, blending and finishing.
- Effectively used on most every type of material.
- Popular "male" fastening system allows for fast & easy disc engagement.



– STEEL PARTS –

PART NUMBER	DIA. (INCHES)	GRIT/ COLOR	DISC HOLDER	MAXIMUM RPM	QTY
815260	2	medium/maroon	**815282***	30,000	25
815261	2	coarse/brown	**815282***	30,000	25
815262	3	medium/maroon	**815283***	20,000	25
815263	3	coarse/brown	**815283***	20,000	25

***1/4" shaft diameter** — **Disc Holder - Sold 1 Per Box**

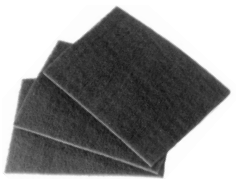
– ALUMINUM PARTS –

PART NUMBER	DIA. (INCHES)	GRIT/ COLOR	DISC HOLDER	MAXIMUM RPM	QTY
815270	2	(SUFN)/gray	**815282***	30,000	25
815271	2	(VFN)/blue	**815282***	30,000	25
815272	3	fine/gray	**815283***	20,000	25
815273	3	medium/blue	**815283***	20,000	25

(SUFN) Super Ultra Fine
(VFN) Very Fine — **Disc Holder - Sold 1 Per Box**

SURFACE CONDITIONING HAND PADS

- Bonded aluminum oxide grain provides constant, long-lasting, cutting & polishing action.
- Replaces steel wool with no rusting, splintering or contamination.
- Tough, heavy duty non-woven material outlasts paper-backed abrasives. Can be used wet or dry; washable and reusable.
- Adaptable to both hand or machine finishing.



113262 **Extra coarse (gray) -** very fast material removal and heavy duty cleaning. Out-cuts all other pads. Can be used to create a decorative scratch finish.

113222 **Medium coarse (green) -** a general duty pad. Ideal for scuffing acrylics & blending paint. Well suited for light duty cleaning, finishing, rust removal and light oxide removal.

113227 **Medium fine (maroon) -** an ideal general purpose pad. For hand blending, cleaning and finishing. Removes rust and corrosion, imparts a satin finish on extruded aluminum. Can be used to clean up printed circuit boards. Use to scuff surface before applying paint or primer/surfacer. Excellent for used car reconditioning, cleaning upholstery, headliners, door pads, chrome & cleaning whitewall tires.

113234 **Fine (gray) -** especially suited for light cleaning and fine finishing of all metals, plastics and fiberglass surfaces. Removes fine burrs on hreaded parts, cleans glass, molds and polishes dies. Ideal for rubbing down primer and sealer coats in woodworking. Also for final sanding of primer/surfacer before applying auto body paint finishes.

– HAND PAD TEST KIT –

Part No. 113299

(2) - extra coarse (2) - medium fine
(2) - medium coarse (2) - fine

PART NUMBER	DESCRIPTION	COLOR	INTERCHANGE 3M	INTERCHANGE NORTON	INTERCHANGE ANDERSON	QTY
113222	Medium Coarse (general purpose)	Green	N/A	668	61768	25
113227	Medium Fine (general purpose)	Maroon	**907447†**	707	60000	25
113234	Fine	Gray*	**907448†**	635	60247	25

***Silicone Carbide** — **† 3M quantities are 20 per box.**

STRIPPING DISCS

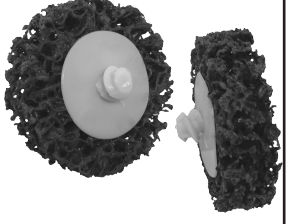
The open web-like structure of this heavy duty non-woven material offers a unique combination of an aggressive cleaning action and a refined finish. The red material has a tight web construction and is more rigid, has a faster rate-of-cut and is more resistant to wear when introduced to sharp angles and edges, giving it a longer service life. It's very effective for non-loading removal of paint, scale, rust, corrosion, grease, oil and most coatings. Use it on stainless steel, carbon steel, aluminum, titanium, fiberglass, plastics, composites, wood and stone.

QUICK CHANGE DISCS

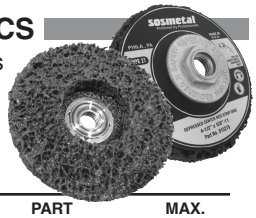
- Quickly mounts to Type R quick change holder for use on pneumatic tools.
- Adapts to contours & irregular surfaces. Accesses confined & hard-to-reach areas.

PSS012216

SIZE	COLOR	PART NUMBER	QTY	HOLDER NUMBER
2	Red	**815274**	5	**815282**
3	Red	**815275**	5	**815283**



TYPE 27 DISCS



- Disc is mounted to a rigid fiberglass backing plate to be used on a right angle grinder without the need for a backing pad.
- The aggressive nature of the material makes these ideal for extremely heavy "scrubbing"of large spacious surface areas.

PSS012116

SIZE DIA.xARBOR	COLOR	PART NUMBER	QTY	MAX. RPM'S
4-1/2 x 7/8	Red	**815278**	2	11,000
4-1/2 x 5/8-11	Red	**815279***	2	11,000

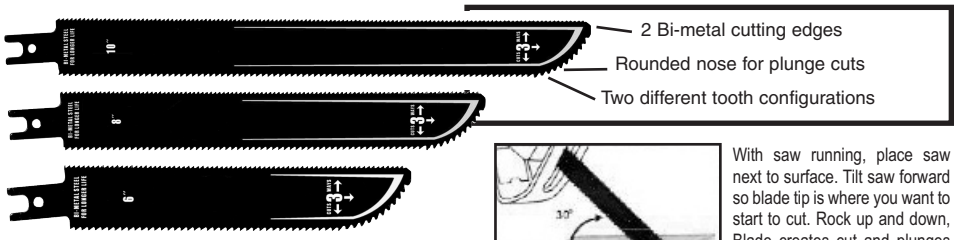
***Note: Disc with 5/8"-11 threaded arbor system mounts quickly to the tools threaded spindle.**

SAW BLADES

TRIPLE EDGE RECIPROCATING SAW BLADES

The ONLY blade that cuts in either direction without turning over the saw!

- Bi-metal steel for longer life.
- Teeth on opposing edges for two-way cutting.
- Rounded tip prevents kickback.
- Saves time in changing blades.
- Plunge cuts - no pre-drilling.
- Fits most reciprocating saws.
- Back & forth cutting - without turning the saw.
- Cuts wood, sheet metal, MDF, plastic and steel pipe.
- Two pronged tang for stability and control.



PSS052112

With saw running, place saw next to surface. Tilt saw forward so blade tip is where you want to start to cut. Rock up and down, Blade creates cut and plunges through material.

PART NUMBER	LENGTH	TEETH PER INCH	PKG QTY
114562	6"	7 x 7	5
114563	8"	7 x 7	5
114564	10"	7 x 7	5
114565	6"	7 x 10	5
114566	8"	7 x 10	5
114567	10"	7 x 10	5
114534	6"	10 x 14	5
114538	8"	10 x 14	5
114539	10"	10 x 14	5

RECIPROCATING SAW BLADES (SAWZALL)

Fits: Most U.S. and Foreign made saws.

PART NUMBER	L x W x T INCH	TEETH PER INCH	SHAPE	RECOMMENDED USE
114475†	6 x 3/4 x .050	6		Plaster, plaster board
114476	6 x 3/4 x .050	6		Rough work in wood*, fast cutting
114477	12 x 3/4 x .050	6		used in remolding and demolition work
114478	6 x 3/4 x .035	6		Wood*, all composition material
114479	6 x 3/4 x .035	10		Wood*, compositions, plastic, cast aluminum & non-ferrous metals
114480	12 x 3/4 x .050	10/ 14		All woods*, plastic cast aluminum &
114481	4 x 3/4 x .035	14		Heavy gauge metal 1/4-1/2, 6-13mm
113430	6 x 3/4 x .035	14		Hard rubber, fiber & angle iron
114482	4 x 3/4 x .035	18		Heavy gauge metal 1/8-1/4, 3.2-6mm
113431	6 x 3/4 x .035	18		Conduit & tubing, opening wood crates*, removing wood siding or shingles.
113432	6 x 3/4 x .035	24		Metal & galvanized pipe 18 gauge & under

FEATURES

- Bi-metal construction.
- Matrix II type alloy high speed steel cutting edge (8% cobalt edge).
- Tooth hardness Rc 65-66.
- Precision teeth.

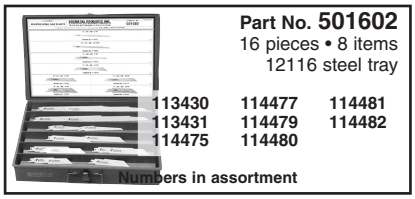
BENEFITS

- Cuts tough materials including nail-embedded wood.
- Longer life.
- Retains tooth sharpness longer.
- Increases productivity.
- Faster cutting.

ADVANTAGES

- Shatterproof.
- Shock resistant teeth.
- High wear resistance.
- High heat resistance.





Part No. 501602
16 pieces • 8 items
12116 steel tray

113430 **114477** **114481**
113431 **114479** **114482**
114475 **114480**

Numbers in assortment

†V-tooth 60° angle.*Including nail-embedded wood.
All reciprocating saw blades are packed 5.

HEAVY DUTY RECIPROCATING SAW BLADES

44% thicker than standard blades.

- More rugged and durable in tough, metal cutting applications.
- Blades won't whip from side to side.
- Blades won't fail from tooth chippage.

PART NUMBER	L x W x T INCH	TEETH PER INCH	SHAPE	RECOMMENDED USE
114483	6 x 3/4 x .050	10/ 14		Heavy gauge metal 3/16"-3/4" / 5-20mm, inc. rescue operations
114487	8 x 3/4 x .050	10/ 14		Heavy gauge metal 3/16"-3/4" / 5-20mm

All heavy duty reciprocating saw blades are packed 2.

SHOP SUPPLIES

CUTTING & GRINDING WHEELS

DIAMONDX® TYPE 1 CUTTING WHEELS

DIAMONDX **uses a unique technology that allows a high concentration of diamonds to be solidly bonded to a steel surface for cutting metal.**

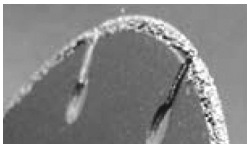
LONG LASTING – HIGH PERFORMANCE

- **Longer Lasting,** than other abrasives. Last up to 100X's longer depending on the application.
- **Cut Virtually Any Material,** wood, steel, copper pipe, pvc, brick, concrete, metal and square tube, stainless steel, cast iron and more.
- **Safely De-Burr Flashing** from cuts using the blade edge. (unlike abrasives that can be dangerously damaged by this procedure).
- **Cost Savings –** from abrasive wheel change-overs alone can offset the cost of one **DIAMONDX** cutter.
- **Will Not Break Or Shatter i**f dropped or if exposed to water.









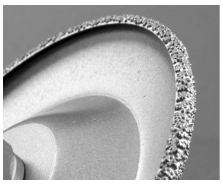
PART NUMBER	DIA. (INCHES)	GRIT	ARBOR	MAX RPM
815038	2"	40/50	3/8"-1/4"	30560
815039	3"	40/50	3/8"-1/4"	25000
815041	4"	40/50	5/8"-3/8""	19000
815042	4-1/2"	40/50	7/8"	13600
815043	5"	40/50	7/8"	12225
815044	6"	40/50	7/8"	10225

*** Additional sizes are available on a special order basis. Call for information.**

DIAMONDX® TYPE 27/29 DEPRESSED CENTER GRINDING WHEELS

DIAMONDX **uses a unique technology that allows a high concentration of diamonds to be solidly bonded to a steel surface for grinding metal.**









LONG LASTING – HIGH PERFORMANCE

- **Diamonds,** the hardest natural material gets the job done quickly and efficiently.
- **Outperforms Others –** last 50-60 times longer than standard grinding wheels.
- **Cost Efficient,** fewer purchases over time.
- **Less Down Time –** no need to have the operator changing wheels.
- **Promotes longer tool life –** no abrasive debris and minimum dust.
- **Super Safe –** eliminates breakage, cracking and failure.
- **Reduced Vibration,** sparks and odors.
- **Not Effected** by exposure to water.
- **Use On** high and low carbon steel, ductile iron, rail track, cast iron, alloys, stainless steel, pipeline application and foundry castings.

PART NUMBER	DIA. (INCHES)	GRIT	ARBOR	MAX RPM
815002	4-1/2"	24	5/8-11 Hub*	13300
815012	4-1/2"	40/50	5/8-11 Hub*	13300

* Removable hub for 7/8" arbor

SHOP SUPPLIES

ZEUS CUT-OFF WHEELS

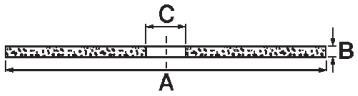
*** Additional sizes are available on a special order basis. Call for information.**



PSSZT010512

ring less power.
Designed to be flexible under stressful and binding applications, these wheels are ideal for maintenance departments, welding shops, automotive shops and metal fabrication.

- Special aluminum oxide grain.
- Externally reinforced with fiberglass layers to provide ultimate safety.
- Fast, burr-free cutting.
- Specifically designed for use on right angle grinders.



Made in USA

TYPE 1 Wheels for ELECTRIC and AIR GRINDERS

Small diameter cut-off wheels are designed to perform on a variety of metal applications.

Unsurpassed in quality and performance these wheels are made from Premium Ceramic and Zirconia Grain Mix and are contaminate INOX Free.

SIZE "A" DIA.	SIZE "B" WIDTH	SIZE "C" BORE	MAX RPM	GRAIN/ GRIT	USE	PART NUMBER	QTY
3	.035	3/8	25,450	**SGA60U**	S/S & Alloys, Fast Cutting	**811670**	50
3	1/16	3/8	25,450	**SGA46U**	S/S & Alloys, Long Lasting	**811671**	50

S/S= Stainless Steel

When dependability and flexibility are a must, these fast, clean straight cutting and long lasting wheels are tops in the industry.

SIZE "A" DIA.	SIZE "B" WIDTH	SIZE "C" BORE	MAX RPM	GRAIN/ GRIT	USE	PART NUMBER	QTY
3	1/16	3/8	25,450	**A46T**	Ferrous Metals	**811720**	10 •
3	1/8	3/8	25,000	**A36T**	Ferrous Metals	**812435**	1 •
3	.035	3/8	25,450	**TA60T**	Ferrous Metals & S/S	**811721**	50
3	1/16	3/8	25,450	**TA46T**	Ferrous Metals & S/S	**811682**	50
4	.035	3/8	19,000	**TA60T**	Ferrous Metals & S/S	**811672**	50
4	1/16	3/8	19,000	**TA46T**	Ferrous Metals & S/S	**811673**	50

S/S= Stainless Steel • NOT SOS LABEL

ULTRA MOLY MUSCLE DRILL BITS

ULTRA MOLY MUSCLE DRILL BITS





no center punch needed!

Ideal for use in hand drills with keyless chucks. They will make your job easier and save you time therefore saving you money.

Specially heat treated and then nitro-carburized. Allows for use in work hardening grades of stainless steel and other hard metal drilling applications.

- **Split Point -** Provides fast penetration and accurate starting without center punching - no "walking'.
- **135° Point Angle -** The flatter point takes a smaller chip and more torque is directed to a smaller area making it ideal for drilling hard materials.
- **Flatted Shank -** Gives positive chuck-grip eliminating slippage.
- **Precision Ground Point,** Flutes and Body - Provides the ultimate in accuracy and performance.
- **Considerably Longer Cutting Life -** This is due to the nitro-carburized flute edges which have an increased Rockwell hardness.
- **Withstand Higher Drilling Temperatures -** Because they are made of special Hi-Molybdenum tool steel.
- **Runs Cooler and Cuts Easier -** Gold surface treatment provides maximum lubricity and reduces friction.



MECHANICS LENGTH

3 Flats on 3/16'' and larger shank give positive chuck-grip, and *virtually eliminates drill/chuck slippage.*





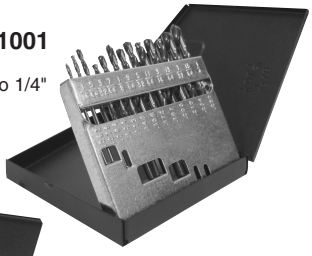


Cuts easily through hardened materials.

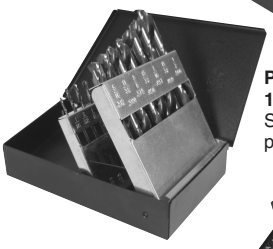
DIAMETER	OVERALL LENGTH	FLUTE LENGTH	PKG QTY 1	PKG QTY 3	PKG QTY 6	PKG QTY 12
1/16	1-7/8	7/8	**811020**	**811020-3**	**811020-6**	**811020-12**
5/64	2	1	**811021**	**811021-3**	**811021-6**	**811021-12**
3/32	2-1/4	1-1/4	**811022**	**811022-3**	**811022-6**	**811022-12**
7/64	2-3/8	1-5/16	**811023**	**811023-3**	**811023-6**	**811023-12**
1/8	2-1/2	1-7/16	**811024**	**811024-3**	**811024-6**	**811024-12**
9/64	2-5/8	1-9/16	**811025**	**811025-3**	**811025-6**	**811025-12**
5/32	2-3/4	1-11/16	**811026**	**811026-3**	**811026-6**	**811026-12**
11/64	2-7/8	1-13/16	**811027**	**811027-3**	**811027-6**	**811027-12**
3/16	3	1-7/8	**811028**	**811028-3**	**811028-6**	**811028-12**
13/64	3-1/8	1-15/16	**811029**	**811029-3**	**811029-6**	**811029-12**
7/32	3-1/4	2	**811030**	**811030-3**	**811030-6**	**811030-12**
15/64	3-3/8	2-1/16	**811031**	**811031-3**	**811031-6**	**811031-12**
1/4	3-1/2	2	**811032**	**811032-3**	**811032-6**	**811032-12**
17/64	3-5/8	2-1/8	**811033**	**811033-3**	**811033-6**	**811033-12**
9/32	3-3/4	2-1/4	**811034**	**811034-3**	**811034-6**	**811034-12**
19/64	3-7/8	2-3/8	**811035**	**811035-3**	**811035-6**	**811035-12**
5/16	4	2-1/2	**811036**	**811036-3**	**811036-6**	**811036-12**
21/64	4-1/16	2-9/16	**811037**	**811037-3**	**811037-6**	**811037-12**
11/32	4-1/8	2-5/8	**811038**	**811038-3**	**811038-6**	**811038-12**
23/64	4-3/16	2-11/16	**811039**	**811039-3**	**811039-6**	**811039-12**
3/8	4-1/4	2-11/16	**811040**	**811040-3**	**811040-6**	**811040-12**
25/64*	4-5/16	2-3/4	**811041**	**811041-3**	**811041-6**	**811041-12**
13/32*	4-3/8	2-13/16	**811042**	**811042-3**	**811042-6**	**811042-12**
27/64	4-7/16	2-7/8	**811043**	**811043-3**	**811043-6**	**811043-12**
7/16	4-1/2	2-15/16	**811044**	**811044-3**	**811044-6**	**811044-12**
29/64	4-5/8	3	**811045**	**811045-3**	**811045-6**	**811045-12**
15/32	4-3/4	3-1/8	**811046**	**811046-3**	**811046-6**	**811046-12**
31/64	4-7/8	3-1/4	**811047**	**811047-3**	**811047-6**	**811047-12**
1/2	5	3-3/8	**811048**	**811048-3**	**811048-6**	**811048-12**

***Will fit 3/8 chuck.**

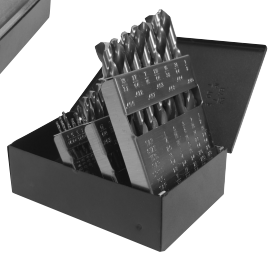
SHOP SUPPLIES



Part No. 811001
13 piece set
Sizes: 1/16" to 1/4" by 64ths.
packed in 12173 index



Part No. 811002
15 piece set
Sizes: 1/16" to 1/2" by 32nds.
packed in 12174 index



Part No. 811004
29 piece set
Sizes: 1/16" to 1/2" by 64ths.
packed in 12175 index



Holder not available separately.

Part No. 811005
29 piece set
Sizes: 1/16" to 1/2" by 64ths.
Weather Tight, Waterproof Indestructible Plastic Holder:
3-1/8" W x 6-1/2" H



Part No. 811003
29 piece set
Sizes: 1/16" to 1/2" by 64ths.
packed in 12072 cabinet

BIT HOLDER

Holds insert bits, drill bits, nut drivers, pencils/pens, magnetic bit holders and more – on your drill!



Part No. 811010
Bits not included.

- Slips easily on/off full sized cordless drills or impact drivers.
- Holds up to (16) 1" bits or countless combinations of other items.
- Keeps accessories handy.
- Where you need them – when you need them.

SPECIALTY DRILLS and E-Z REAMER

WELDOUT™ SPOTWELD DRILLS

Designed to effectively cut auto body panel spot welds.

DRILL DIA MM	PART NUMBER	APPROX SPOTWELD SIZE, INCHES	OVERALL LENGTH INCHES	FLAT LENGTH INCHES
6.5	**814741**	1/4	1-9/16	.44
6.5	**814743**	1/4	1-3/4	None
6.5*	**814744**	1/4	3-5/8	None
8.0	**814745**	5/16	1-9/16	.44
8.0	**814746**	5/16	1-29/64	.44
8.0	**814747**	5/16	1-11/16	.75
8.0	**814748**	5/16	1-3/4	None
8.0*	**814749**	5/16	3-5/8	None
10.0	**814750**	3/8	1-3/4	None
10.0*	**814751**	3/8	3-5/8	None

***twin end**



- Cobalt high speed steel, more abrasion resistant.
- Spur point designed to cut through the weld on one panel while leaving second panel free of holes.
- Long wearing cutting edges.
- Sizes without flats are for use in standard air powered drill motors.

CARBIDE SPOTWELD DRILLS

Carbide ALTiN coated spotweld drills.





- Designed to cut spotwelds from Boron Steel.
- Use in high temperature operations & difficult to machine material. ALTiN coating improves lubricity, reduces chip weld & can be operated at 30% faster feeds and speeds.
- Recommended (900 RPM - 1,000 RPM).

TYPE 187-B				
DRILL DIA MM	PART NUMBER	APPROX SPOTWELD SIZE, INCHES	OVERALL LENGTH INCHES	FLAT LENGTH INCHES
8.0	**814960**	5/16	2	None
TYPE 187-B WITH FLAT ON SHANK				
8.0	**814961**	5/16	1-3/4	.750

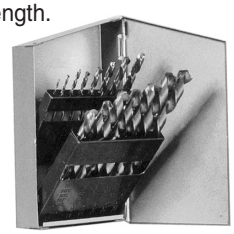
LEFT HAND* DYNALLOY TWIST DRILLS

- Left hand rotation helps loosen screw & provide firm bite for extractor.
- Ideal for use with screw extractors.
- 118° point.
- Use to aid in removal of broken studs & bolts.
- Loose broken studs will often unscrew while using left hand drill.
- Straight shank - jobber length.
- High speed alloy steel.
- Polished flutes for improved chip removal.

PART NUMBER	DIA	DEC. EQUIV.	OVERALL LENGTH	FLUTE LENGTH	QTY
813790	1/16	.0625	1-7/8	7/8	1
813791	3/32	.0937	2-1/4	1-1/4	1
813631	1/8	.1250	2-3/4	1-5/8	3
813632	5/32	.1562	3-1/8	2	3
813633	3/16	.1875	3-1/2	2-5/16	3
813634	7/32	.2188	3-3/4	2-1/2	3
813635	1/4	.2500	4	2-3/4	3
813792	9/32	.2812	4-1/4	2-15/16	1

PART NUMBER	DIA	DEC. EQUIV.	OVERALL LENGTH	FLUTE LENGTH	QTY
813636	5/16	.3125	4-1/2	3-3/16	3
813793	11/32	.3437	4-3/4	3-7/16	1
813637	3/8	.3750	5	3-5/8	3
813794	13/32	.4062	5-1/4	3-7/8	1
813795	7/16	.4375	5-1/2	4-1/16	1
813796	15/32	.4687	5-3/4	4-5/16	1
813797	1/2	.5000	6	4-1/2	1

*** These drills must be used with a reversible drill turning in the proper direction.**



813015
7 piece set
Includes 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"
Packed in 12096 Index

813045
15 piece set
All sizes included
Packed in 12096 Index

SHOP SUPPLIES

DYNALLOY E-Z REAMER

Reams safely through the thickest steel stock! The only tool that can cut through truck frames safely & rapidly!

APPLICATIONS

- 5th Wheel Mounting.
- Spring Hangers.
- Fuel Tank Mounting.
- Weighted bumper mounting on cranes.
- Installing teeth on front end of loader buckets.
- Tool Box Mounting.
- Accessory Mounting.
- Tow Hook Mounting.
- Enlarging spring center bolt holes.
- Enlarging misaligned holes.



Outperforms Ordinary Reamers 10 to 1

FEATURES / BENEFITS

- Specially developed to produce new holes or enlarge existing holes.
- Drill truck frames in minutes instead of hours. Specially engineered incline plane makes the difference.
- Use heavy duty 1/2" or larger drill with at least 4.5 amps, best results obtained if motor is 6 to 15 amps. High amps provide constant torque with even speed.
- Tougher alloy steel increases tool life.
- SAFER – Mechanics are convinced problems – NON-EXISTENT with the Dynalloy E-Z Reamer. Tool Guard Collar protects tool and drill.
- EASIER – Any mechanic can operate the Dynalloy E-Z Reamer. Because less effort or pressure is required.



814015
3 piece set
Includes 1/2", 5/8", 3/4"
Sturdy Plastic Case

814016
4 piece set
Includes 3/8", 1/2", 5/8", 3/4"
Sturdy Plastic Case

PART NUMBER	DIAMETER	OVERALL LENGTH	TAPER LEAD	SHANK LENGTH	SHANK DIAMETER	FLUTE LENGTH	FLUTES	HELIX ANGLE	COLLAR DIAMETER	COLLAR THICKNESS
113140	3/8	4-3/4	8°	1-1/2	1/2	3-1/4	4	20°	1/2	5/16
113141	7/16	4-3/4	8°	1-1/2	1/2	3-1/4	4	20°	9/16	5/16
113151	1/2	5-3/4	8°	1-1/2	1/2	3-3/8	5	20°	5/8	5/16
113142	9/16	5-3/4	8°	1-1/2	1/2	3-3/8	5	20°	11/16	5/16
113152	5/8	6-3/16	8°	1-1/2	1/2	3-7/8	5	20°	3/4	5/16
113153	3/4	6-3/4	8°	1-1/2	1/2	4-1/4	5	20°	7/8	5/16
113143	7/8	7-1/8	8°	1-1/2	1/2	4-7/8	5	20°	1	5/16
113144	1	7-3/16	8°	1-1/2	1/2	4-3/4	5	20°	1-1/8	5/16



Part No. 814014
8 pieces • 8 items
12116 steel tray

113140	114144
113141	113151
113142	113152
113143	113153

Numbers in assortment

STEP DRILLS and CUTTING TOOLS

ULTRA-MOLY MUSCLE STEP DRILL BITS - "QUICK RELEASE STYLE"

M2 Steel - Gold Oxide Coating



Part No. 813670
Contains sizes: 1/8" - 1/2", 3/16" - 1/2" & 1/4" - 3/4"
3 pieces • 3 items
metal case

813671 813672 813673

Numbers in assortment

Part No. 826210
Quick Release Adapter



PROUDLY MADE IN THE USA



- Use for all thin metals, rigid plastics, wood or composite materials with a thickness equal to or less than the step thickness.
- Quick release shank eases changing of cutting tools.

For Safety Always Wear Goggles and Face Shield when Grinding & Sanding

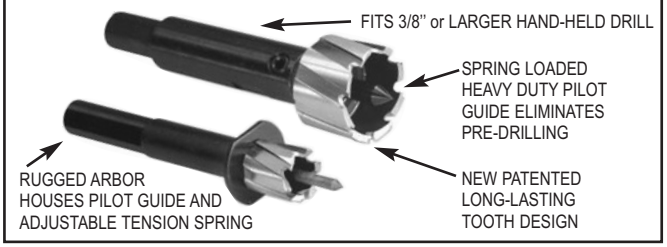
PART NUMBER	HOLE SIZE	NO. OF SIZES	STEP RANGE	STEP INCREMENTS	THICKNESS
813671	1/8 - 1/2	13	1/8 - 1/2	1/32	1/8
813672	3/16 - 1/2	6	3/16-1/2	1/16	3/8
813673	1/4 - 3/4	9	1/4 - 3/4	1/16	5/32

ROTABROACH® CUTTERS

Body shops, frame straighteners, rustproofers and undercoaters find using *ROTABROACH® CUTTERS* is the best, fastest way to cut holes in steel, sheet metal, wood and plastic. A spring-loaded pilot guide in arbors eliminates predrilling. The cutters are designed to prevent chip clogging.

- Heavy duty hole cutter.
- Revolutionary patented step-tooth design for longer cutter life.
- Super-fast, rugged.
- 3x's faster and last 10x's longer than twist drills or holesaws.
- No deforming of stock.
- No jagged edges.
- No out of round holes.

HEAVY DUTY USE: For sheet metal & materials up to 1/2" - thick.



INDIVIDUAL CUTTERS



Use Arbor,
Part No. 113026

PART NUMBER	DIA. INCHES	DECIMAL EQUIVALENT
113489	1/4	.2500
113490	5/16	.3125

Use Arbor,
Part No.'s 113026 or 113027

PART NUMBER	DIA. INCHES	DECIMAL EQUIVALENT
113491	3/8	.3750
113492	7/16	.4375
113493	1/2	.5000
113494	9/16	.5625
113495	5/8	.6250
113496	3/4	.7500

SHOP SUPPLIES

POWER CUTTER UTILITY SNIPS



Part No. 213224



The powerful, all purpose cutting tool.

A true mechanic's aid for the automotive and auto body shop.

- Stainless steel blades are offset to keep hands above material for safe, easy, accurate cutting action.
- Cuts thin gauge sheet metal, wire, leather, rubber, vinyl, sandwich gaskets, fibre glass cloth, metal screen, hoses, floor mats and carpeting.

PLASTIC RAZOR BLADE



- Eliminate scratching of plastic coated windshield.
- Removes stickers & labels without scratching.
- Lightweight, long lasting.

Part No. 11302 24

Use on all plastic coated windshields (used on many G.M. late model cars)

HEAVY DUTY INDUSTRIAL RAZOR BLADES



- Industrial quality.
- Heavy gauge.
- Specially ground sharp, long lasting edge.
- Fits most knives & inspection sticker scrapers available today.
- Packed in dispenser tray.

Extra Heavy Duty For Maximum Strength .012 Gauge Steel
Part No. 11304 100

.009 Gauge Steel
Part No. 11301 100

INSPECTION STICKER SCRAPER

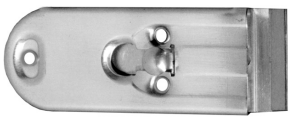
- Remove stickers, paint, varnish, and tar from glass.
- E-Z grip vinyl handle.
- Replaceable single edge razor blade.
- 7-3/4" long, complete with one blade.
- Folds in half to lock blade safely inside handle.



Part No. 113113

Replacement blade:
Part No.'s. 11301 or 11304

WINDOW SCRAPER



Part No. 113229

- This small, easy to handle scraper gets into all those tight places other scrapers cannot.
- It removes inspection stickers, excess paint, and more, from any window.
- This versatile tool also snaps open & closed for safety.
- Comes complete with **Part No. 11301** razor blade.

Replacement blade:
Part No.'s. 11301 or 11304

HAND TOOLS

MEYERPLIER

The ANYWHERE Combo Vice/Clamp.

- Goes anywhere, clamps to almost anything.
- Securely clamps objects while leaving both hands free to work.
- Use for sawing, drilling, filing, soldering, welding, painting, gluing, sanding, bending and much more.
- A compact, high quality tool, the MEYERPLIER is also a locking plier, a c-clamp and a wire cutter.



Part No. **213617**
10" length

SURE GRIP LOCKING TOOL

The world's smallest locking tool.

- Adjustable toggle joint clamp guarantees the highest clamp force.
- Compact design 3-1/2" long, weighs 2-1/2 ounces.
- Works in extremely small spaces.
- Made of heat treated aircraft aluminum alloy.
- One handed operation. Just adjust, clamp & release.
- Resistant against welding splashes.
- Fits in the palm of your hand.

Handy, Practical & Universally Usable



SMP121009

Part No. **213352**

E-Z SET & FORGET PLIERS

Self Adjusting Pliers - lock on any size without adjusting.

- Simple one-handed use.
- Meets or exceeds ANSI & ASME, standard for material, hardness,strength & performance.



Grab Thick



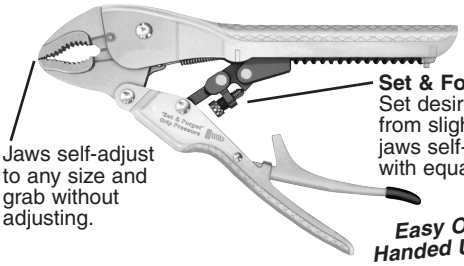
Grab Thin
Without Adjusting!!

Self-Adjusting Locking Pliers Automatically Locks On Any Size

PART	SIZE (INCHES)	DESCIPTION
113581	6	Curved Jaw
113577	7	Needle Nose
113580	10	Curved Jaw
113585	Set	Includes all three sizes



SMP122208



Jaws self-adjust to any size and grab without adjusting.

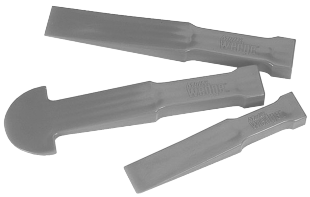
Set & Forget:
Set desired clamp pressure, from slight to extreme, and jaws self-adjust to any size with equal grip pressure.

Easy ONE Handed Usage

MULTI WEDGE™ NON-MARRING PRY TOOLS

Great on plastic, wood, upholstery, glass, fiberglass, painted surfaces! Easily pry bezels, dashes, badges, trim, moldings, door panels, body work, seals and upholstery.

- Made of 2 different materials covering a complete range of applications.
- No other tool has a super thin tip (.005) allowing them to get into super tight gaps.



Orange Wedges are made of a softer Polyethylene Material 5230, very slick and smooth surface for a gentle prying applications.

Part No. **113273**
Includes 3 of each Orange & Black Tools

The 4 in 1

Replaces screwdrivers, pry bars and all other metal tools that can cause damage and marring of delicate surfaces.
1) Pry Tool 2) Level Align Tool 3) Scraper 4) Shim



Black Wedges are made of a very High Impact Ductile Polycarbonate Material. Designed for tough prying applications.

LED PENLIGHT MAGNETIC PICKUP TOOL



PSS042312

- Turn aluminum head clockwise to turn on bright LED light and illuminate dark areas.
- Handle telescopes from 7-3/16" to 27-3/16" and is stored in a sturdy aluminum body.
- Lifts 5 lbs.
- Comes with four LR43 batteries.

Part No. **311242**

LED LIGHTED FLEXIBLE SPRING CLAW



PSS042312

- 25-1/4" long.
- Convenient side switch turns on / off bright LED light as needed.
- Press plunger and jaws open wide / release plubger and jaws clamp shut.
- Tightly wound spring snakes into tight areas to retrieve dropped objects.
- Comes with two 2032 batteries.

Part No. **311243**

PNEUMATIC ACCESSORIES

SAFETY COUPLERS

Allows 360° rotation of pneumatic tools.

1/4" BODY SIZE - FEMALE NPT

Put safety first by making dangerous hose whips a thing of the past, all with the push of a button.

Use for air tools, blow guns, or anywhere compressed air is used.

- Vents the air circuit & prevents injury.
- Prevents leakage, saves money on energy usage.
- May be used with existing plugs of the same profile type.
- High impact composite maetrial, will not scratch surfaces.
- One push of a button, rapid & effortless use.
- Connect & disconnect with one hand.
- Superior nitrile o-ring design.
- Anti-static & lightweight.

Part No. 100697
Industrial Series (BLUE button)
Same style as Milton 715
Replaces our Part No.'s 100715 & 108606

Part No. 100699
ARO 210 Series (YELLOW button)
Same style as Milton 775
Replaces our Part No.'s 100775 & 108615

Part No. 100698
Tru-Flate Style (RED button)
Same style as Milton 785
Replaces our Part No.'s 100785 & 100600



Just one push of the button first releases air line pressure, then releases the fitting.

NON - KINK AIR HOSE

- **Three sizes and two pressure ratings for all air hose applications.**
- **Red rubber cover resists oil, grease, and weathering.**
- **Reinforced for maximum performance under extreme operating conditions.**
- **Applications include pneumatic tools and paint spraying.**
- **Male brass couplings on each end.**

2 Braid
(3/8" & 1/2" Hose)

1 Braid
(1/4" Hose)



HOSE SIZE	PART NUMBER	BRASS COUPLING	WORKING PRESSURE	LENGTH
1/4" ID x 1/2" OD	**10901**	1/4" m x m NPT	1 Braid-200 lbs.PSI	25 ft.
3/8" ID x 23/32" OD	**10915**	1/4" m x m NPT	2 Braid-250 lbs.PSI	25 ft.
3/8" ID x 7/8" OD	**10916**	1/4" m x m NPT	2 Braid-250 lbs.PSI	50 ft.
1/2" ID x 7/8" OD	**10940**	1/2" m x m NPT	2 Braid-250 lbs.PSI	25 ft.
1/2" ID x 7/8" OD	**10941**	1/2" m x m NPT	2 Braid-250 lbs.PSI	50 ft.

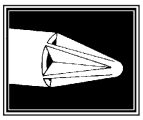
SHOP SUPPLIES

THE STAR TIP BLOW GUN

A variable-flow blow gun featuring a nozzle that complies with OSHA requirements.

"Star-tip" nozzle offers many safety features not found in other blow gun tips:

- **Ultra slim nozzle reduces noise level.**
- **Thinner tip, along with a special bent tube, for hard-to-reach places.**
- **"Star-tip" design allows full air flow through six separate outlets and still complies with OSHA requirements. Reduces noise levels when used with compressed air.**



New "star-tip" nozzle is a powerful, yet quiet, performer.

Part No. 113773



Six outlet tip offers an even distribution of air.

- **Female 1/4 NPT.**
- **Built-in silencer tip ensures low noise level, 79 dBA.**
- **Low air consumption, 5 CFM.**
- **Unique valve design allows a fully variable flow.**
- **Comfortable handling by using latest ergonomic design.**
- **High tensile materials for tough handling.**

AIRCOMB®

Filter & Radiator Cleaner - a New Type of Blow Gun

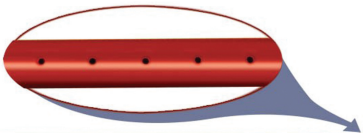




Special multi-port nozzle maximizes air pressure and volume at a 90° angle. Thoroughly cleans air filters, condensers, and radiators from the inside out.

Features & Benefits:
- **Focused high-pressure output**
- **Long reach 90° airflow**
- **Accesses hard-to-reach areas**
- **Great for all air filters, radiators & condensors**
- **Extends filter life**
- **Available in four sizes**

PART NO.	LENGTH (IN.)	COLOR
113767	12	Blue
113768	24	Red
113769	36	Yellow
113770	48	Green



5X's the Air Volume



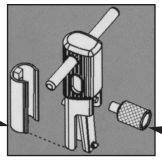
Industries:
- **Agriculture**
- **Construction**
- **Automotive**
- **Industrial**
- **Stationary Power**
- **and others**

Safe On All Filters - Won't Punch Holes!

THREAD REPAIR

INTERNAL THREAD RESTORERS

- Quickly adjusts to any thread diameter and pitch within the size range of the tool.
- A major advantage over taps is the ability to enter below the first damaged grooves, often at the bottom of the thread, and work in a outward direction.
- Applicable to all kinds of thread: inch, metric right-hand or left-hand, fine or coarse.
- The blade, made of high speed steel (62RC), is guided by the existing undamaged thread to regroove the damaged section.

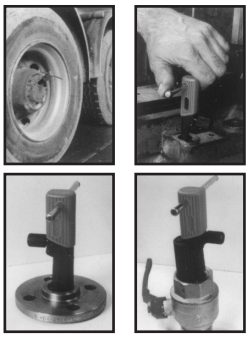


PART NUMBER	ADJUSTMENT I.D. RANGE INCH	MM	PIPES BSP/NPT
813374	5/16 - 7/16	8mm - 11mm	1/16 - 3/16
813377	7/8 - 1-1/4	22mm - 32mm	1/2 - 7/8



Replaces Many Taps

TYPICAL EXAMPLES OF USE:



Fastener Internal Thread Repair Kit
Diameter range:
between 5/16"- 13/16" 8 mm - 20 mm
for Automotive and Industrial.
Part No. 813383



UNIVERSAL THREAD REPAIR - COMBINATION INTERNAL/EXTERNAL

Ideal for maintaining plumbing, construction, agriculture, car repair and many other applications where components have damaged threads. Compare the cost of disassembling the part in order to repair a component, with the instant repair performed by these thread restorers.

Part No. 813390

PART NUMBER	CONTENTS	HEAVY DUTY SET METRIC	FRACTIONAL
813390	3 pc set	(1) External 4-18mm	5/32"-11/16"
		(2) Internal 8-16mm	5/16"-5/8"

Part No. 813393
Mini Kit package size: 5-13/16" L, 4-1/16" W, 13/16" H

PART NUMBER	CONTENTS	ECONOMY SET (MINI KIT) METRIC	FRACTIONAL
813393	3 pc set	(1) External 4-13mm	5/32"-1/2"
		(2) Internal 5-12mm	#12-1/2"

***Mini Kit - weight less than 1 lb.**

PSS052212

- Automatically adjust to any thread diameter & pitch.
- No prior measurement of threads.
- Use on left or righ handed threads.
- Use on both inch and metric.



Part No. 813390

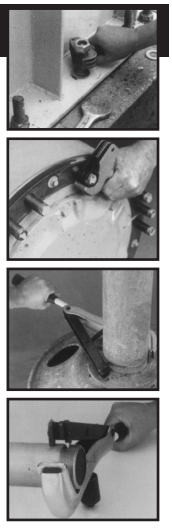


Part No. 813393

EXTERNAL BOLT RETHREADING TOOL

- Quickly adjusts to any diameter.
- Blades automatically adapt to any thread pitch.
- Will adjust themselves into the thread grooves.
- Can be used on L/H or R/H threads.
- Can be used on metric/standard threads.
- Use in truck & tractor garages
- Industrial maintenance in all industries, energy industries, shipyard, marine and offshore users.

TYPICAL EXAMPLES OF USE:



PART NUMBER	ADJUSTMENT MINIMUM	MAXIMUM
813785	5/32 - 11/16	4mm - 18mm
813758	11/16 - 1-1/2	17mm - 38mm



Replaces Many Dies

KITS AVAILABLE

2PC External Bolt Rethreading Tool Kit
Diameter range:
between 5/32"- 1-1/2" 4 mm - 38 mm
for Automotive and Industrial.
Part No. 813755

8PC External Bolt Rethreading Tool Kit
Diameter range:
between 5/32"- 6" 4 mm - 152 mm
for Automotive and Industrial.
Part No. 813386



813386 shown here

WORK LIGHTS, BATTERIES, BULBS

Latest technology — COB — **LED WORK LIGHTS** — PRO SERIES product

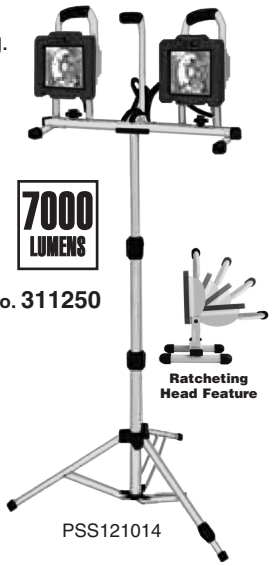
DUAL 38 WATT LED TRIPOD LIGHT

- Brilliant 7000 Lumen output.
- Rugged diecast aluminum housing.
- Remains cool to the touch - will not get hot.
- Adjustable extension legs.
- A/C power: 5 ft. 18/3 SJTW wire.
- Quick head adjustment.
- 50,000 hours life span.
- Tripod with removable H-base.

Use Two Ways!
Alone or Mounted on the tripod stand.



Shown here without tripod stand.



Part No. **311250**

PSS121014

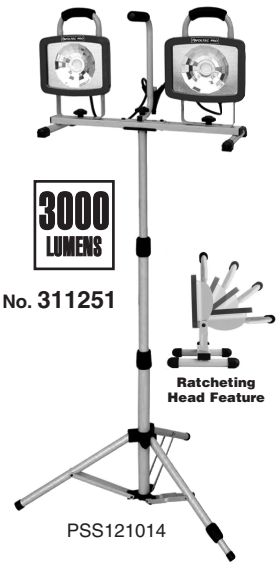
DUAL 22 WATT LED TRIPOD LIGHT

- 3000 Lumen output.
- Remains cool to the touch - will not get hot.
- Rugged diecast aluminum housing.
- Adjustable extension legs.
- A/C power: 5 ft. 18/3 SJTW wire.
- Quick head adjustment.
- 50,000 hours life span.
- Tripod with removable H-base.

Use Two Ways!
Alone or Mounted on the tripod stand.



Shown here without tripod stand.



Part No. **311251**

PSS121014

38 WATT LED WORK LIGHT

- High powered COB LED - A/C powered.
- 3500 Lumen output.
- Remains cool to the touch - will not get hot.
- 3 ft. 18/3 SJTW cable.
- H-base design.
- Foam insulated handle.
- Ratcheting head feature.
- 50,000 hours life span.

PSS121014



Part No. **311252**

12 WATT LED RECHARGEABLE LIGHT

- High powered COB LED.
- 800 Lumen output.
- Remains cool to the touch - will not get hot.
- 2 hours run time (Lithium rechargeable batteries).
- H-base design.
- Foam insulated handle.
- Ratcheting head feature.
- 50,000 hours life span.

PSS121014



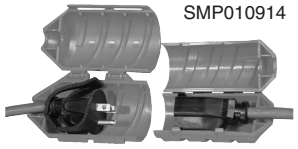
Part No. **311253**

CORD CONNECT™

Eliminates disruptive disconnects while professionals work with power tools or extension cords.

- OSHA orange color.
- Twist to open & close.
- Works indoors & outdoors.
- Locks cords together.
- Water-tight gasket included.
- All weather plastic.
- Prevents water from reaching electric connection.

SMP010914



Part No. **312186**

— Easy as 1 - 2 - 3 —



TUFF-SKIN SILICONE COATED ROUGH SERVICE BULBS

Safe & long lasting! Non-explosive, non-shattering, silicone coated.

- Not affected by water.
- Excellent for all outdoor use.
- Remains intact - armor-like transparent silicone protects against breakage and does not decrease light intensity.



PART NUMBER	SIZE WATTS	VOLTS	RATED HOURS LIFE	QTY
11995	50	120	2,000	12
11996	75	120	2,000	12
11997	100	120	2,000	12

Long life: Well suited for use indoors or outdoors including: Used car lots, truck terminals, service stations, garages, mines, farms and boat docks.

The "Rough Service Bulbs" have a unique filament design that resists shock and abuse ordinary bulbs can't withstand.

ENERGIZER 357 BUTTON CELL BATTERY

Rest assured your device will remain powered for along time using trusted reliable Energizer button and coin cell batteries.



Actual Size 7/16"

Part No. **812976** (3)
1.5V lithium

Ideal for use in:
- Keyless entry.
- Digital thermometers.
- Car alarms and more...
- Replaces: Ind LR44, AG13, Panasonic SP357, Duracell D357/303, Maxell SR4W.

SHOP SUPPLIES

WELDING, ACCESSORIES and SUPPLIES

SCAVENGER WELDING WIRE



Mild steel wire produces high quality welds due to higher levels of manganese & silicon.

Superior Tensile strength: 95,000 P.S.I.

PART NUMBER	DIAMETER	PER SPOOL
818200	.035	33 lbs.
818201	.045	33 lbs.

Applications: General purpose, steel castings, forging salvage, tanks, sheet metal and construction.

- Outperforms others on dirty, oily or rusty steel.
- High silicon content increases fluidity of weld pool.
- Creates a smoother bead appearance & results in minimal post weld grinding.
- Provides porosity-free, x-ray quality welds.
- Requires a shielding gas: CO2 and / or CO2 mix.

SUPER HIGH STRENGTH MIG WELDING WIRE



Ideally suited for automotive frame work and body "sectioning".

Tensile strength: 80,000 P.S.I.

PART NUMBER	DIAMETER	PER SPOOL
812826	.030	11 lbs.
812827	.035	11 lbs.

- 35% STRONGER than ordinary high strength steel wire (standard H.S. wire yields 58,000 to 60,000 PSI tensile strength.)
- Excellent results on rusted, thinly scaled steels.
- Ideal for deep penetration.
- High tensile strength makes this wire more compatible with today's high strength steels than ordinary MIG welding wires.
- Use 75% ARGON - 25% CO2.

GENERAL PURPOSE MIG WELDING WIRE



Tensile strength: 70,000 P.S.I.

PART NUMBER	DIAMETER	PER SPOOL
812833	.023	11 lbs.
812834	.030	11 lbs.

- Mild steel wire for use on low and medium carbon steel.
- Contains silicone and manganese.
- Excellent for welding over rust and scale.
- Fluid weld puddle and flat beads.
- Minimum build up, less grinding required.
- Use with C02. 75% Argon - 25% C02, or Argon - Oxygen Yields higher strength when Argon is the main shielding gas because less manganese and silicone is burned out.
- AWS Class - ER7OS-6.

ALUMINUM MIG WELDING WIRE



Tensile strength: 35,000 P.S.I.

PART NUMBER	DIAMETER	PER SPOOL
812831	.030	1 lbs.

- Excellent for anodized aluminum and general aluminum repair
- Wire has clean, bright, smooth finish that assures trouble free feeding.
- Produces porosity free welds.
- Uniform bead shape with excellent penetration.
- Superior cracking resistance and maximum strength.
- Use with 100% Argon gas.
- A unique blend of AWS 4043 and AWS 5356.

SHOP SUPPLIES

COOL GEL® HEAT BARRIER SPRAY



Part No. 44409
Trigger sprayer - quart size (32 oz.)

PSS031111

Helps protect surfaces during soldering, brazing and welding.

- Thick gel formula heat barrier spray - stays where it is sprayed!
- Reduces danger of fire to surrounding surfaces.
- Protects adjoining areas made of wood, wallboard, insulation, etc.
- Safe, non-toxic, harmless to skin and odorless.
- Non-corrosive, non-staining, no drips or runs.
- Easy clean up - wipe off excess when the job is done - or - wait 48 hours & it evaporates.

PROUDLY MADE IN THE USA

HEAVY DUTY WELDING GLOVES



Part No. 312113

- Heat resistant.
- 4-1/2" heavy safety cuff.
- Heavy top quality leather - palm, back, fingers, cuff.
- Fully lined.
- Wing thumb.
- Gunn pattern.
- Seamless back.
- 12-1/2" overall length.

AUTO DARKENING WELDING HELMET

Part No. 812673

PSS122012



- Viewing size: 4" x 2-3/8".
- Viewing area switches from dark to light within seconds.
- Mask made of high impact resistant special nylon.
- Light state shade: 4 / dark state shade: 9-13.
- Power supply solar cell & lithium batteries.
- UV/IR protection: DIN 15.
- CE EN 379, ANSI Z87.1, CSA Z94.3.

SHOP USE ITEMS

3M AUTOMOTIVE REFINISH YELLOW MASKING TAPE

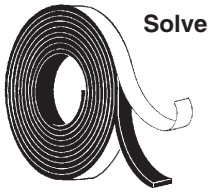
A yellow crepe tape designed specifically for the critical paint masking processes used in the collision repair industry.

PART NUMBER	SIZE INCHES/YARDS
906652	3/4 x 60
906654	1-1/2 x 60
906656	2 x 60



- Designed for masking before painting...it bends and stretches to follow curved body lines with no edge lifting.
- Specially-treated paper backing offers solvent & moisture resistance that minimizes bleed through.
- Proprietary rubber-based adhesion to all vehicle surfaces.
- This tape sticks, stays and removes cleanly.

OE BLACK/DOUBLE SIDED TAPE

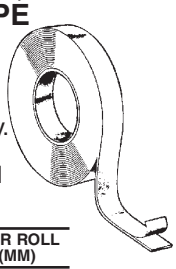


Solve your side mounting repair problems.

- Works quickly, easily and inexpensively.

Part No. 812216 3 1/2" x 54'

PRESSURE SENSITIVE, TWO SIDED FOAM TAPE



- Closed cell polyethylene carrier is resistant to freeze/cracking & condensation; essentially a flexible solid.
- Rubber based adhesive bonds immediately.
- Bonds to paper, aluminum, steel, glass, ceramic, rubber, cloth, ridged vinyl, painted surfaces, etc.

PART NUMBER	WIDTH INCH	WIDTH (MM)	THICKNESS INCH	THICKNESS (MM)	LENGTH PER ROLL FEET	LENGTH PER ROLL (MM)
812997	1/2	(12.70)	1/32	(0.79)	216	(65,836.8)
812998	3/4	(19.00)	1/32	(0.79)	216	(65,836.8)
812999	1	(25.40)	1/32	(0.79)	216	(65,836.8)

SLIP-N-GRIP DISPOSABLE PLASTIC SEAT COVER

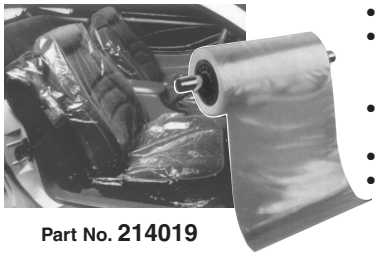


For bench/bucket seats

- Strong 2 ply polyethelyne protects automobile interior & exterior surfaces against hazardous substances.
- Protection from paint, grease & most chemicals found in body shops and service bays, ensures customer satisfaction.
- Use once & throw away.

Part No. 812100
Size: 33" x 56" 125 per case

SEAT-MATE® SEAT PROTECTION



- Made of Olefin Tufflene®.
- Scientifically formulated to provide maximum protection & strength.
- Clear - 1-1/2 mil. thick.
- 200 per roll.
- Size each: 32" x 54".

Part No. 214019

SCOTCH AUTOMOTIVE REFINISHING MASKING TAPE NO. 233

- Quick & easy, sticks & stays put.
- Conformable, hugs curves & contours.

PART NUMBER	SIZE/ROLL INCHES/YARDS
906330	1/4 x 60
906334	3/4 x 60
906336	1 x 60
906338	1-1/2 x 60
906340	2 x 60



3M GREEN MASKING TAPE

For paint masking applications with temps. up to 250°F.



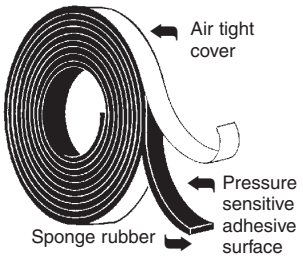
- Excellent conformability & transfer resistance.
- Clean removal on rubber molding & painted steel even after 30 minutes.
- Resistant to paint bleed- through.
- Temp., UV & solvent resistant.

PART NUMBER	SIZE INCHES/YARDS
902633	3/4 x 60
902638	1-1/2 x 60
902634	2 x 60

KWIK-SEAL SPONGE RUBBER WEATHERSTRIP

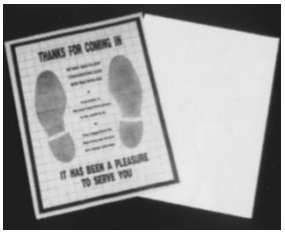
Self-adhesive • Easy to use • Strong, durable bond
Has a "memory" for tight, positive sealing,

A self-adhesive sponge rubber weatherstrip that is easy-to-apply for automotive and industrial applications. Use on boats, refrigerators, doors and windows-almost anywhere that a permanent, waterproof flexible seal is needed. Available in convenient 50 foot rolls.



PART NUMBER	THICKNESS INCHES	WIDTH INCHES	PART NUMBER	THICKNESS INCHES	WIDTH INCHES
717301	5/16	3/8	717304	7/16	3/8
717302	5/16	1/2	717305	7/16	1/2
717303	5/16	3/4	717306	7/16	3/4

PAPER FLOOR-MATE® PLASTIC COATED



- The best of both worlds highly absorbent paper and won't soak through.
- 17" x 22" individual mats.
- 500 per case.

Part No. 214022

PLASTIC FLOOR-MATE®



- Thick, textured, statically treated to prevent slipping and sliding.
- Your protection against greasy or oily shoes and spills.
- 17" x 21" perforated mats on a roll.
- 500 per roll.

Part No. 214024

SHOP CLEANING SUPPLIES

TIRE CLEANING BRUSH

- Brass wire - will never rust
- High impact handle & head.
- Lightweight with large 2-3/4" x 2-1/8" brush.



Part No. **812407**

TACK CLOTH - (SUPER TACKY)

Traps all dirt, dust & lint.



Part No. **717375** (48)

- Super soft - will not harden.
- Static free.
- Individually sealed packs for guaranteed freshness.
- Leaves no residue.
- Super tacky.
- Will not dry out.
- Contains no waxes or silicones.
- Tan color.
- Size: 16" x 20", folded to 4-1/2" x 4-1/2".

WHITE KNIT T-SHIRT RAGS (RECLAIMED)



"Punch-Out" allows for easy dispensing of rags





PROUDLY MADE IN THE USA

Part No. **415102**
25 Lbs.

- 25 lb. box contain s white knit material from t-shirts, polo shirts or similar knit apparel.
- Rags are cut to wiper size with zippers and buttons removed.
- Often preferred for wiping applications that include water, grease, oil or paint.
- Economical solution for general industrial, machine shop and auto applications.
- All purpose soft and durable wiping cloth will absorb both water and oil based fluids.

GRILL, SPOKE, MAG WHEEL & BOTTLE BRUSH

- Soft tampico fibers.
- 12" brush length - 17" overall.



Part No. **812227**

7-1/2" ROUND COMPOUNDING PAD

- 100% 4 ply, virgin wool yarn pile - 1-1/4" height.
- Round edge prevents burning of painted surfaces.
- Recessed arbor hole fits contours of standard plates.
- Installation is easy, fast & secure.
- Can be cleaned or washed for reuse.

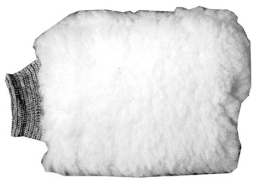


OUR OWN BRAND

PART NUMBER	PILE SIZE INCHES	QTY
213100	1	6

PROFESSIONAL WASH MITT

- Heavy duty and long wearing.
- Highly absorbent, non-scratching.
- Double faced, 8" x 11" with cuff.
- 2 per bag.



Part No. **213108**

MICROFIBER CLEANING CLOTHS



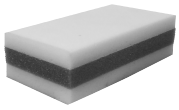
- Sheet size: 16" x 16".
- Thousands of polyester/polyamide blend, microscopic fibers pick up and hold dust, dirt and grime.
- Hypoallergenic, nonabrasive, lint free, green color cloths eliminate streaking & absorb nearly seven times their own weight in liquid.
- Machine washable.

Part No. **415122**
12 cloths per case

DURA SPONGES

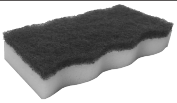
Made from identical material as the Mr. Clean Magic Eraser.

SANDWICH
Part No. **415156-6**
(6 per pkg.)



- Made of both melamine and polyurethane for unparalleled cleaning.

SCRUBBY
Part No. **415157-6**
(6 per pkg.)



- Made with a melamine side and an abrasive coarse side for tough cleaning.

EXTRA POWER COMPRESSED
Part No. **415158-6**
(6 per pkg.)



- Extra strength compressed melamine eraser sponge is made of BASF foam.

PSS110415

- Multi-purpose usage - uses only water to activate.
- Environmentally friendly.
- Removes stubborn stains, scuff marks, permanent marker, ink, tar, graffiti, adhesive labels, grease, dirt & grime and more.
- Safe on most surfaces - floors, walls, grout, tiles, graffiti, baseboards, countertops, restrooms, building exteriors, auto interiors, tires & rims, vinyl surfaces, boats, planes & more.
- Industries - auto, janitorial, marine, factories, hotels, hospitals, nursing facilities, schools, day cares, office buildings, sports facilities, restaurants & more.
- Sponges wear down with repeated use. Replace as needed.

PROTECTIVE CLOTHING

HEAVY DUTY LATEX GLOVES

Gloveworks HD® Powder Free, Textured Latex Gloves

- At 8 mils, they are twice as strong as standard disposable gloves, yet provide the dexterity you've come to expect in a latex glove.
- Heavy duty, powder free industrial grade latex gloves feature a smooth interior for quick, easy donning & a textured surface for a terrific grip.



PART NUMBER	SIZE
415300	Medium
415301	Large
415302	X-Large

100 gloves per box.

IND. GRADE BLACK NITRILE GLOVES

GlovePlus® Powder Free, Textured Nitrile Gloves

- 20% thicker than our standard blue nitrile.
- For auto., janitorial, plumbing, ind. applications, also approved for food handling & prep work.
- Textured & powder free so they won't interfere with fresh paint finishes or tacky adhesives.
- "GET IN THE BLACK" & out of the ordinary nitrile gloves.



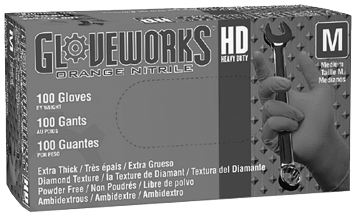
PART NUMBER	SIZE
415179	Medium
415180	Large
415181	X-Large
415182	XX-Large

100 gloves per box.

INDUSTRIAL ORANGE NITRILE GLOVES

Gloveworks® Powder Free, Textured Nitrile Gloves

- Superior comfort, strength & tactile sensitivity.
- Excellent grip wet or dry.
- Design on both sides of the gloves, fingers and palms.



PART NUMBER	SIZE
415171	Medium
415172	Large
415173	X-Large
415174	XX-Large

100 gloves per box.

GENERAL PURPOSE DUST MASK

- Protects against non-toxic dusts & mists.
- Lightweight.
- Clear vision.
- Easy breathing & speaking.
- Maintenance free.



Part No. 113228 (50)

NOTE: Tested to U.S. Government NIOSH specifications (Code of Federal Register, Title 30, Part II Par. 11. 140-4 and 11.140-5). Although this mask has been tested according to NIOSH standards, ***it is not a NIOSH approved*** *mask* & may be used only for protection against non-toxic and nuisance dusts.
WARNING: Not suitable for use against toxic or hazardous air contaminants, such as, but not limited to, paint spray mists, asbestos, silica, cotton or other toxic dusts, fumes, gasses and vapors. It is the responsibility of the user to determine the suitability of this mask for his/her application. If there is any doubt as to the applicability of the Dust Mask, Part No. 113228 please consult an industrial hygienist.

SHOP SUPPLIES

BIONIC™ SHIELD



The Bionic™ Shield...is a revolutionary face shield.
Designed for rugged jobs, it's tough where it has to be, yet extremely lightweight and balanced for all-day comfort.

- Extended top-of-head coverage.
- Superior optics and full face visor designed to maximize visibility and protection.
- Quick, easy and economical visor replacement.
- Built-in chin protection deflects flying particles and debris.
- Flips down for hands free availability.
- Lightweight, ergonomically designed for long term wear.
- Can be comfortably worn with most goggles and respirators.



Meets ANSI Z87.1-2003 (High Impact) and CAS Z94.3 standards.

Part No. 812661
Replacement Shade Clear (sold separately)

Part No. 812669
Replacement Welding Shade - Shade 5.0 (sold separately)
Infra-dura® Welding shade for cutting operations

Part No. 812668
Clear Lens (included)
Ideal for most indoor work applications



Highly adjustable headgear tilts visor nearer or farther from face depending on preference and application.



Easy-to-set, ratcheting headgear locking mechanism assures comfortable, secure fit.



Shell offers built-in chin protection and extended top-of-head coverage.



Comfortable cell foam on back of headgear.

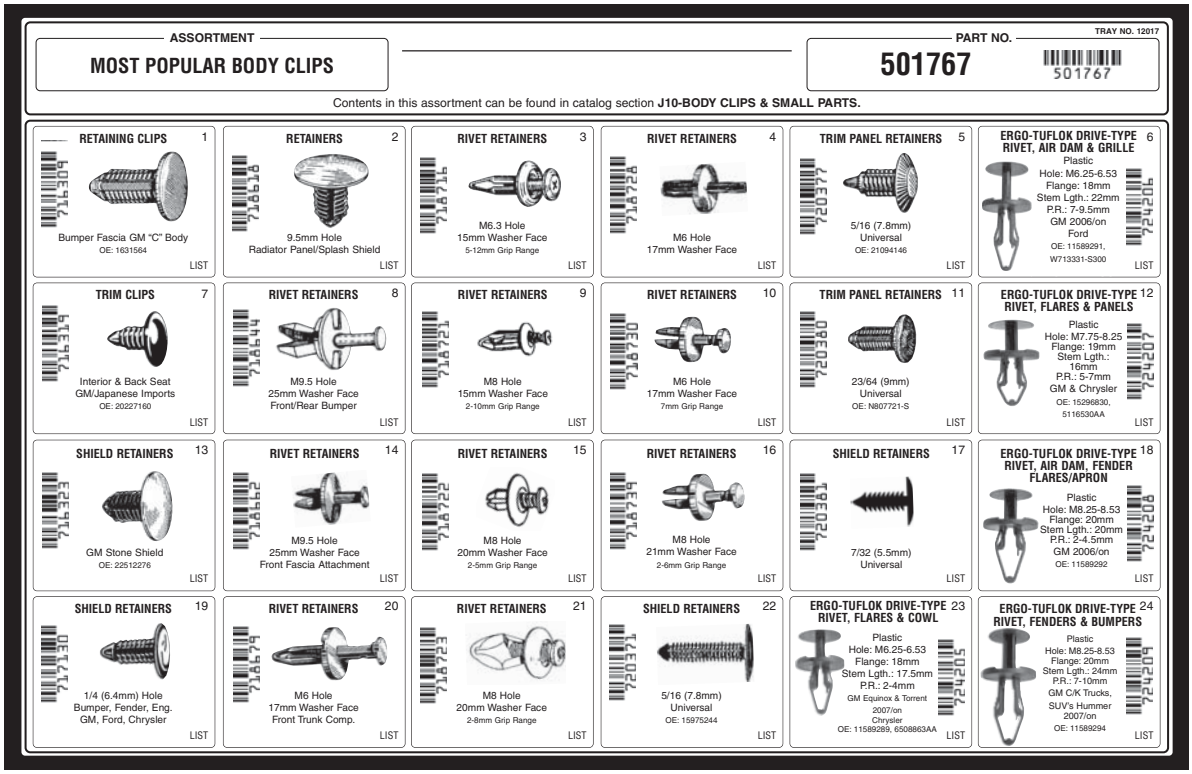
J10 BODY CLIPS and SMALL PARTS ASSORTMENTS

QUICK REFERENCE SUB-INDEX J10 ASSORTMENTS

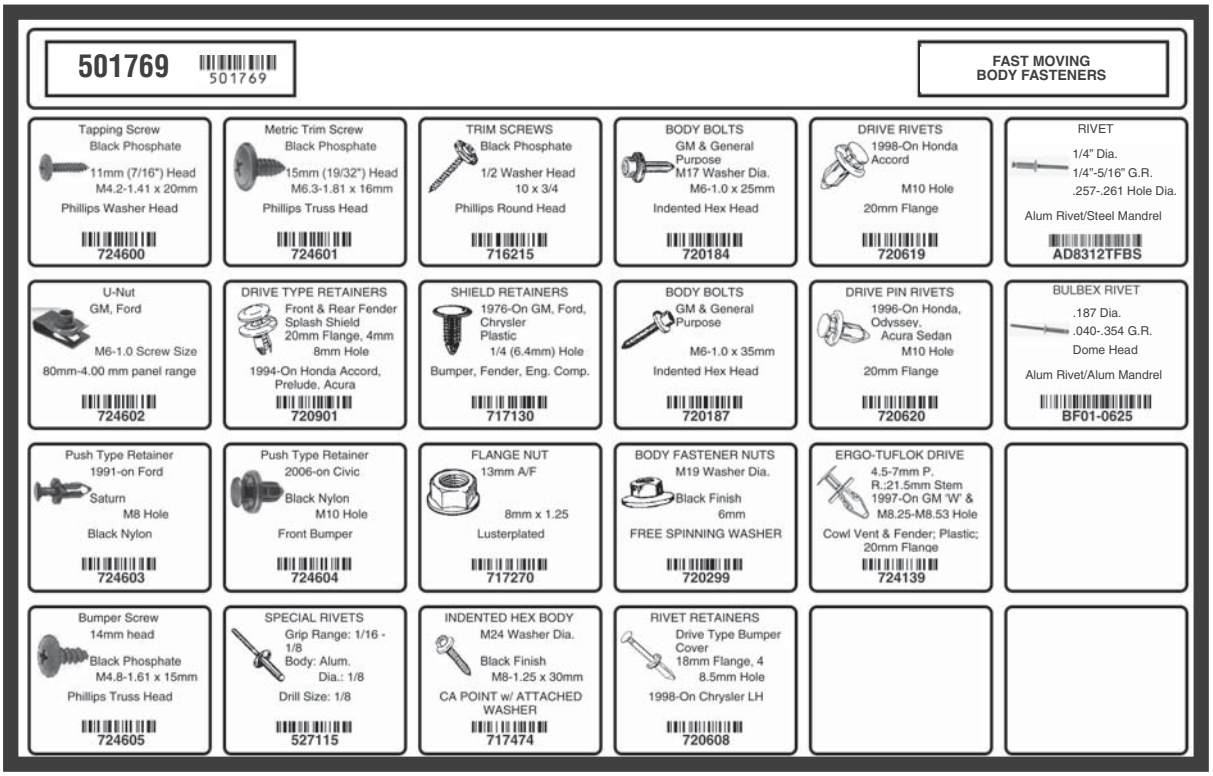
PRODUCTS	PART NO.	PAGES
BOLTS		
Fractional Body Bolts	501712	J10-8
Body Bolts & Nuts	501736	J10-7
CLIPS		
Interior Trim Retaining Clips	501378	J10-4
GM Interior Trim Panel Retaining Clips	501380	J10-13
Most Popular Body Clips	501767	J10-2
Nissan / Infiniti Body Clips	501805	J10-17
Nissan Body Clips	501806	J10-17
Hyundai / Kia Clips # 1	501807	J10-18
Hyundai / Kia Clips # 2	501808	J10-18
Suburu Body Clips	501809	J10-21
GM Moulding Clips	501812	J10-13
Mercedes Body Clips	501817	J10-19
VW / Audi Body Clips #1	501818	J10-20
VW / Audi Body Clips #2	501819	J10-20
CLIPS & RETAINERS		
Honda / Acura Clips & Retainers	501801	J10-15
Lexus Body Shop Fasteners	501802	J10-15
Toyota Body Shop Fasteners # 1	501803	J10-16
GM Retainer Clips	501814	J10-14
BMW Body Clips	501816	J10-19
NUTS		
Pal & Push Nuts	501030	J10-7
U & J Speednuts	501437	J10-9
“Extruded “”U”“ Speednuts”	501438	J10-9
Nuts & Grommets Assortment II	501431	J10-6
RETAINERS		
Push Pin & Screw Type Rivet Retainers	501453	J10-3
Retainers	501834	J10-4
Universal Plastic Shield Retainers	720401	J10-5
RIVETS		
Automotive Body Rivets	501529	J10-8
Ergo-Tufloks Drive Type Rivets	724300	J10-6
SCREWS		
Phillips Washer Head Tapping Screws	501374	J10-10
Fast Moving Body Fasteners	501769	J10-2
License Plate Screws Assortment	501773	J10-3
VARIETY ASSORTMENTS		
Trim Clips, Retainers and Screws	501688	J10-5
Toyota Popular Fasteners	501790	J10-21
Honda Popular Fasteners	501791	J10-22
Toyota Body Shop Fasteners # 2	501804	J10-16
Chrysler Body Shop Fasteners	501810	J10-11
Ford Body Shop Fasteners	501811	J10-12
GM Variety	501813	J10-14
Ford , Chrysler & GM Combo	501815	J10-12
WASHERS		
Plated Fender Washers	501483	J10-10
Fender Washers	501820	J10-11

STEEL TRAY ASSORTMENT

J10 ASST

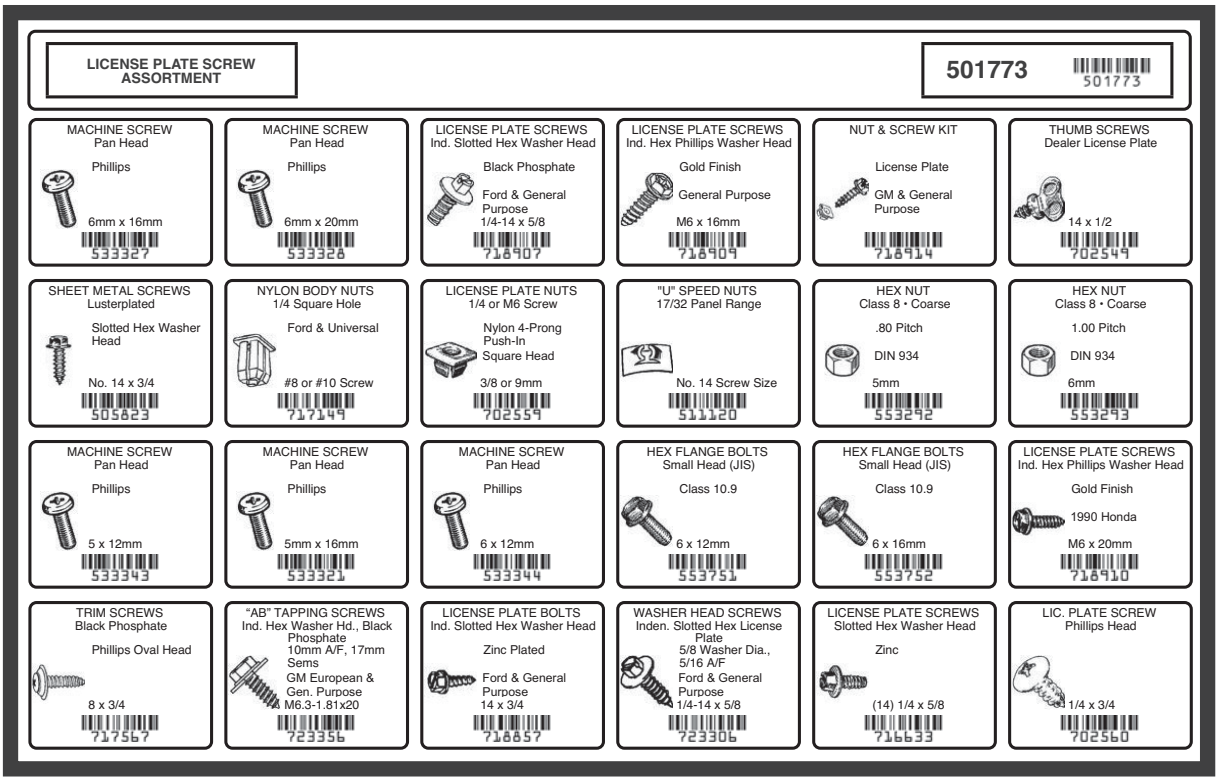


Part No. 501767 **24 Items** **Total Pcs. 300**

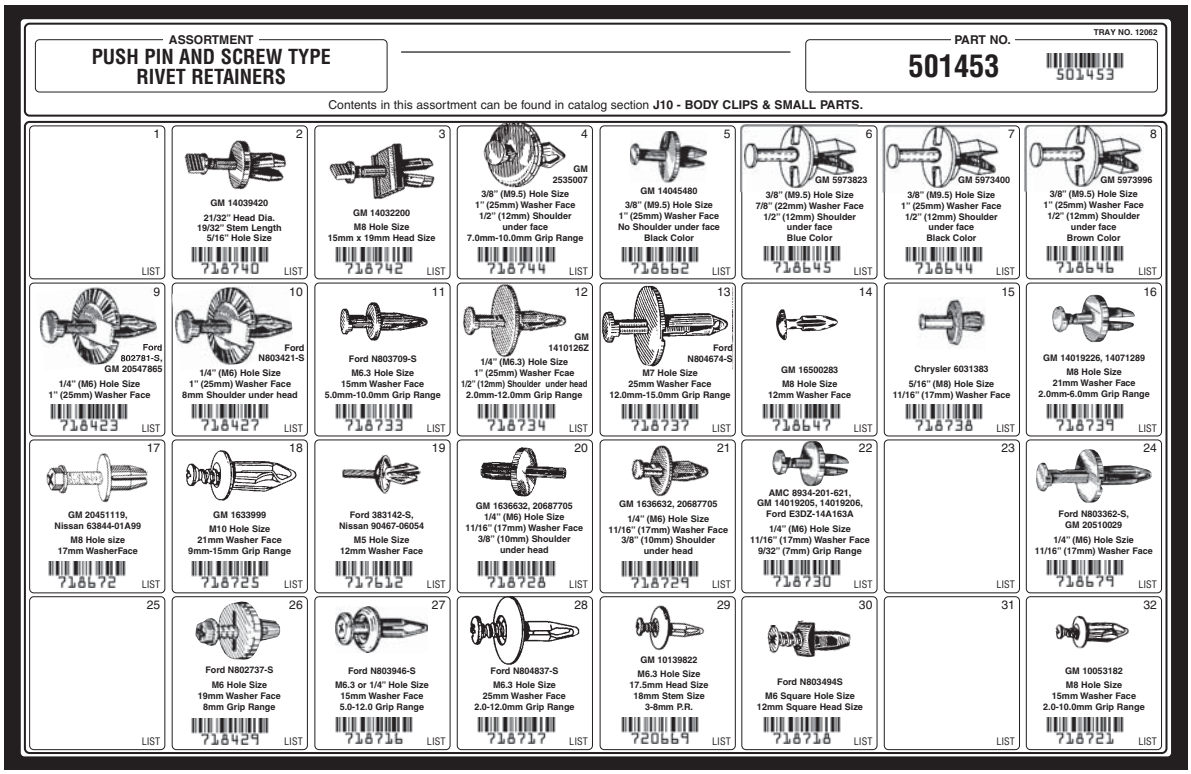


Part No. 501769 **21 Items** **Total Pcs. 282**

STEEL TRAY ASSORTMENT



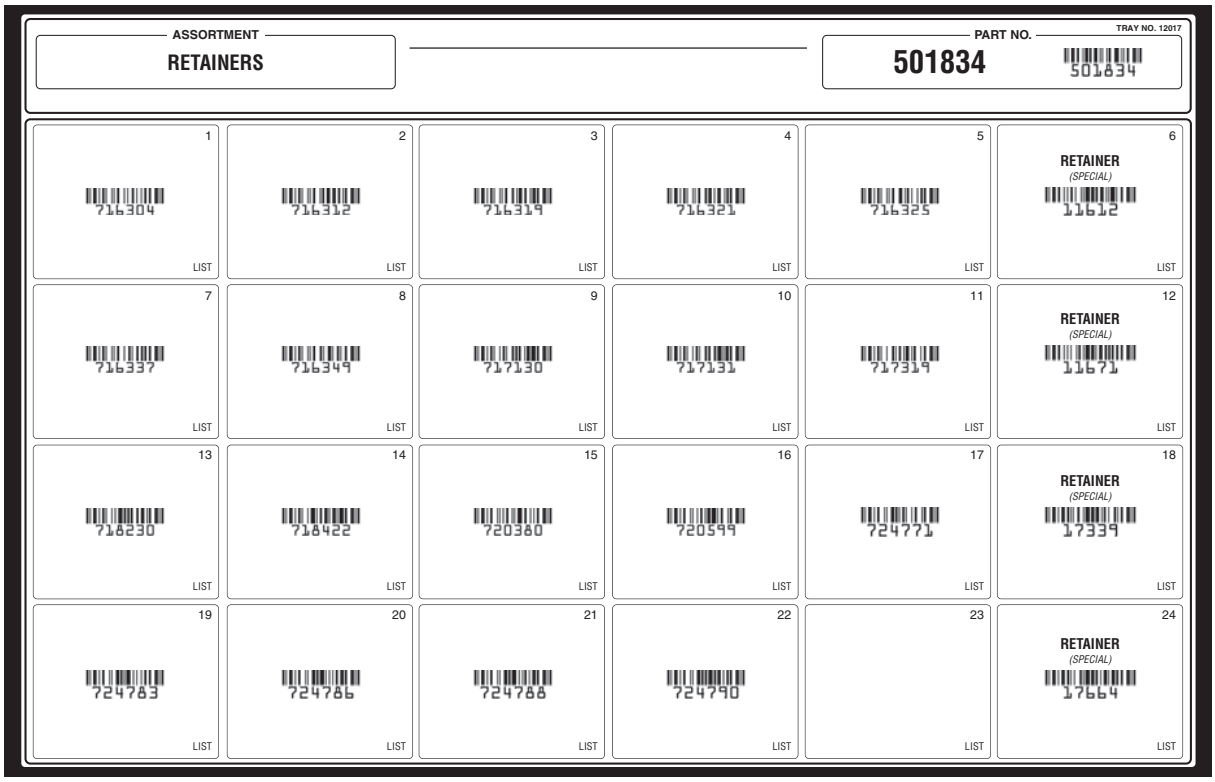
Part No. 501773 **24 Items** **Total Pcs. 352**



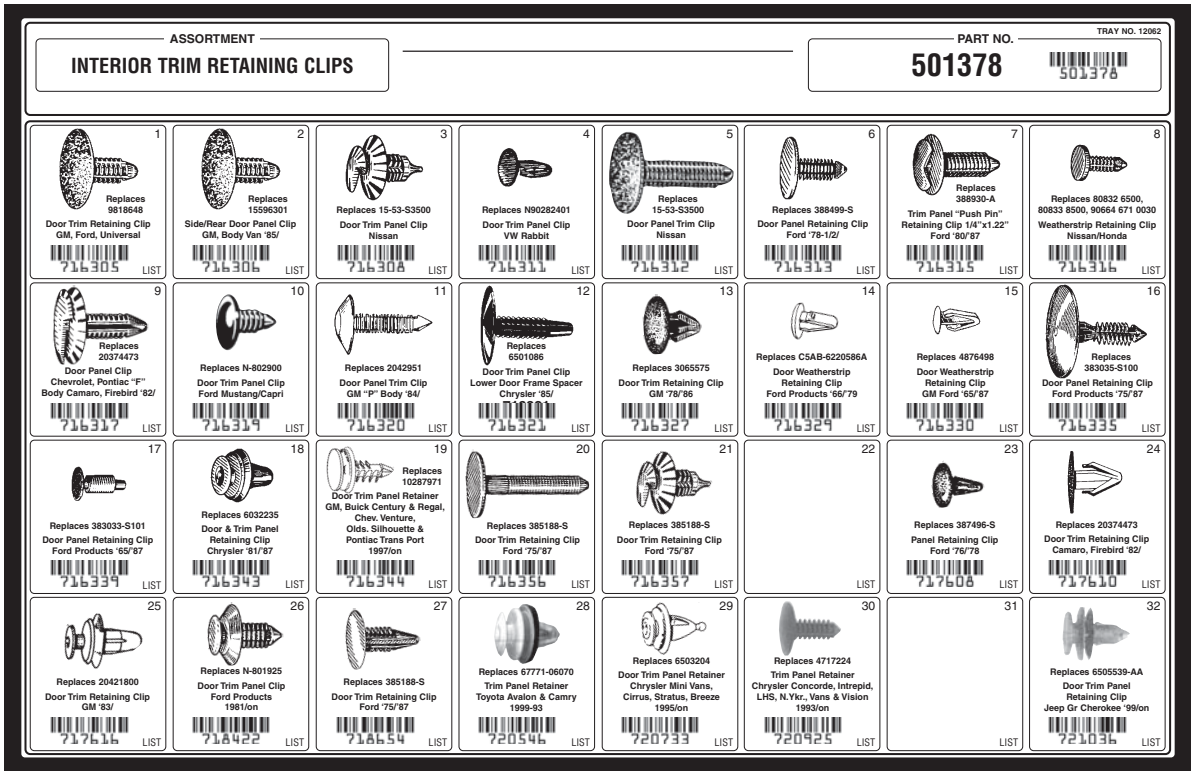
Part No. 501453 **28 Items** **Total Pcs. 115**

STEEL TRAY ASSORTMENT

J10 ASST

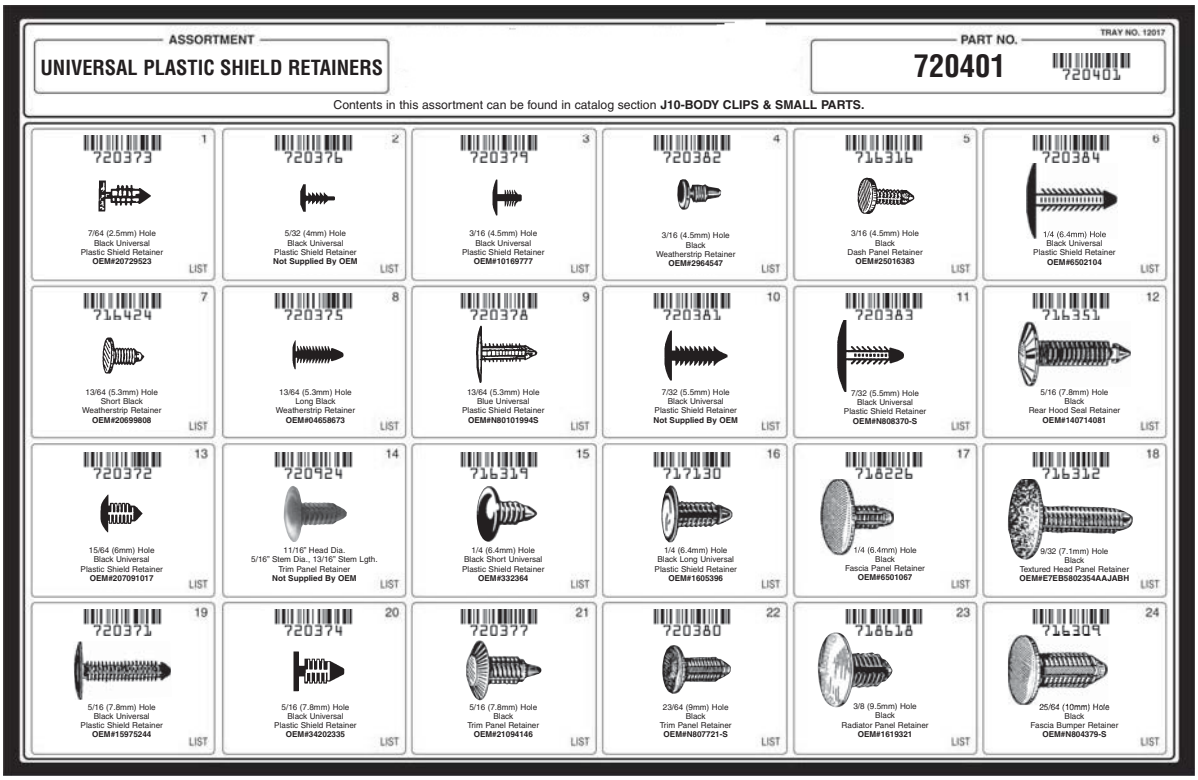


Part No. 501834 **19 Items** **Total Pcs. 228**

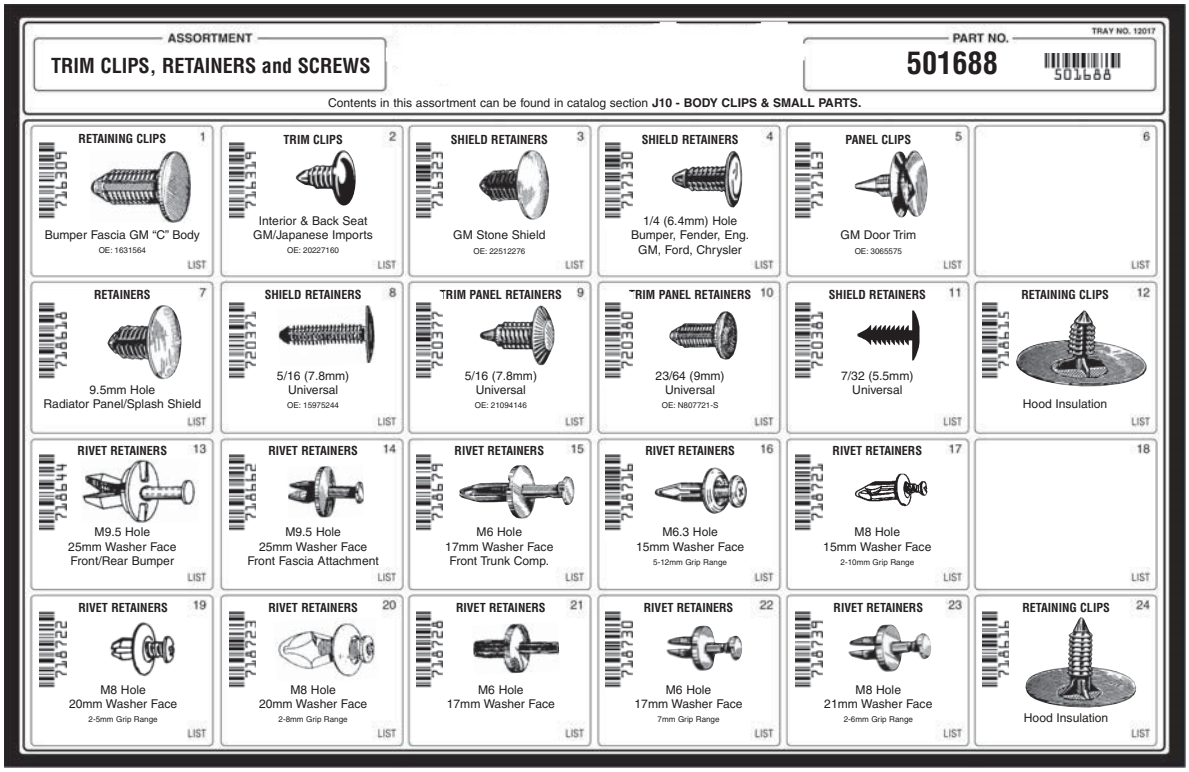


Part No. 501378 **30 Items** **Total Pcs. 171**

STEEL TRAY ASSORTMENT



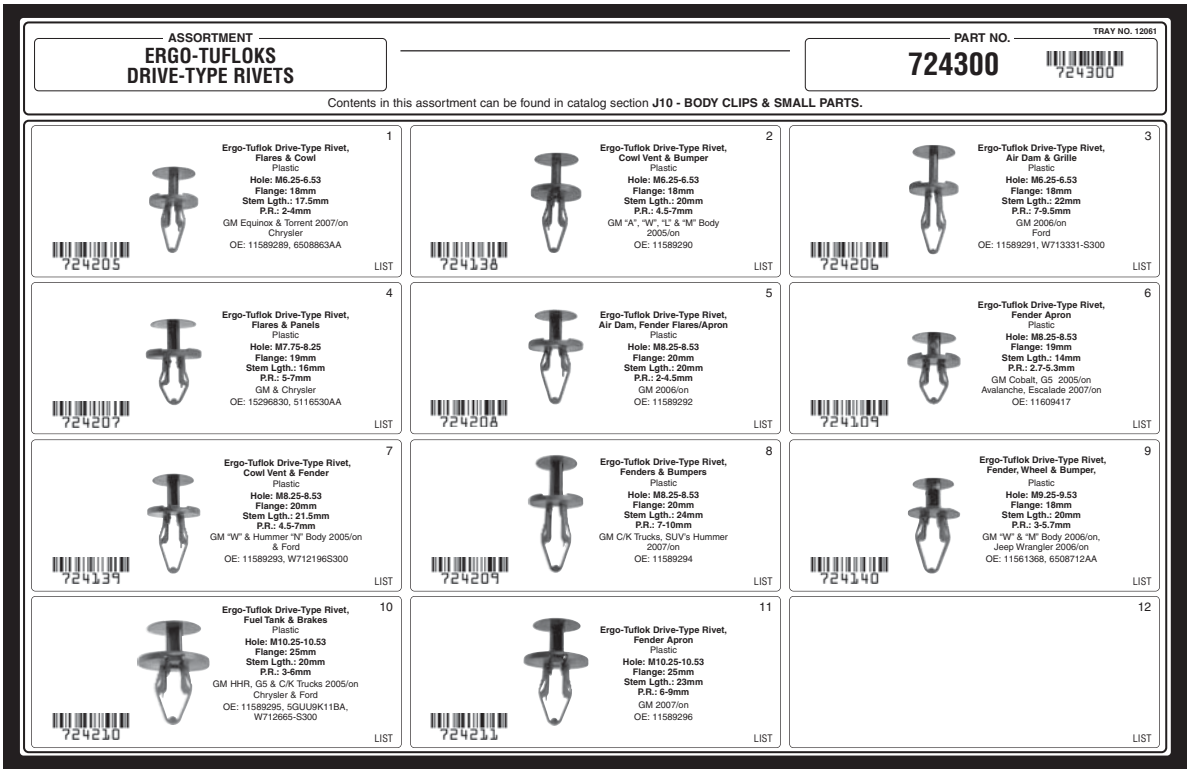
Part No. 720401 **24 Items** **Total Pcs. 500**



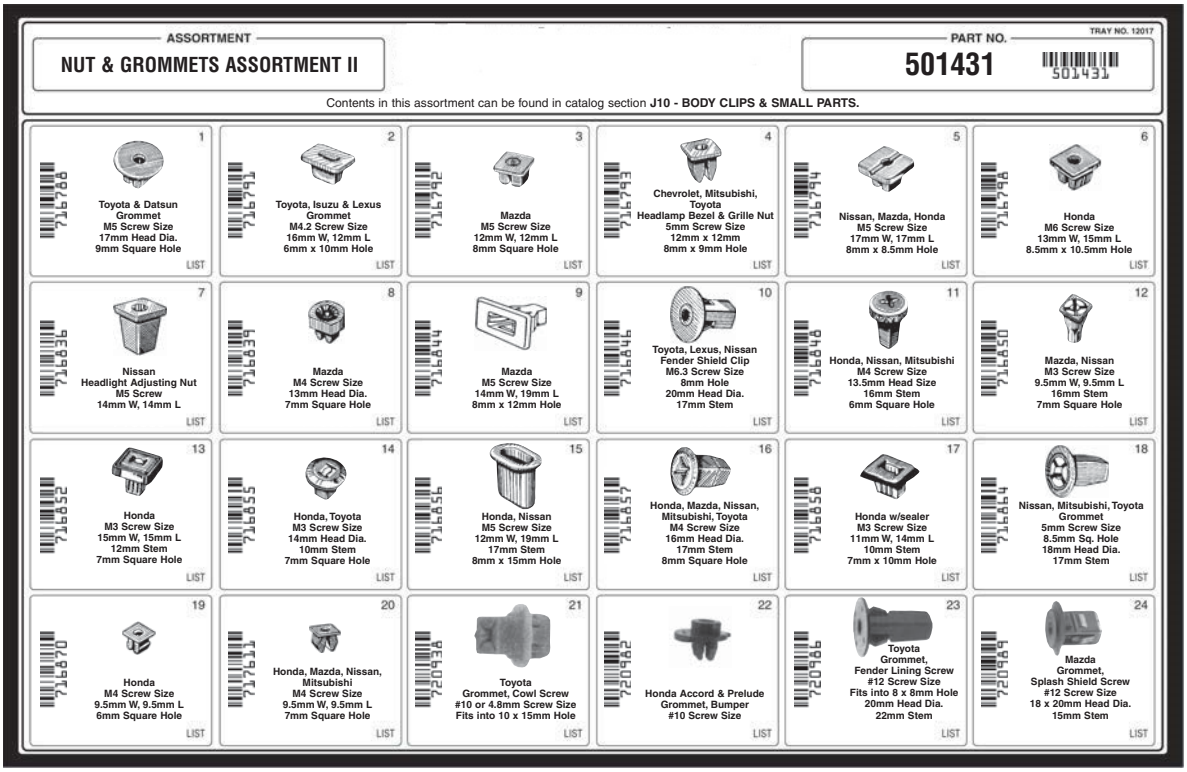
Part No. 501688 **22 Items** **Total Pcs. 345**

STEEL TRAY ASSORTMENT

J10 ASST

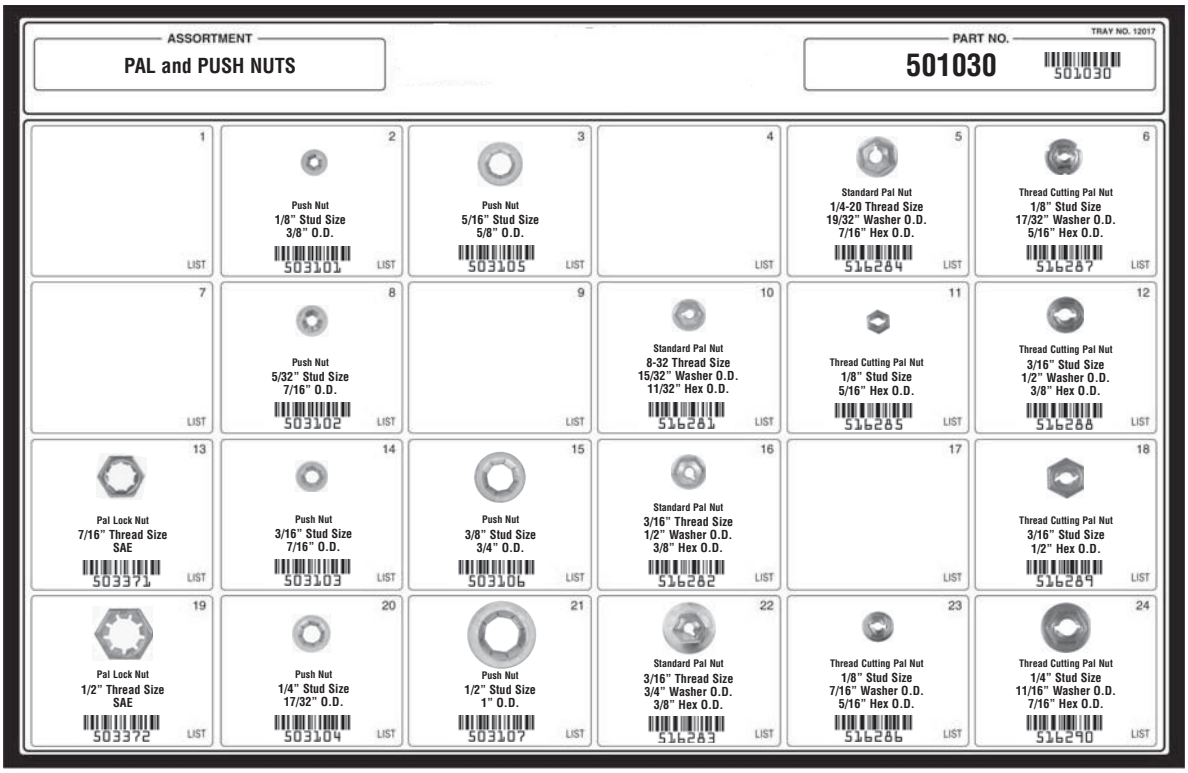


Part No. 724300 **11 Items** **Total Pcs. 134**

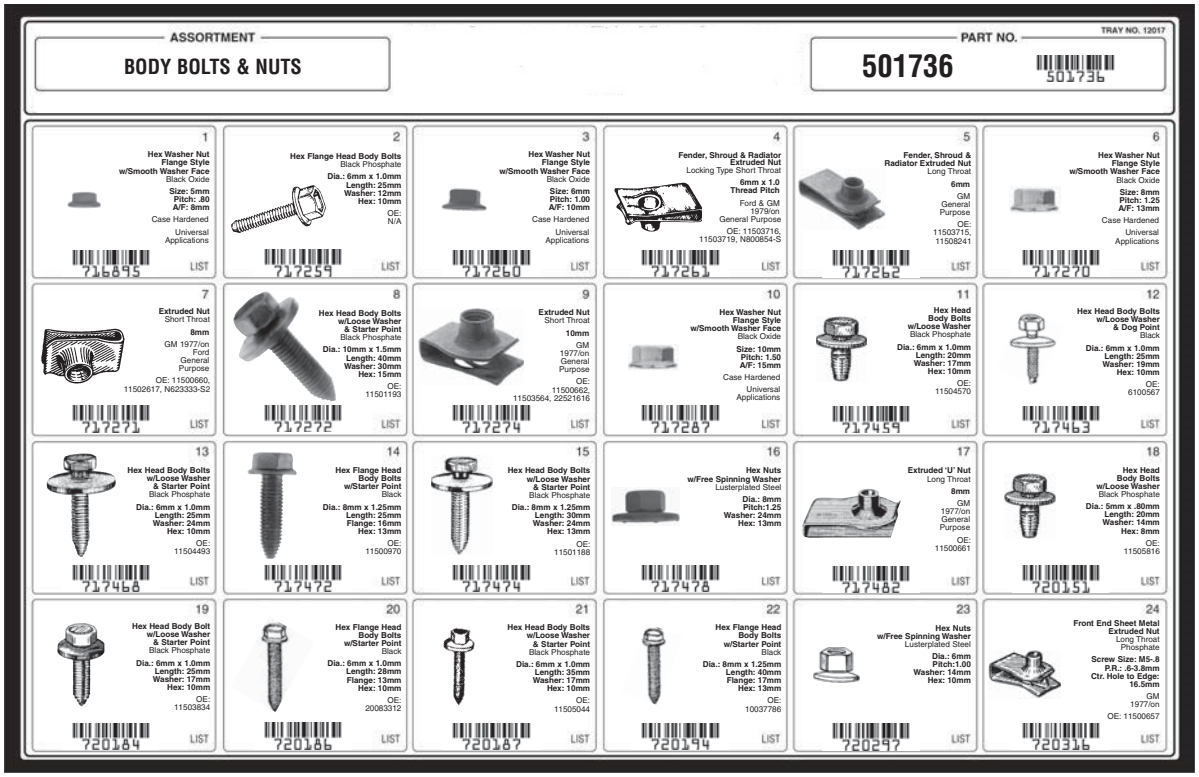


Part No. 501431 **24 Items** **Total Pcs. 140**

STEEL TRAY ASSORTMENT



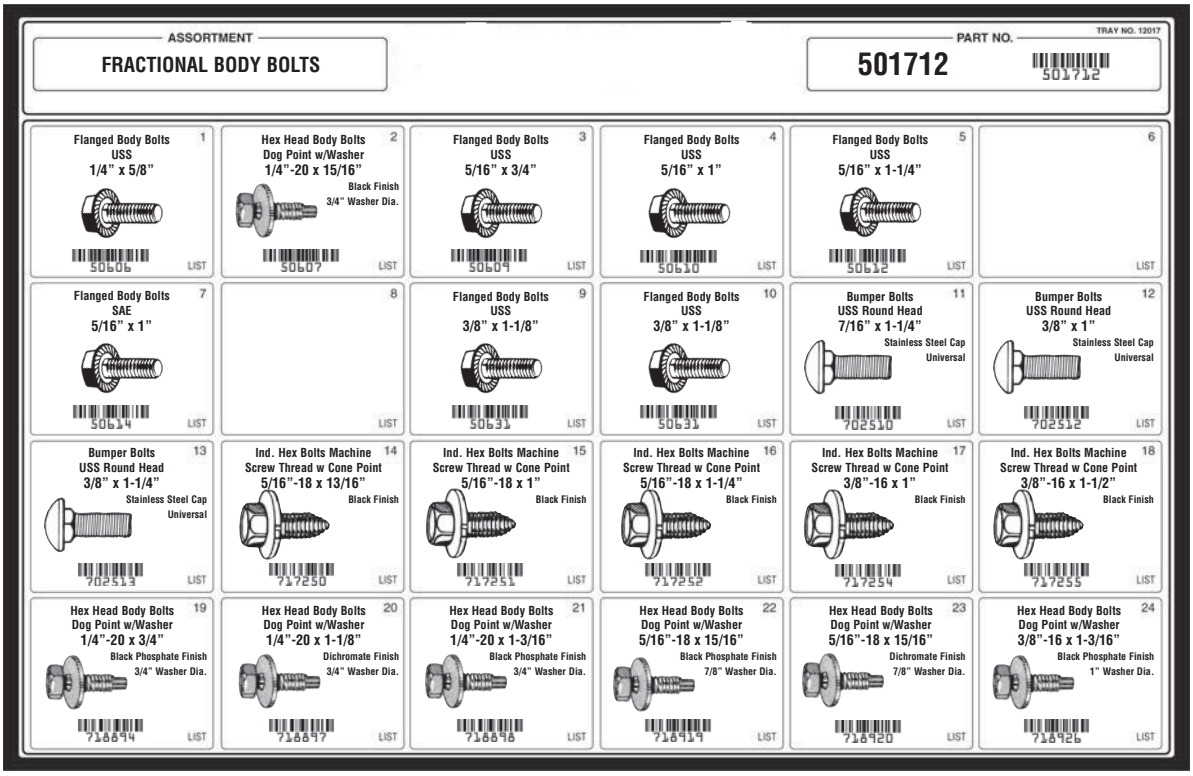
Part No. 501030 **19 Items** **Total Pcs. 715**



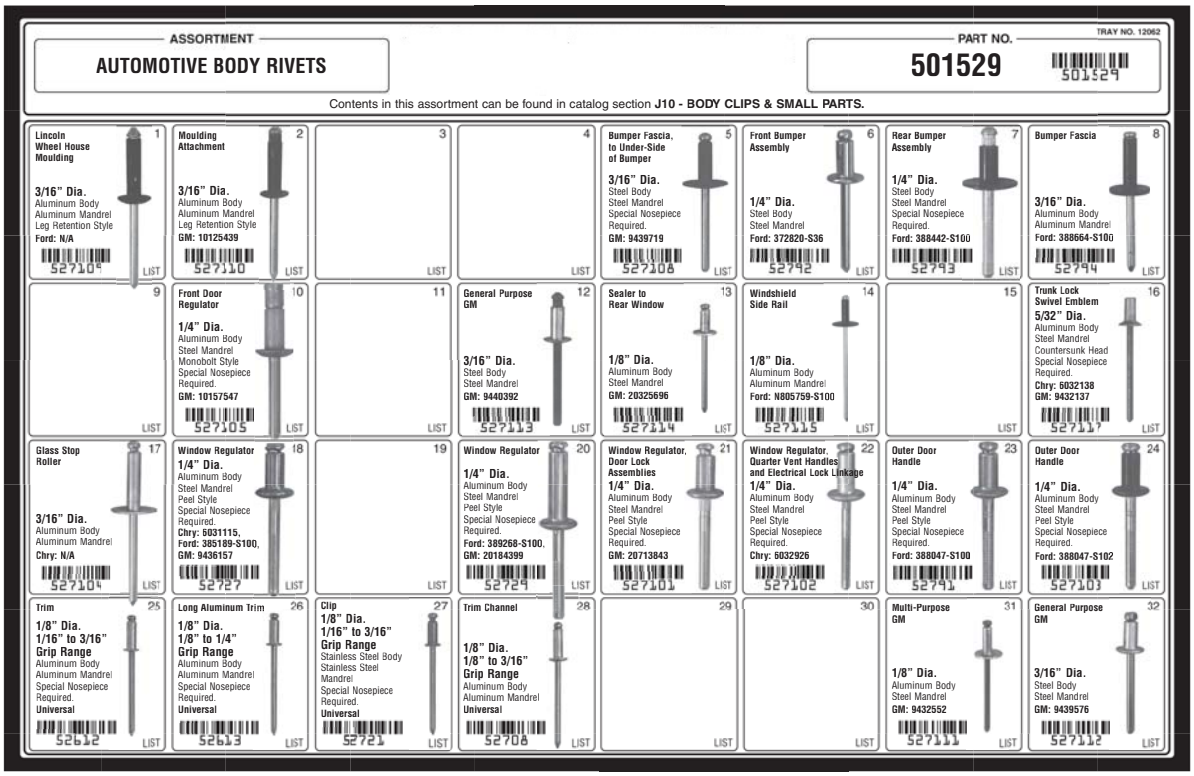
Part No. 501736 **24 Items** **Total Pcs. 239**

STEEL TRAY ASSORTMENT

J10 ASST

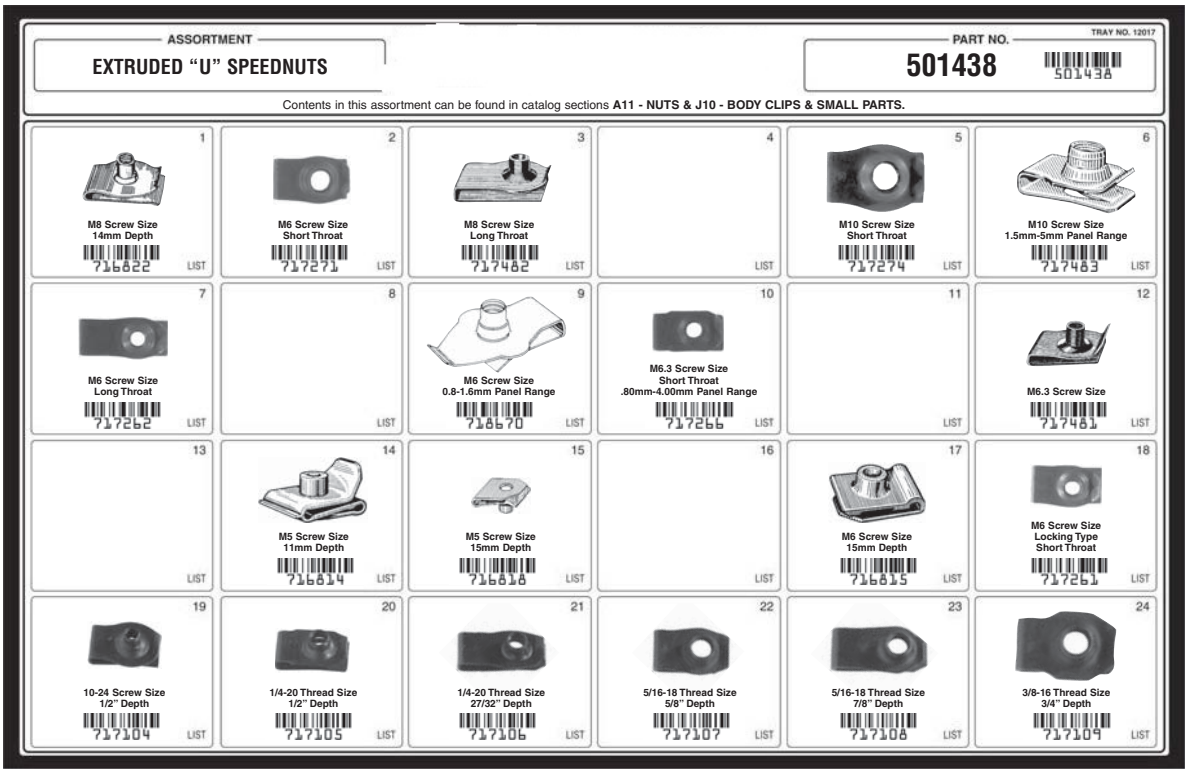


Part No. 501712 **21 Items** **Total Pcs. 125**

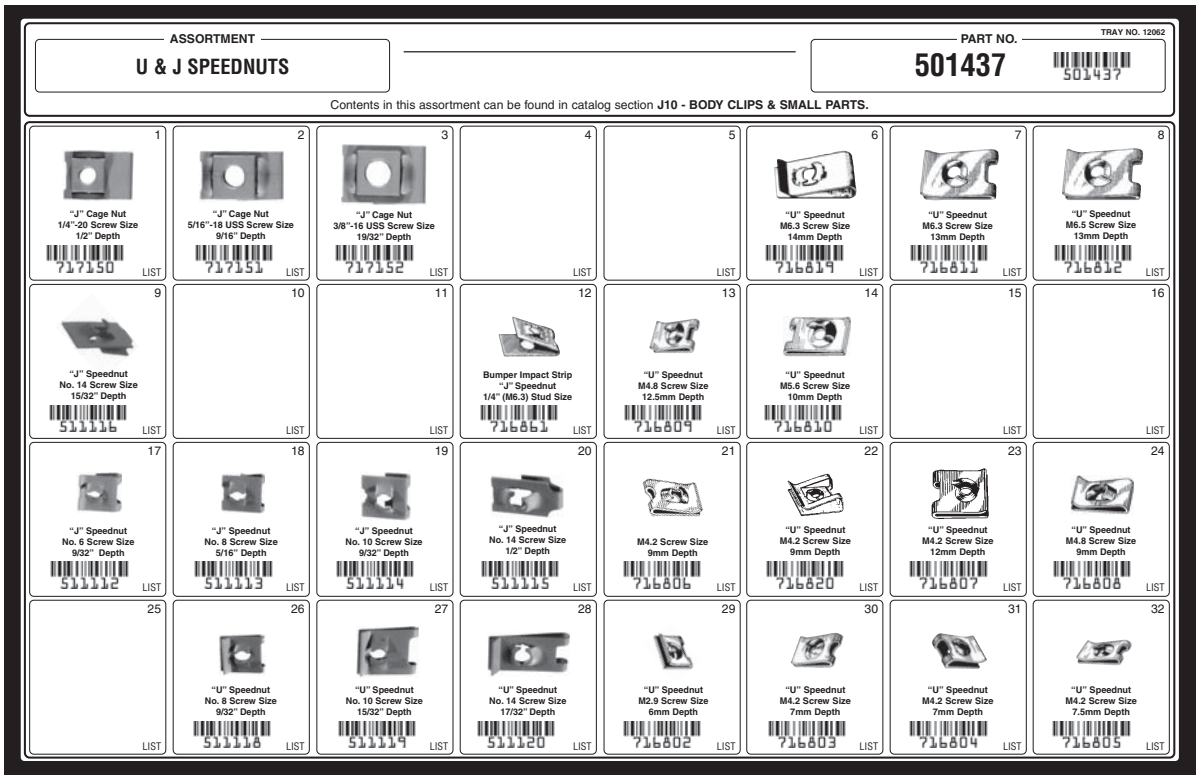


Part No. 501529 **24 Items** **Total Pcs. 275**

STEEL TRAY ASSORTMENT

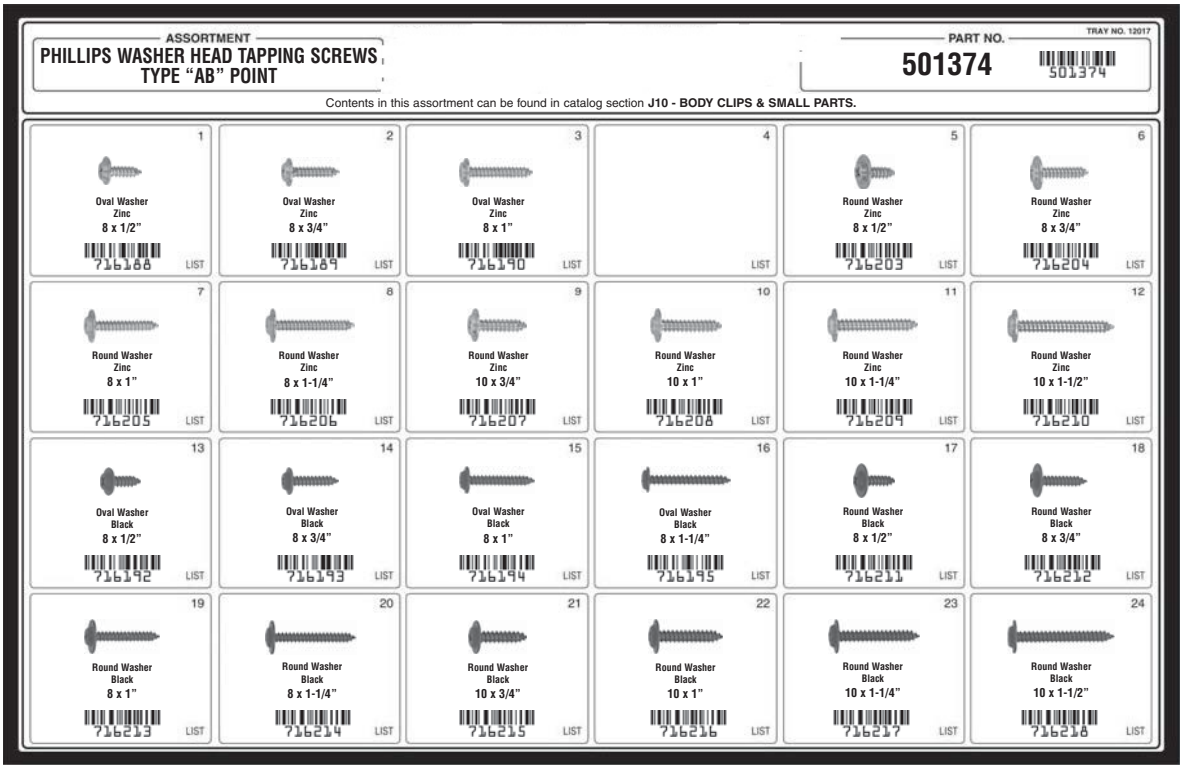


Part No. 501438 **19 Items** **Total Pcs. 170**

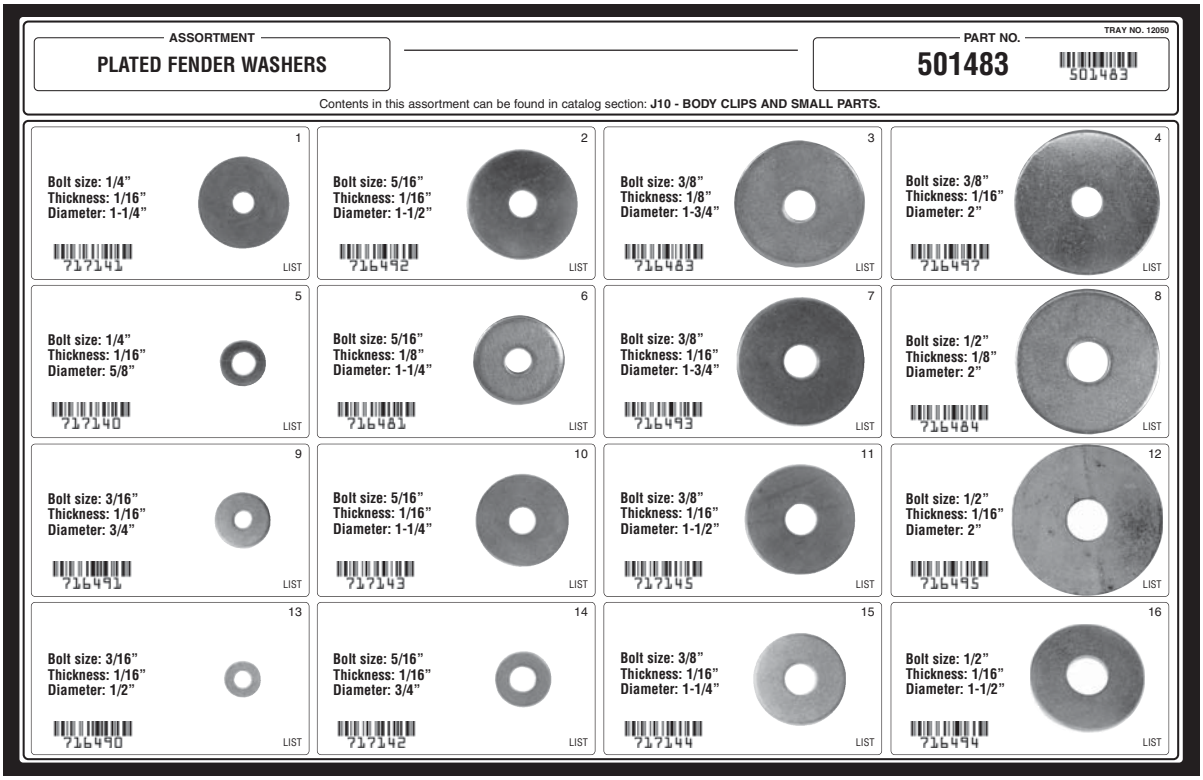


Part No. 501437 **25 Items** **Total Pcs. 324**

STEEL TRAY ASSORTMENT

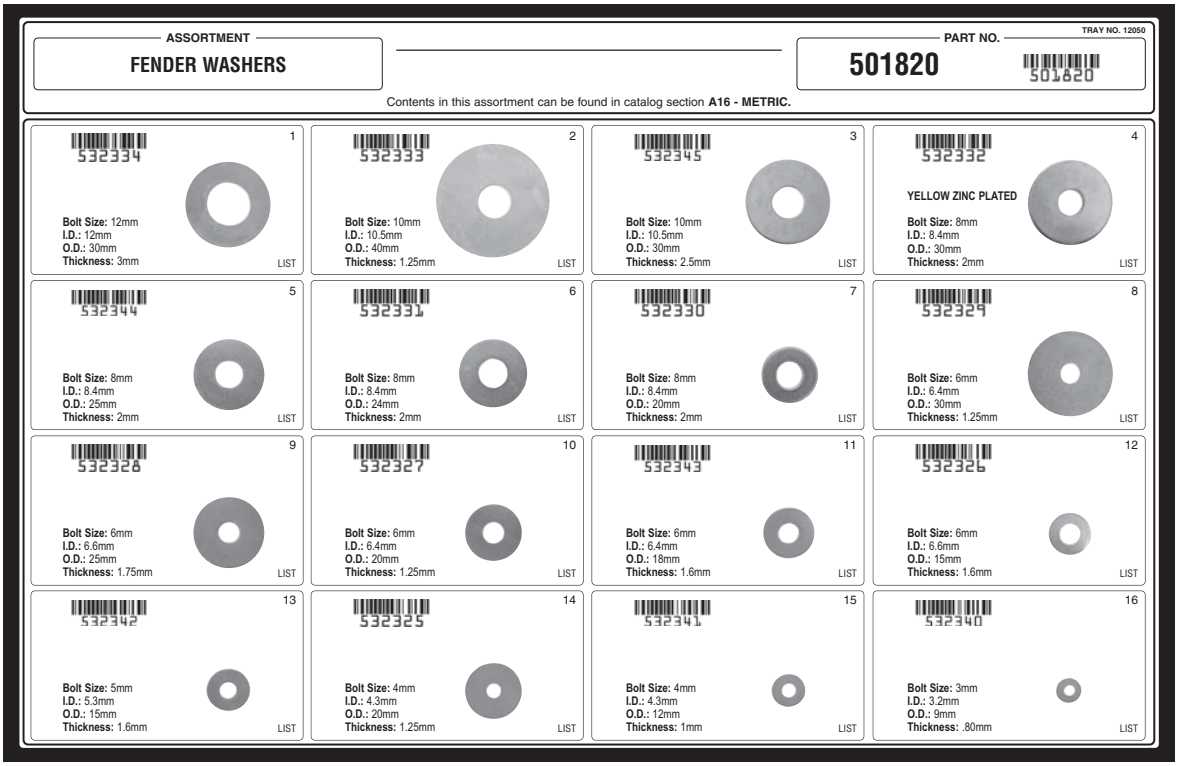


Part No. 501374 **23 Items** **Total Pcs. 490**



Part No. 501483 **16 Items** **Total Pcs. 325**

STEEL TRAY ASSORTMENT



Part No. 501820 **16 Items** **Total Pcs. 295**



Part No. 501810 **21 Items** **Total Pcs. 136**

STEEL TRAY ASSORTMENT

FORD BODY SHOP FASTENERS **501811**



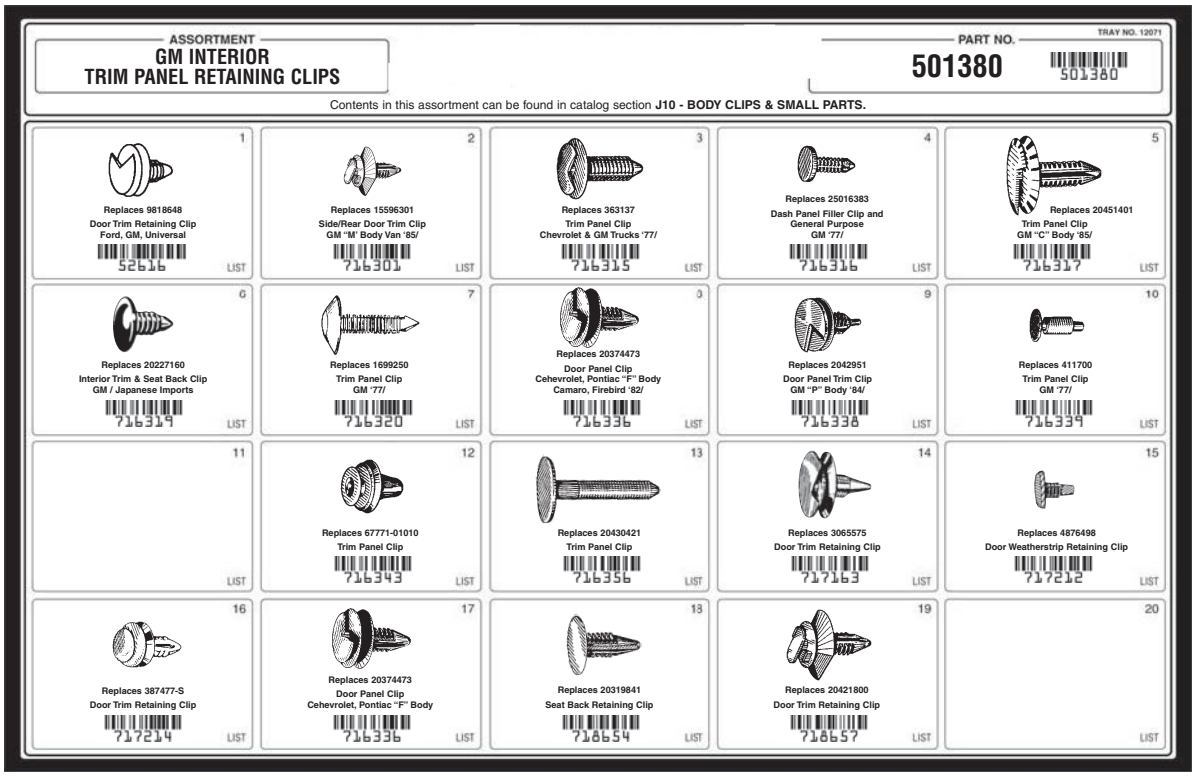
Part No. 501811 **24 Items** **Total Pcs. 148**

FORD, CHRYSLER & GM COMBO ASSORTMENT **501815**

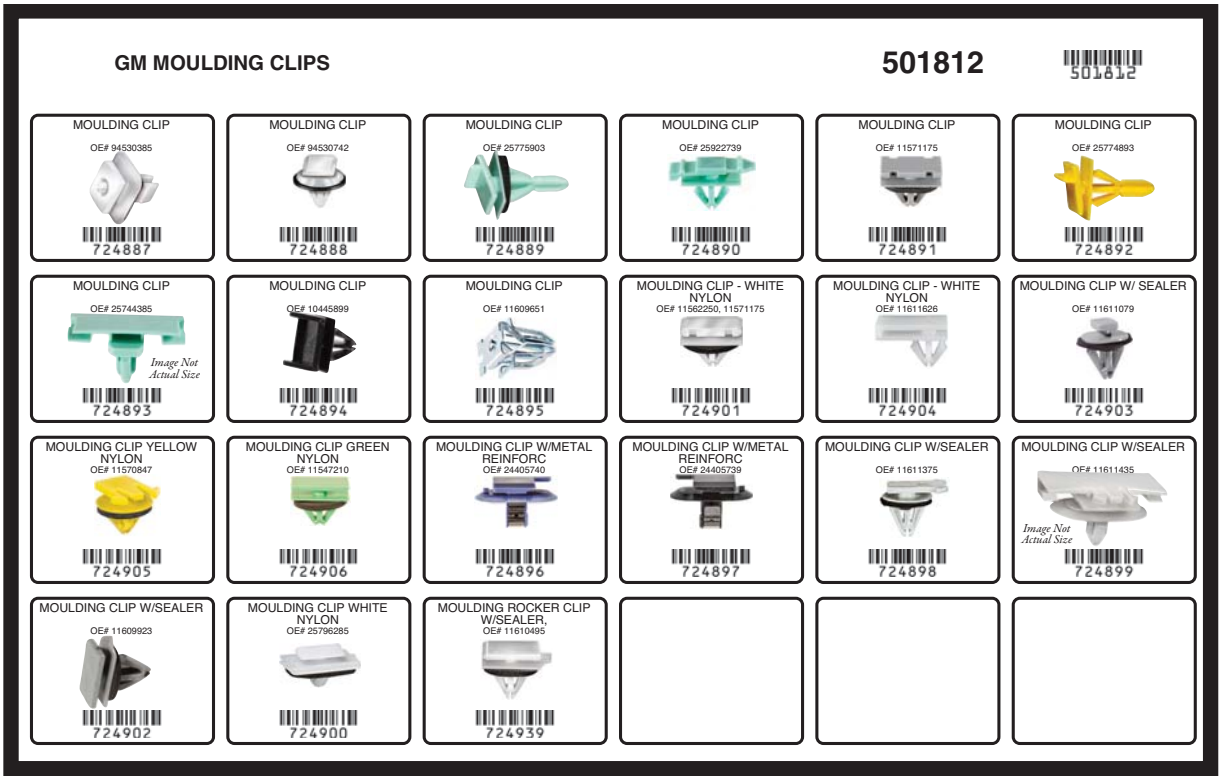


Part No. 501815 **24 Items** **Total Pcs. 132**

STEEL TRAY ASSORTMENT



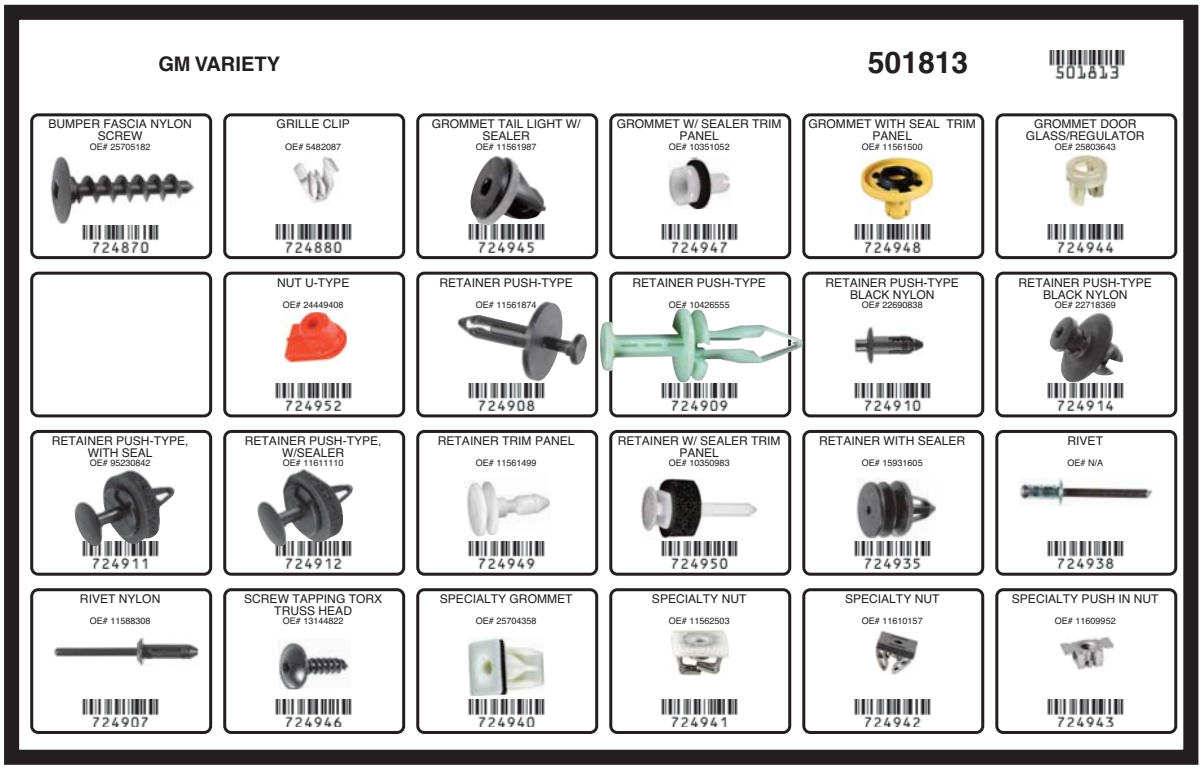
Part No. 501380 **17 Items** **Total Pcs. 176**



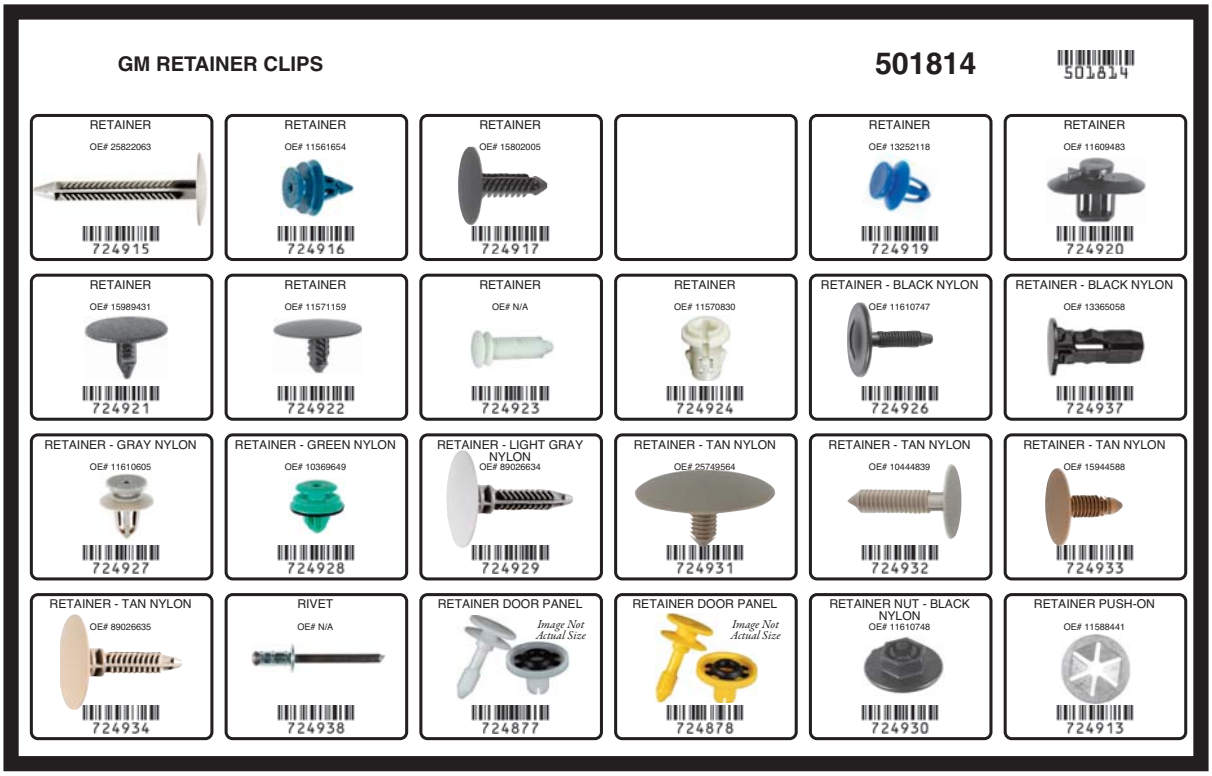
Part No. 501812 **21 Items** **Total Pcs. 116**

STEEL TRAY ASSORTMENT

J10 ASST



Part No. 501813 **23 Items** **Total Pcs. 132**



Part No. 501814 **23 Items** **Total Pcs. 132**

STEEL TRAY ASSORTMENT

HONDA / ACURA CLIPS & RETAINERS

501801

CABLE CLIP OE# 91558-SE3-003 724700	MOULDING CLIP OE# 90602-SFA-004 724701	MOULDING CLIP - BLACK NYLON OE# 91530-S0A-003 724706	MOULDING CLIP - WHITE NYLON OE# 75316-S9A-004 724705	MOULDING CLIP W/SEALER BLK NYL OE# 91512-SJ6-J01 724702	MOULDING CLIP W/SEALER WHT NYL OE# 91512-S50-003 724703
MOULDING CLIP W/SEALER WHT NYL OE# 76222-SP1-003 724704	RETAINER OE# 90602-TA0-003 724708	RETAINER, PUSH TYPE BLK NYL OE# 91505-TM8-003 724707	SCREW GROMMET OE# 90107-S0X-A01 724709	WEATHERSTRIP CLIP GREEN NYL OE# 72311-SSS-003 724710	WEATHERSTRIP CLIP - WHITE NYL OE# 91563-SCV-003 724711
WEATHERSTRIP CLIP - YELLOW NYL OE# 91568-TR0-003, 90651-TP8-003 724712	RETAINER OE# 91567-S3M-000 724986	RETAINER OE# 91560-SZW-003 724987	RETAINER OE# 91560-SZW-J01 724988	RETAINER - BLACK NYLON OE# 90671-S0D-003ZK 724989	RETAINER - BLACK NYLON OE# 91501-SWA-003 724990
RETAINER PUSH-TYPE OE# 91503-S7A-003 724982	RETAINER PUSH-TYPE OE# 91503-SHJ-A01 724983	RETAINER PUSH-TYPE OE# 91501-TR0-003 724984	RETAINER PUSH-TYPE GRAY NYLON OE# 91550-S50-000ZK 724985	RETAINER TRIM PANEL W/SEALER OE# 91560-S0X-A01 724992	RETAINER WITH SEALER OE# 91560-S7A-003 724991

Part No. 501801 **24 Items** **Total Pcs. 168**

LEXUS BODY SHOP FASTENERS

501802

CLIP BUMPER COVER OE# 53879-50020 725121	CLIP GRILLE OE# 90467-10190 725126	MOULDING CLIP OE# 75392-35220 725127	MOULDING CLIP OE# 75393-60030 725128	WINDSHIELD CLIP BLUE NYLON OE# 75545-53011, 75545-53010 725144	MOULDING CLIP - WHITE NYLON OE# 90467-12074 725132
MOULDING CLIP - WHITE NYLON OE# 90467-12071 725133	MOULDING CLIP W/SEALER RED NYL OE# 90467-12072 725130	MOULDING CLIP W/SEALER - WHITE OE# 52197-30040 725131	"MOULDING CLIP, FENDER PANEL" OE# 90467-07137 725125	PIN BUMPER COVER OE# 47749-50090 725122	RETAINER DOOR PANEL W/SEALER OE# 67773-0E020 725124
RETAINER PUSH-TYPE OE# 53259-0E010 725135	RETAINER PUSH-TYPE OE# 90467-05136 725136	RETAINER TRIM W/SEALER, GREEN OE# 67771-32120 725142	RETAINER, BUMPER BLACK NYLON OE# 90467-05125 725123	RETAINER, PUSH-TYPE, BLACK NYL OE# 51454-48010, 51454-0E010 725137	RETAINER, PUSH-TYPE, BLACK NYL OE# 51453-48010, 514530E010 725138
SCREW GROMMET OE# 52535-30150 725139	SCREW GROMMET - YELLOW NYLON OE# 90189-04207 725140	SPECIALTY RIVET OE# 90269-03064 725141	U TYPE NUT NYLON OE# 53879-17020 725134	U-TYPE NUT - BLACK NYLON OE# 90467-05138 Photo not actual size 725120	WEATHERSTRIP CLIP, BLACK NYLON OE# 67867-50020 725143

Part No. 501802 **24 Items** **Total Pcs. 160**

STEEL TRAY ASSORTMENT

J10 ASST

TOYOTA #1 **501803**

MOULDING CLIP OE# 75819-33010 725443	MOULDING CLIP OE# 67771-58010 725445	MOULDING CLIP OE# 75395-0T010 725446	MOULDING CLIP OE# 90467-11099 725447	MOULDING CLIP OE# 52535-0E030 725448	MOULDING CLIP - PINK NYLON OE# 90467-12080 725451
MOULDING CLIP - WHITE NYLON OE# 90467-09204 725453	MOULDING CLIP - WHITE NYLON OE# 90467-12073 725454	MOULDING CLIP - YELLOW NYLON OE# 90467-12075 725457	MOULDING CLIP BLACK NYLON OE# 61991-35010 Photo not actual size 725449	MOULDING CLIP BLACK NYLON OE# 61992-35010 Photo not actual size 725450	MOULDING CLIP W/SEALER, YELLOW OE# 81496-21010 725452
MOULDING CLIP WITH SEALER OE# 76817-12060 725455	MOULDING CLIP W/SEALER WHITE OE# 75867-AC020 725456	MOULDING RETAINER OE# 76853-10010 725458	NUT NYLON OE# 90075-10004, 81150-1A750, 81137-22530 725459	NUT NYLON OE# 90189-06211 725460	RETAINER OE# 75867-AA010, 75867-33030 725473
RETAINER OE# 90080-46010 725474	RETAINER OE# 90467-05164-E2 725475	RETAINER OE# 90467-09212 725476	RETAINER OE# 67868-30030 725477		RETAINER - BLACK NYLON OE# 90467-10186 725479

Part No. 501803 **23 Items** **Total Pcs. 168**

TOYOTA #2 **501804**

RETAINER OE# 90467-05164-B6 725480	RETAINER PUSH TYPE OE# 90467-09185 725470	RETAINER PUSH TYPE OE# 90467-10206 725471	RETAINER PUSH TYPE OE# 90467-07071-22 725472	WEATHERSTRIP RETAINER OE# 90467-06128 725493	FRONT FENDER PINS 47749-58010 724201
RETAINER PUSH-TYPE OE# 90080-46294 725466	RETAINER PUSH-TYPE OE# 90467-09227 725467	RETAINER PUSH-TYPE OE# 75867-06030 725468	RETAINING CLIP OE# 90467-08101 725481	SCREW GROMMET OE# 90189-06177 725482	SCREW GROMMET OE# 90189-A0002 725483
SCREW GROMMET OE# 90189-06145 725484	SCREW GROMMET W/SEALER OE# 90189-04102 725485	FRONT FENDER CLIPS 53879-58010 724202	SPECIALTY RIVET OE# 90269-A0005 725487	SPECIALTY RIVET OE# 90269-06054 725488	SPRING LOCKING CLIP OE# 76879-44010 725489
U TYPE NUT NYLON OE# 90467-A0018, 90467-05081 725461	U TYPE NUT NYLON OE# 90467-05128 725462	U TYPE NUT NYLON OE# 53879-20020 725463	U TYPE NUT NYLON OE# 76647-42010 725464	WEATHERSTRIP CLIP OE# 67869-12050 725490	WEATHERSTRIP CLIP OE# 90467-04034 725491

Part No. 501804 **24 Items** **Total Pcs. 148**

STEEL TRAY ASSORTMENT



Part No. 501805 **20 Items** **Total Pcs. 148**



Part No. 501806 **20 Items** **Total Pcs. 152**

STEEL TRAY ASSORTMENT

J10 ASST

HYUNDAI/KIA BODY CLIPS #1

501807

U NUT NYLON OE# 86825-28000 725023	MOULDING CLIP W/SEALER - BLUE OE# 87756-1F000 725012	MOULDING CLIP W/SEALER WHITE OE# 86360-3L000 725013	MOULDING CLIP W/SEALER WHITE OE# 87756-37000 725014	MOULDING CLIP W/SEALER WHITE OE# 87758-39000 725015
MOULDING CLIP W/SEALER WHITE OE# 87770-27000 725016	MOULDING CLIP W/SEALER OE# 87703-H1000 725011	MOULDING CLIP WITH SEALER OE# 87702-H1000 725018	MOULDING CLIP WITH SEALER OE# 87758-3L000 725019	MOULDING CLIP W/SEALER WHITE OE# 87758-35010 725017
MOULDING GROMMET OE# 87759-27000 725020	MOULDING RETAINER GREEN OE# 87756-34520 725022	MOULDING RETAINER W/SEALER OE# 87756-26900 725021	NUT NYLON OE# 87714-FD200 725024	RETAINER OE# 86438-4A100 725027
RETAINER OE# 85849-3B000 725028	RETAINER OE# 86434-4A000 725029	RETAINER - BLACK NYLON OE# 85495-2E050 725033	RETAINER - WHITE NLYON OE# 82315-22000 725031	RETAINER - WHITE NYLON OE# 82315-2P000 725034

Part No. 501807 **20 Items** **Total Pcs. 160**

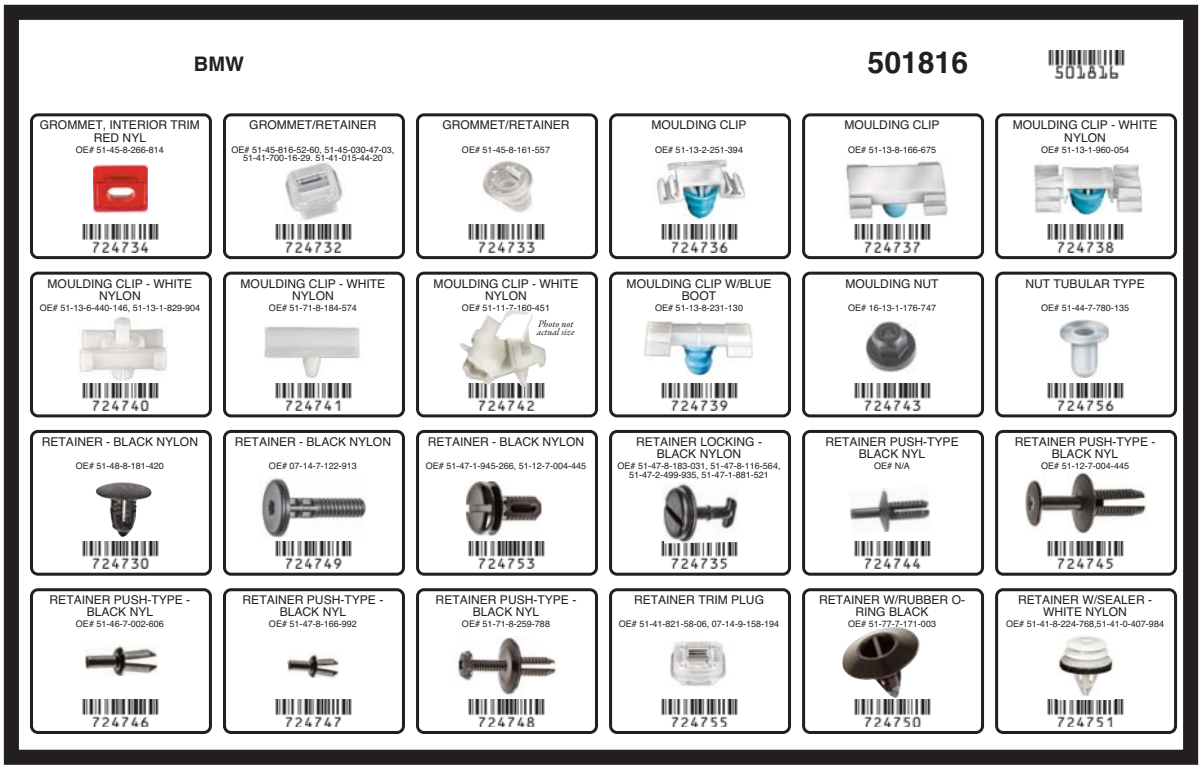
HYUNDAI / KIA BODY CLIPS #2

501808

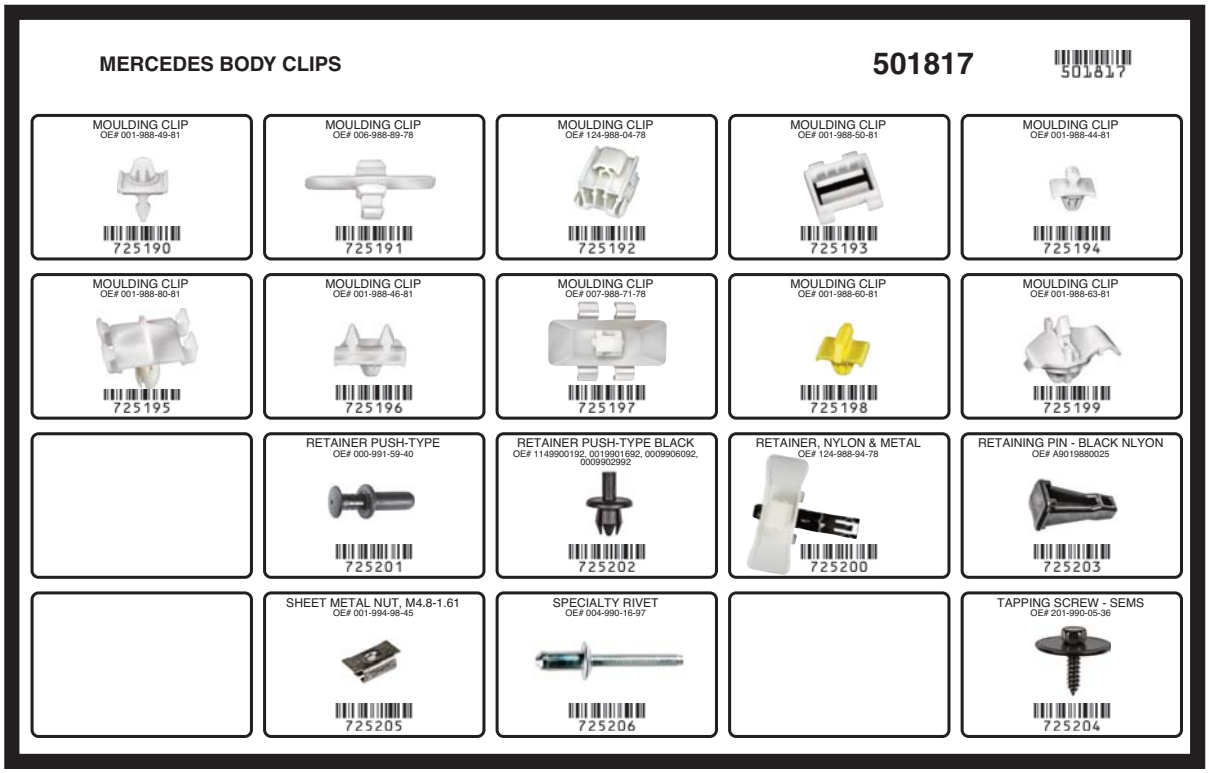
RETAINER - WHITE NYLON OE# 82315-33020 725035	RETAINER - WHITE NYLON OE# 84747-2L000 725036	RETAINER - WHITE NYLON OE# 85506-4A000 725037	RETAINER PUSH-TYPE OE# 86155-2H100 725025	RETAINER PUSH-TYPE OE# 86157-37000 725026
RETAINER TRIM PANEL OE# 82315-27000 725040	RETAINER W/SEALER - BLUE OE# 87378-3N000 725030	RETAINER W/SEALER WHITE OE# 82315-36000 725032	SCREW GROMMET NATURAL OE# 86910-21010 725038	SCREW GROMMET W/SEALER OE# 86625-3S000 725039
MOULDING CLIP OE# 87756-2G000 725080	MOULDING CLIP OE# 86359-33500 725081	MOULDING CLIP W/SEALER OE# 87759-3E000, 87758-3E000, 87719-02500 725082	MOULDING CLIP WITH SEALER OE# 87756-3E500 725083	NUT NYLON OE# 86699-2D000 725085
NUT NYLON FLANGE OE# 8K95A-68615 725084	RETAINER OE# 85746-06000LX 725086	RETAINER OE# 85746-06000RU 725087	RETAINER OE# 86591-25000 725088	

Part No. 501808 **19 Items** **Total Pcs. 148**

STEEL TRAY ASSORTMENT



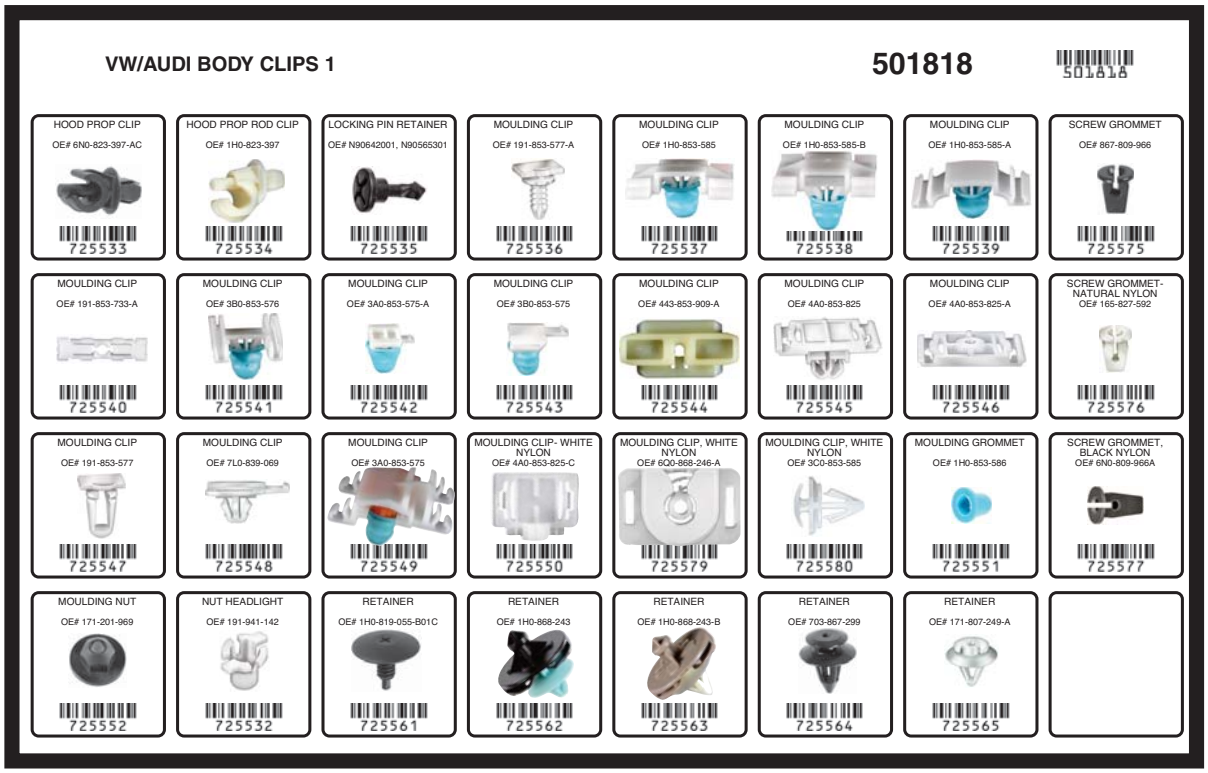
Part No. 501816 **24 Items** **Total Pcs. 148**



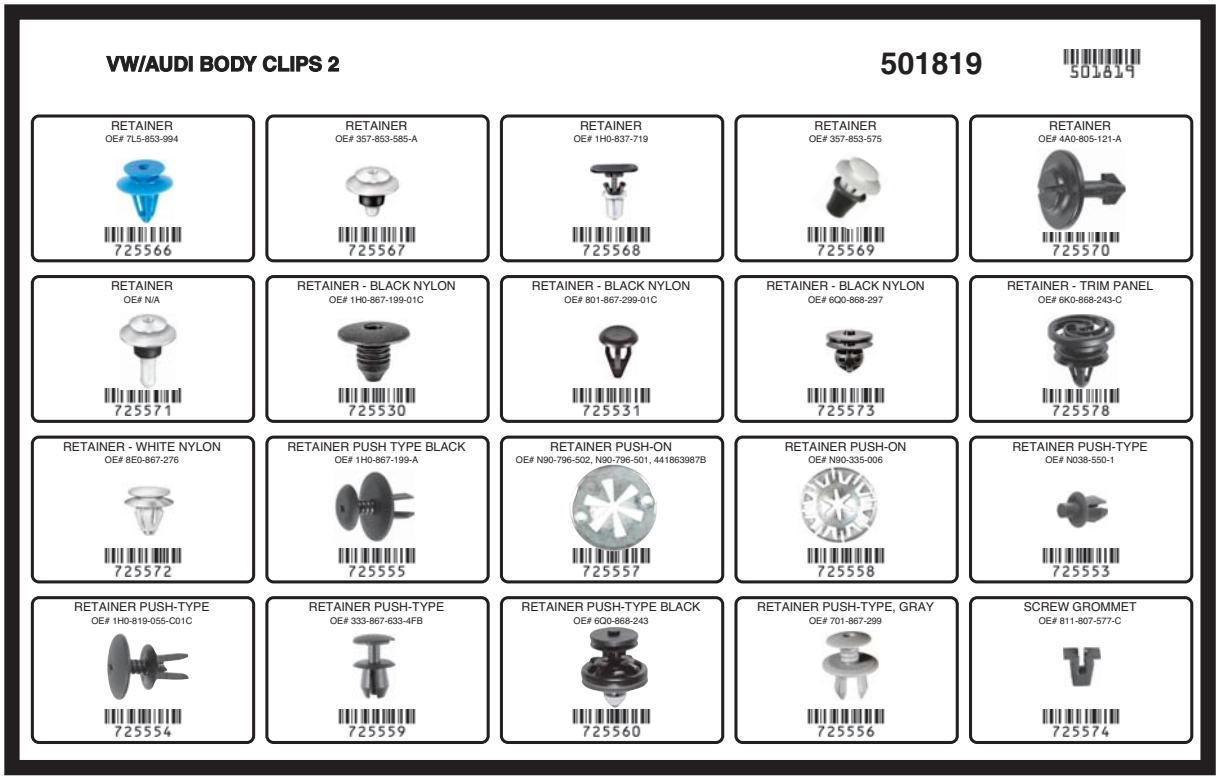
Part No. 501817 **17 Items** **Total Pcs. 116**

STEEL TRAY ASSORTMENT

J10 ASST

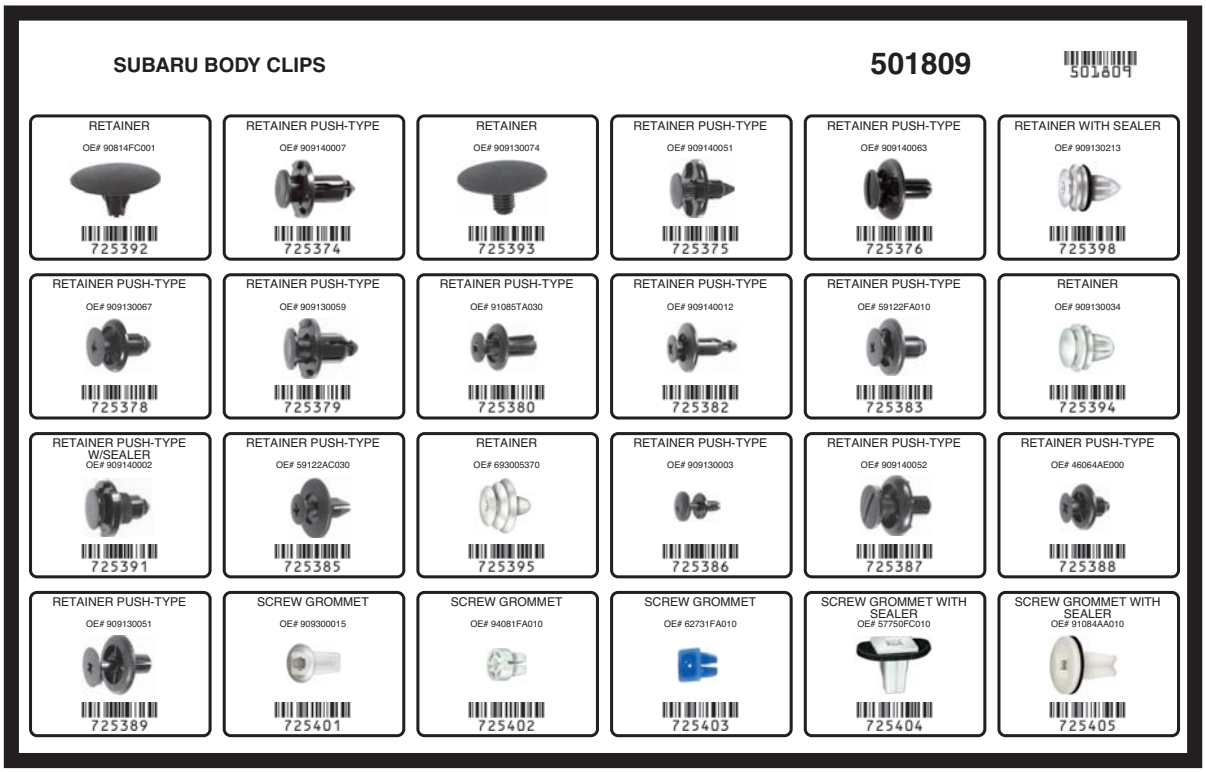


Part No. 501818 **31 Items** **Total Pcs. 208**

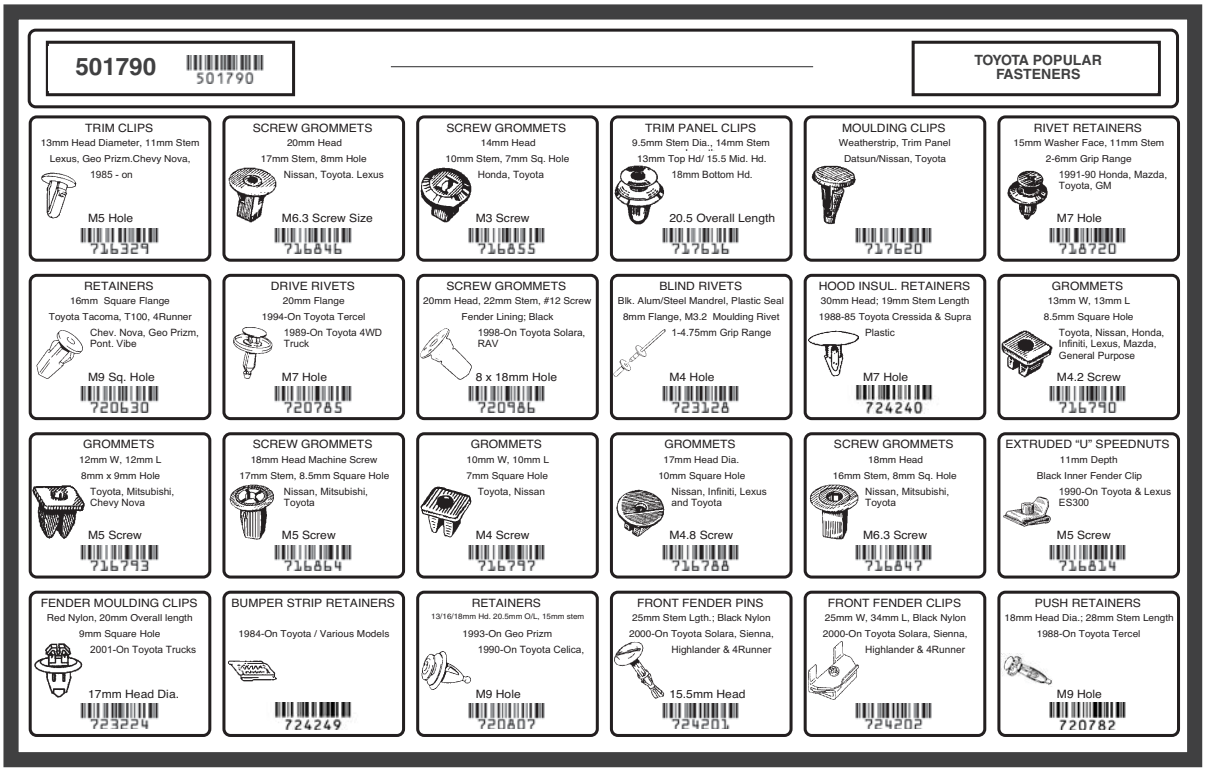


Part No. 501819 **20 items** **Total Pcs. 152**

STEEL TRAY ASSORTMENT



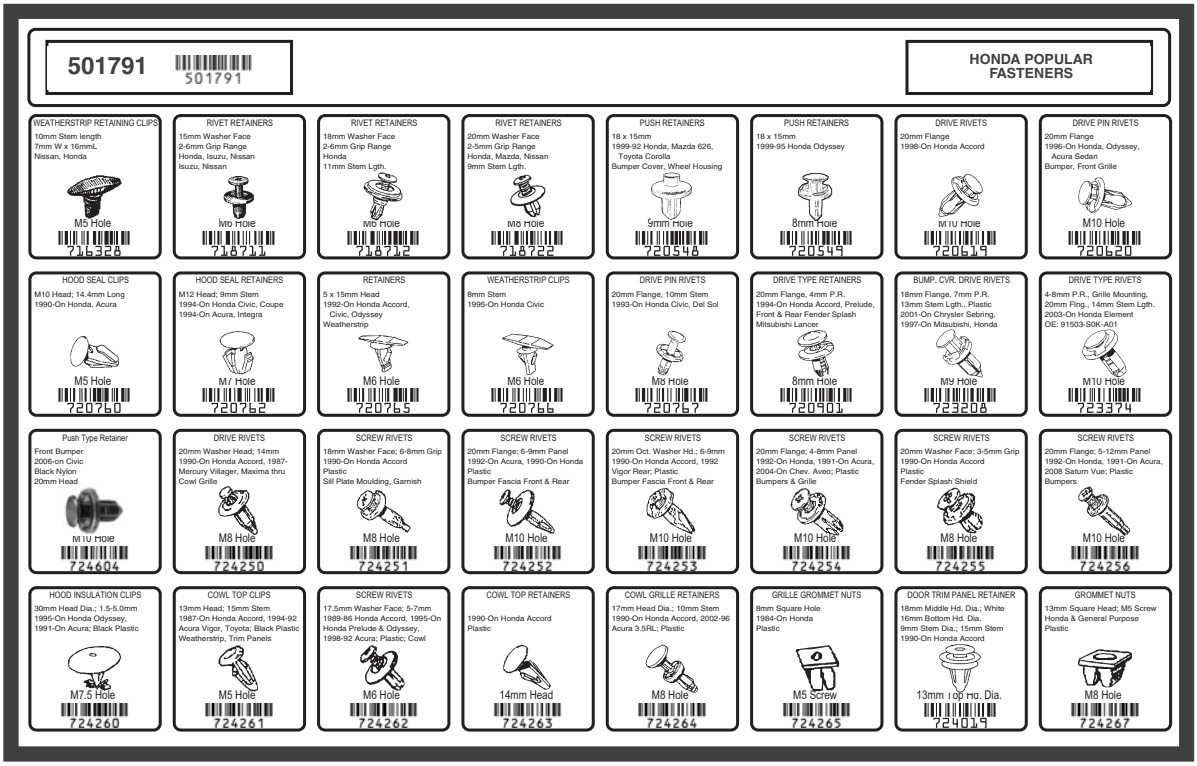
Part No. 501809 **24 Items** **Total Pcs. 148**



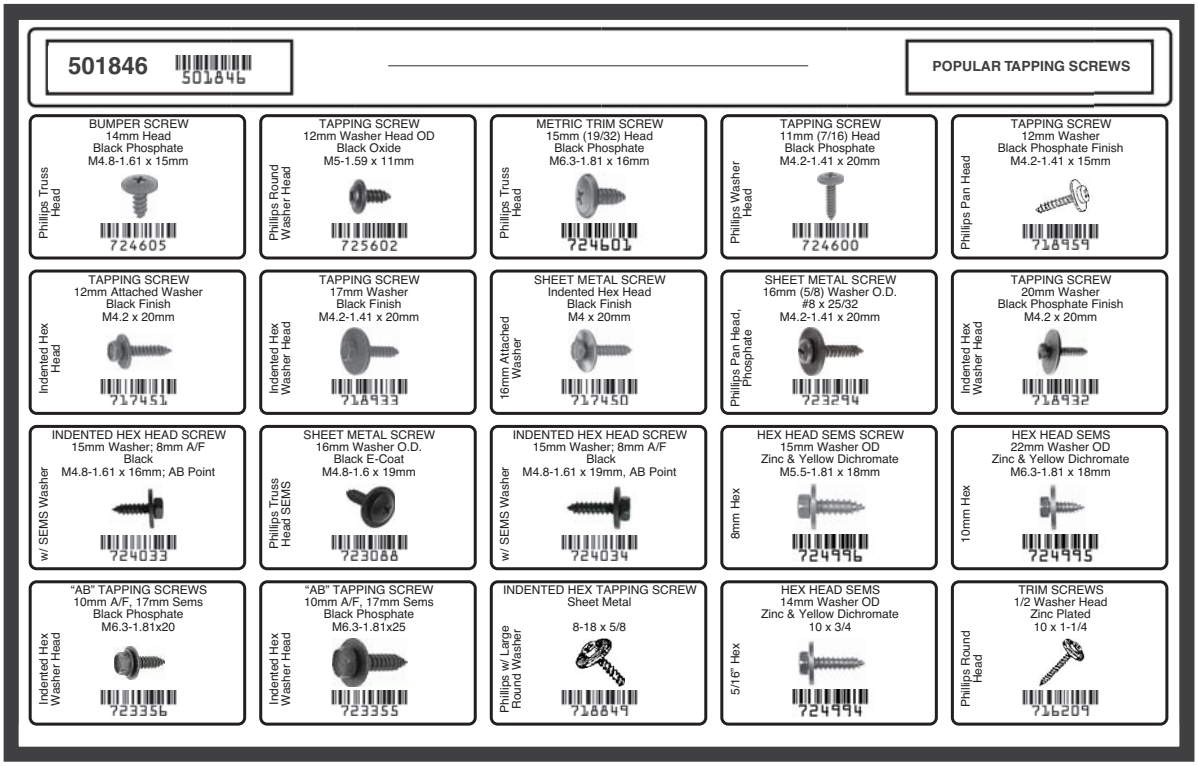
Part No. 501790 **24 Items** **Total Pcs. 134**

STEEL TRAY ASSORTMENT

J10 ASST



Part No. 501791 **32 Items** **Total Pcs. 100**



Part No. 501846 **20 Items** **Total Pcs. 500**

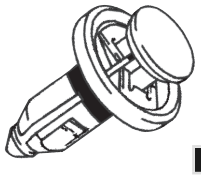
RIVETS

Illustrations are actual size unless otherwise noted.



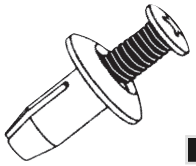
7

720677
Headlight Retaining Rivets
1/4 (m6.3) Rivet
19/32 Flange
13/32 Shoulder
Steel Body / Mandrel
OE:15022087



6

724519
Bumper Drive Type Rivets
Head Dia: 20mm
Stem Dia: 16mm
Fits: 10mm Hole
Panel Range: 8mm
OE:91506-S9A-003



12

724525
Rear Bumper Screw Type
Head Dia: 18mm
Stem Dia: 18mm
Fits: 8mm Hole
Panel Range: 3.8 - 5mm
OE:W710250-S300



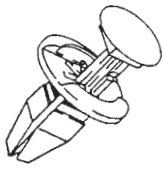
7

720785
Drive Type Rivets
Head Dia: 20mm
Stem Dia: 8mm
Fits: 7mm Hole
Front Fender Liner
OE:90467-07166



5

723013
Drive Type Rivets - Push To Release
Head Dia: 16mm
Stem Dia: 12mm
Fits: 7mm Hole
Liftgate Uppr Window & Lwr Garn. Moulding
OE:11517824,21035345



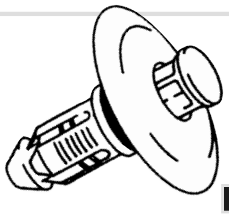
5

723031
Drive Type Rivets
Head Dia: 18mm
Stem Dia: 13mm
Fits: 7.5mm X 7.5mm Hole
Cowl Vent
OE:10301966,10425306



25

723109
Drive Type Rivets
10mm Flange
3 - 8mm Panel Range
5mm Hole
Front Bumper
OE:51161-881-149



5

723176
Drive Type Rivets - Push To Release
Head Dia: 25mm
Stem Dia: 12mm
Fits: 9mm Hole
Shoulder: 3mm
OE:W705956-S300

Picture Not Actual Size



12

724027
Drive Type Rivets
13mm Stem Lgth.; 20mm Flange
Frt. Bmpr./rad. Sup.; 2-6mm PR
8mm Hole
Front Bumper & Radiator
OE:11296-AG000



25

724109
Ergo-Tuflok Drive Rivets
Head Dia: 19mm
Stem Dia: 14mm
Fits: 8.5mm Hole
Fender Apron
OE:11609417



7

724116
Drive Type Rivets
Head Dia: 20mm
Stem Dia: 28mm
Fits: 8mm Hole
Bumper Fascia
OE:11519807,21095797



25

724138
Ergo-Tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 20mm
Fits: 6.5mm Hole
Air In. Grll, Bump Fascia & Fnt Brak Caliper Cool Duct
OE:11589290



12

724139
Ergo-Tuflok Drive Rivets
Head Dia: 20mm
Stem Dia: 22mm
Fits: 8.5mm Hole
Cowl Vent & Fender
OE:11589293,W712196-S300



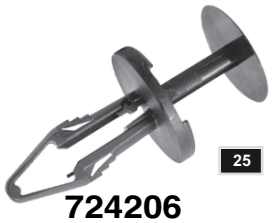
12

724140
Ergo-Tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 20mm
Fits: 9.5mm Hole
Fender, Wheel & Bumper
OE:11561368,6508712AA



25

724205
Ergo-Tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 17.5mm
Fits: 6.5mm Hole
Air Dist. & Windshield Defroster
OE:11589289,6508863AA



25

724206
Ergo-Tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 22mm
Fits: 6.5mm Hole
Air Dam & Grille
OE:11589291,W713331-S300

RIVETS

Illustrations are actual size unless otherwise noted.



724207
Ergo-Tuflok Drive Rivets
Head Dia: 19mm
Stem Dia: 16mm
Fits: 8mm Hole
Fascia & General Purpose
OE:15296830,5116530AA



724208
Ergo-Tuflok Drive Rivets
Head Dia: 20mm
Stem Dia: 20mm
Fits: 8.5mm Hole
Bumper Fascia, Flares & Air Dam
OE:11589292



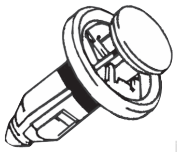
724209
Ergo-Tuflok Drive Rivets
Head Dia: 20mm
Stem Dia: 24mm
Fits: 8.5mm Hole
Bumper Fascia, Fender & Toe/floor Pnl
OE:11589294



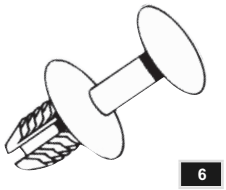
724210
Ergo-Tuflok Drive Rivets
Head Dia: 25mm
Stem Dia: 20mm
Fits: 10.5mm Hole
Fnder, Flare, Gas Tank & Panel Attach.
OE: 5GUU9K11BA, 11589295, W712665-S300



724211
Ergo-Tuflok Drive Rivets
Head Dia: 25mm
Stem Dia: 23mm
Fits: 10.5mm Hole
Panel Attachment & General Purpose
OE:11589296



724511
Bumper Drive Typ. Rivet /metal Insert
Flange Dia: 20mm
Stem Dia: 13mm
Fits: 10mm Hole
Panel Range: 6mm
OE:91505-S9A-003



724517
Hood Insul. Drive Type Rivets
Head Dia: 20mm
Stem Dia: 9.5mm
Fits: 8mm Hole
Panel Range: 5mm
OE:230-990-01-92



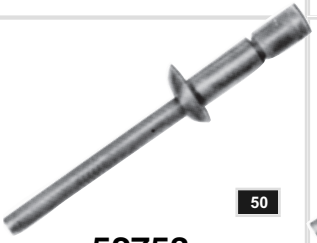
52750
Structural Rivets
Dia.: 3/16
Grip Range: .062 - .270
Body: Aluminum
Mandrel: Aluminum



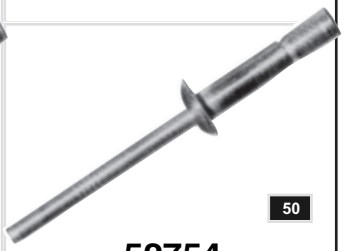
52751
Structural Rivets
Dia.: 3/16
Grip Range: .214 - .420
Body: Aluminum
Mandrel: Aluminum



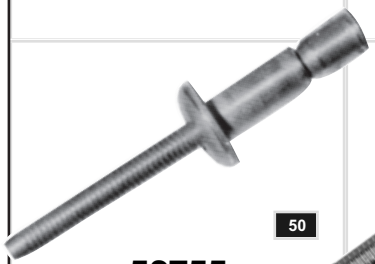
52752
Structural Rivets
Dia.: 1/4
Grip Range: .080 - .375
Body: Aluminum
Mandrel: Aluminum



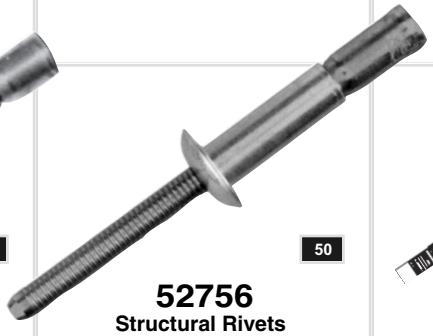
52753
Structural Rivets
Dia.: 3/16
Grip Range: .062 - .270
Body: Steel
Mandrel: Steel



52754
Structural Rivets
Dia.: 3/16
Grip Range: .214 - .420
Body: Steel
Mandrel: Steel



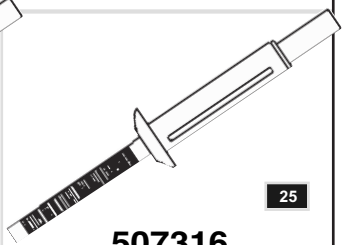
52755
Structural Rivets
Dia.: 1/4
Grip Range: .080 - .375
Body: Steel
Mandrel: Steel



52756
Structural Rivets
Dia.: 1/4
Grip Range: .350 - .625
Body: Steel
Mandrel: Steel



507315
Klamp-Tite Rivets
Dia.: 3/16
Drill Size: No. 5
Grip Range: .050 - .250
Body: Aluminum



507316
Klamp-Tite Rivets
Dia.: 3/16
Drill Size: No. 5
Grip Range: .187 - .375
Body: Aluminum

RIVETS

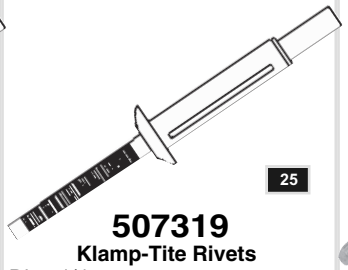
Illustrations are actual size unless otherwise noted.



507317
Klamp-Tite Rivets
Dia.: 3/16
Drill Size: No. 5
Grip Range: .312 - .563
Body: Aluminum



507318
Klamp-Tite Rivets
Dia.: 1/4
Drill Size: 'F'
Grip Range: .060 - .250
Body: Aluminum



507319
Klamp-Tite Rivets
Dia.: 1/4
Drill Size: 'F'
Grip Range: .187 - .375
Body: Aluminum



720501
Peel Type Rivets
3/16 (4.8mm) Rivet
1/2 Flange
Side Door Lock Attachment

OE:W525170-S417



720525
Rivets
5/32 (4mm) Rivet
15/32 (12mm) Flange
Bumper & Wheel Housing
1/8 - 11/32 (3 - 8.5mm) Grip
OE:979878-6



720531
Peel Rivets
1/4 (m6.3) Rivet
Grip Range: 1/8-21/64
3/4 Flange
Door Lock Actuator
OE:N808689-S417



720771
Closed Sealing Rivets
5mm Rivet
9.5mm Flange
Windshield Side Moulding

OE:90084-26001



723019
Peel Type Rivets
1/4 (m6.3) Rivet
Grip Range: .188-.250
1/2 Flange
Window Regulator
OE:9437643



723117
Closed End Type Rivets
4mm (5/32) Rivet
Grip Range: 1.6-6.3mm
7.9mm Flange
Front & Rear Door Window
OE:90084-26002



723128
Moulding Blind Rivets
3.2mm Rivet
Grip Range: 1-4.75mm
8mm Flange
4mm Hole
OE:90269-04053



723182
Blind Rivets
4mm (5/32) Rivet
Grip Range: 1.0-7.5mm (.040
8mm (5/16) Flange
Aluminum Body/mandrel
OE:6034212,10131511,
N807620-S100



723388
Blind Rivets
5/32 Dia.
Grip Range: 0.040 - 0.250
7/16 Flange
Front Bumper Impact Asborber
OE:6036148AA



724012
Rear Bumper Blind Rivets
4mm (5/32) Rivet
Grip Range: 0.187 - 0.472 (5 - 12mm)
0.325 (8.25mm) Flange
Aluminum Body/mandrel
OE:12531204



724186
Closed End Seal Type Blind Rivets
3/16 (5mm) Rivet
Grip Range: .126-.248 (3.2-6.3mm)
3/8 (9.5mm) Flange
Aluminum Body/steel Mandrel



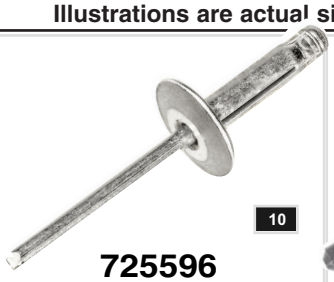
724512
Bumper Blind Rivets
Head Dia: 5/16 (m8)
Dia: 5/32 (m4)
.040 - .275 (1 - 7.5mm) Grip Range
Leg Retention Style
OE:003-990-94-97



725595
Closed End Rivets
Diameter: 1/4
Grip: 1/4-3/8
Flange: 1/2
Alum Rivet/ Steel Mandrel

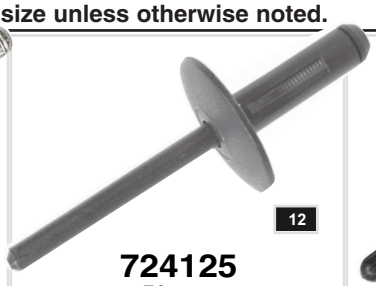
RIVETS

Illustrations are actual size unless otherwise noted.



10

725596
General Purpose Rivets
Diameter: 3/16
Grip: 7/64-3/8
Flange: 5/8
Alum Rivet/



12

724125
Rivets
7/32 (5.6mm) Dia.
7/64-3/16 (2.5-4.8mm) Grip
25/32 (20mm) Flange Dia.
Black Nylon
OE:51-71-7-002-953-2



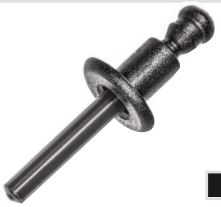
12

724555
Nylon Rivets
Flange Dia: 21/32 (m16.5)
Dia: 1/4 (m6.3)
5/32 - 3/8 (4 - 10mm) Grip Range
Black
OE:15614746



12

724731
Rivets
Diameter: 6mm
Grip: 1mm X 9mm
Flange: 13mm
Black Nylon
OE:51-11-1-942-789



12

724754
Rivets
Diameter: 6mm
Grip: 1 - 6.5mm
Flange: 13mm
Front Bumper
OE:51-11-8-400-709



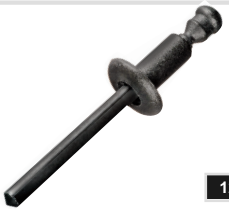
10

724783
Nylon Rivets
Fits: 1/4
Panel Range: 5/32 X 15/64
Flange Dia: 1-3/32
Fender Liner
OE:6508444-AA



12

724907
Rivets
Fits: 4.95mm
Panel Range: 3mm - 6mm
Blind
Black Nylon
OE:11588308



12

725314
Rivets
Diameter: 4mm
Grip: 1.2 - 6.5mm
Flange: 9mm
Black Nylon
OE:6973.A9



12

725350
Rivets
Diameter: 6mm
Grip: 2.0 - 8.5mm
Flange: 13mm
Natural Nylon
OE:N908-131-01



25

817105
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/16-11/64 (1.5-4.5mm)
15/32 (12mm) Head Dia.
Automotive OEM Approved
OE:N804189-S,20423647



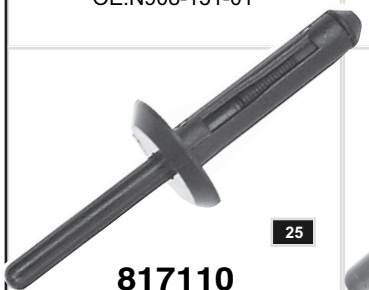
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817106
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/8-15/64 (3-6mm)
15/32 (12mm) Head Dia.
Automotive OEM Approved
OE:6500899,175-853-577,
20432975



25

817107
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/8-3/16 (3-4.75mm)
15/32 (12mm) Head Dia.
Automotive Oem Approved
OE:6500859



25

817110
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:6500911,14063981,
8934-201-631, N803043-S



25

817111
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
1/2 (12.5mm) Head Dia.
Automotive OEM Approved
OE:6501559,20452072,
N803862-S



25

817112
Nylon Blind Rivets
17/64 (6.75mm) Hole Dia.
Grip Range: 3/32-3/16 (2.5-4.75mm)
1/2 (12.5mm) Head Dia.
Automotive OEM Approved
OE:15595172,20421672



25

817113
Nylon Blind Rivets
17/64 (6.75mm) Hole Dia.
Grip Range: 3/32-3/16 (2.5-4.75mm)
23/32 (18mm) Head Dia.
Automotive OEM Approved
OE:20433026,175-853-577A

RIVETS

Illustrations are actual size unless otherwise noted.



25

817114
Nylon Blind Rivets
3.96mm Hole Dia.
Grip Range: 6.0mm -10.5
8.0mm X 15.0mm Head Dia.
Automotive OEM Approved
OE:N804583-S



25

817117
Nylon Blind Rivets
6.3mm Hole Dia.
1/32-5/32 (.5mm - 4.0mm)
16.5mm Head Dia.
Automotive OEM Approved
OE:N804134-S



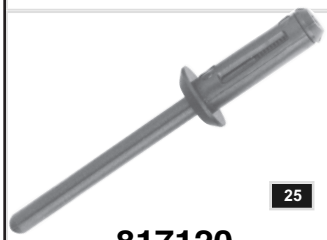
25

817118
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 19/64-27/64 (7.5-11mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:4370138,N804675-S,
N804759-S



25

817119
Nylon Blind Rivets
6.75mm Hole Dia.
Grip Range: 1.0 - 4.0mm Grip Range
20.5mm Head Dia.
Automotive OEM Approved
OE:10069112



25

817120
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/8-5/32 (3-4mm)
11/32 (9mm) Head Dia.
Automotive OEM Approved
OE: 6004212, 20465395



25

817121
Nylon Blind Rivets
3/16 (4.75mm) Hole Dia.
Grip Range: 1/16-11/64 (1.5-4.5mm)
11/32 (9mm) Head Dia.
Automotive OEM Approved
OE:20612732



25

817122
Nylon Blind Rivets
3/16 (4.75mm) Hole Dia.
Grip Range: 1/16-9/64 (1.5-3.5mm)
3/8 (9.5mm) Head Dia.
Automotive OEM Approved
OE:N805132-S



25

817123
Nylon Blind Rivets
15/64 (6mm) Hole Dia.
Grip Range: 11/64-11/32 (4.5-8.5mm)
1/2 (12.5mm) Head Dia.
Automotive OEM Approved
OE:25524005



25

817124
Nylon Blind Rivets
15/64 (6mm) Hole Dia.
Grip Range: 5/32-5/16 (4-8mm)
5/8 (16mm) Head Dia.
Automotive OEM Approved
OE:10036503



25

817128
Nylon Blind Rivets
6.3mm Hole Dia.
Grip Range: 4.0 - 10.0mm
17.0mm Head Dia.
Automotive OEM Approved
OE:N806296-S



25

817129
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:15506827



25

817130
Nylon Blind Rivets
9/32 (7mm) Hole Dia.
Grip Range: 3/32-15/64 (2.5-6mm)
23/32 (18mm) Head Dia.
Automotive OEM Approved
OE:10109689,12337915



100

52612
Special Rivets
Dia.: 1/8
Drill Size: 1/8
Grip Range: 1/16 To 3/16
Body: Aluminum



100

52613
Special Rivets
Dia.: 1/8
Drill Size: 1/8
Grip Range: 1/8 To 1/4
Body: Aluminum



100

52708
Special Rivets
Dia.: 1/8
Drill Size: 1/8
Grip Range: 1/8 To 3/16
Body: Aluminum



25

527101
Special Rivets
Dia.: 1/4
Grip Range: 7/64 To 11/64
1/2 Flange Dia.
Body: Aluminum
OE:20713843

RIVETS

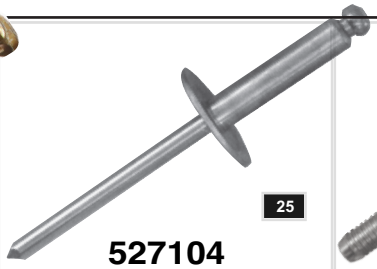
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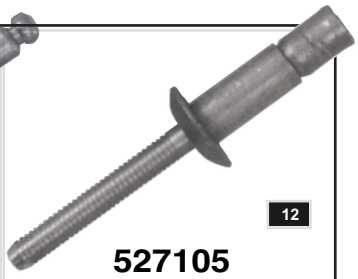
527102
Special Rivets
Dia.: 1/4
Grip Range: 9/64 To 3/16
1/2 Flange Dia.
Body: Aluminum
OE: 6032926, 9437486



527103
Special Rivets
Dia.: 1/4
Grip Range: 3/32 To 1/8
1/2 Flange Dia.
Body: Aluminum
OE:388047-S102



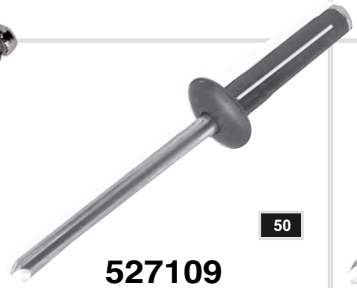
527104
Special Rivets
Dia.: 3/16
Grip Range: 1/2 To 5/8
5/8 Flange Dia.
Body: Aluminum
OE:2085119, 3533539, 3540161



527105
Special Rivets
Dia.: 1/4
Grip Range: 5/64 To 5/16
1/2 Flange Dia.
Body: Aluminum
OE:10157547



527108
Special Rivets
Dia.: 3/16
Grip Range: 1/4 To 3/8
5/8 Flange Dia.
Body: Steel
OE:9439719



527109
Special Rivets
Diameter: 3/16
Grip Range: 5/64 To 15/64
7/16 Flange Dia.
Body: Aluminum
OE:N805592-S100, 25618730



527110
Special Rivets
Dia.: 3/16
Grip Range: 5/64 To 15/64
3/8 Flange Dia.
Body: Aluminum
OE:10125439



527111
Special Rivets
Dia.: 1/8
Grip Range: 1/8 To 3/16
3/8 Flange Dia.
Body: Aluminum
OE:9432552



527112
Special Rivets
Dia.: 3/16
Grip Range: 1/8 To 3/16
3/8 Flange Dia.
Body: Steel
OE:9439576



527113
Special Rivets
Dia.: 3/16
Grip Range: 1/8 To 1/4
3/8 Flange Dia.
Body: Steel
OE:9440392



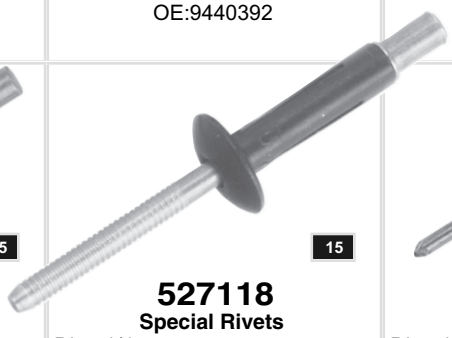
527114
Special Rivets
Dia.: 1/8
Grip Range: 1/8 To 3/16
5/16 Flange Dia.
Body: Aluminum
OE:20325696



527115
Special Rivets
Dia.: 1/8
Grip Range: 1/16 To 1/8
3/8 Flange Dia.
Body: Aluminum
OE:N805759-S100



527117
Special Rivets
Dia.: 5/32
Grip Range: 1/8 To 3/16
5/16 Flange Dia.
Body: Aluminum
OE: 6032138, 9432137



527118
Special Rivets
Dia.: 1/4
Grip Range: 1/16 To 1/4
9/16 Flange Dia.
Body: Aluminum
OE:N804851-S100



52721
Special Rivets
Dia.: 1/8
Drill Size: 1/8
Grip Range: 1/16 To 3/16
Body: Stainless Steel



52727
Special Rivets
1/4 Dia.
Grip Range: 1/32 To 9/64
Window Regulator, Glass
1/2 Flange Dia.
OE: 6031115, 004005791, 385189-S100, 9436175

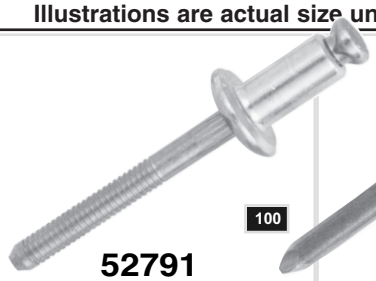
RIVETS

Illustrations are actual size unless otherwise noted.



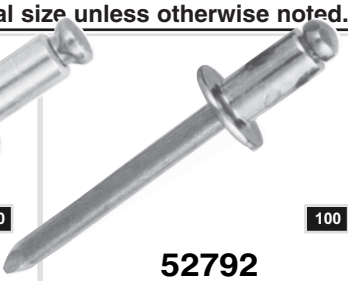
50

52729
Special Rivets
1/4 Dia.
Grip Range: 11/64 To 3/4
Window Regulator, Glass
1/2 Flange Dia.
OE:389268-S100, 12338153, 20184399



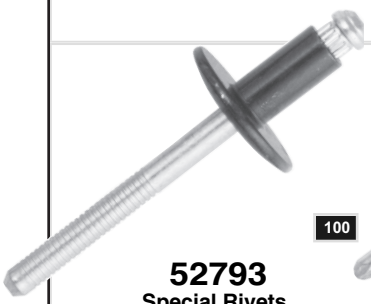
100

52791
Special Rivets
1/4 Dia.
Grip Range: 3/32 To 1/8
Window Regulator, Glass
1/2 Flange Dia.
OE:388047-S100, 14078435



100

52792
Special Rivets
Dia.: 1/4
Grip Range: 1/8 To 1/4
1/2 Flange Dia.
Body: Steel
OE:372820-S36, 372820-S



100

52793
Special Rivets
Dia.: 1/4
Grip Range: 1/8 To 1/4
3/4 Flange Dia.
Body: Steel
OE:388442-S100



100

52794
Special Rivets
Dia.: 3/16
Grip Range: 3/8 To 1/2
9/16 Flange Dia.
Fascia & Bumper
OE:388664-S100



12

724791
Specialty Rivets
Diameter: 1/8
Grip: 1/32 - 3/16
Flange: 1/4
Blk Alum Rivet/ Steel Mandrel
OE:6508540-AA



10

724849
Specialty Rivets
Diameter: 1/4
Grip: 3/16 - 3/8
Flange: 11/16
Bumper Cover Split Type
OE:W705297-S300



10

724850
Specialty Rivets
Diameter: 1/4
Grip: 1/64 - 7/32
Flange: 3/4
Attaches Power Lock Motor/sole
OE:W710079-S300



12

724851
Specialty Rivet
Diameter: 5/32 (4mm)
Grip: 3/64 - 1/8
Flange: 3/8 (9mm)
Black Alum Rivet/steel Mandrel
OE:W713819-S900



10

725141
Specialty Rivets
Diameter: 3.2mm (1/8)
Grip: 1/16 - 1/8
Flange: 9.5mm
Alum Rivet/ Mandrel
OE:90269-03064



10

725206
Specialty Rivets
Diameter: 1/4 (6.3mm)
Grip: 3/16 - 17/64
Flange: 1/2
Steel Rivet/ Mandrel
OE:004-990-16-97



10

725487
Specialty Rivets
Diameter: 1/4 (6.3mm)
Grip: 1/16 - 3/16
Flange: 1/2
Black Alum Rivet/steel Mandrel
OE:90269-A0005



12

725488
Specialty Rivets
Diameter: 5/32 (4mm)
Grip: 3/64 - 3/8
Flange: 15/32
Black Alum Rivet/steel Mandrel
OE:90269-06054



12

720667
Rivets
3/16 Rivet
3/8 Flange Dia.
Door Handle
1/16 - 7/64 Grip Range
OE:22585836,22641917



12

723202
Blind Peel Type Rivets
1/4 (m6.3) Rivet
Grip Range: .126-.250 (3.2-6.3mm)
1/2 (12.7mm) Flange
Door Window Regulator
OE:2024778

RIVETS

Illustrations are actual size unless otherwise noted.



723347
Belt Moulding Blind Rivets
3.2mm (0.126) Rivet
Grip Range: 3.2-4.75mm
9.5mm Flange
8.5mm Length
OE:N808376-S417



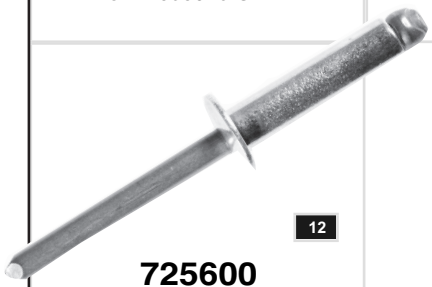
724013
Bumper Blind Rivets
3/16 (4.8mm) Rivet
Grip Range: .251 - .375 (6.4 - 9.5mm)
5/8 (15.9mm) Flange
Steel Body/ Mandrel
OE:9433186



724852
All Steel Specialty Rivets
Diameter: 1/4 (6.3mm)
Grip: .110 - .189
Flange: 1/2 (13mm)
Galvanized Rivet/ Steel Mandrel
OE: W702512-S900C,
W708777-S437

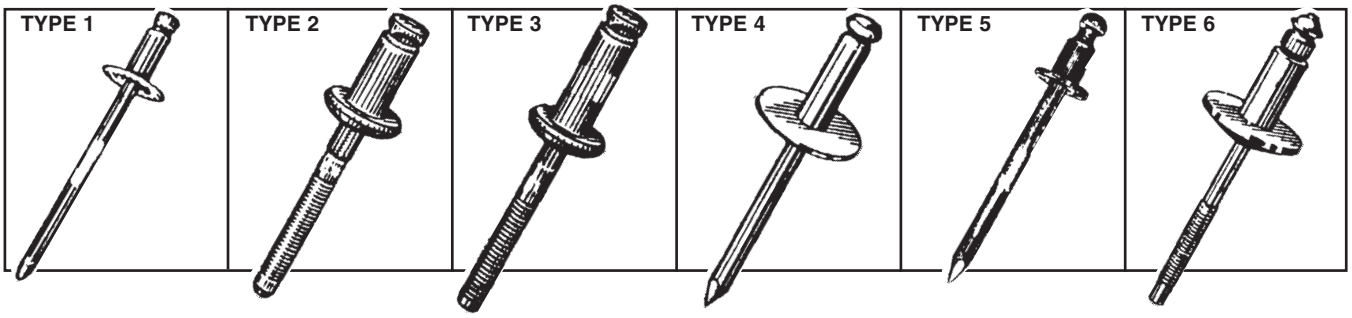


724938
Rivets
Diameter: M4.8 (3/16)
Grip: 1.5 - 6mm
Flange: 9mm
Steel Rivet/ Mandrel



725600
Blind Rivets
1/2 Dia. Dome Head
1/4 Diameter Rivet
Grip: 5/8 - 3/4
Steel Rivet/ Mandrel

RIVETS



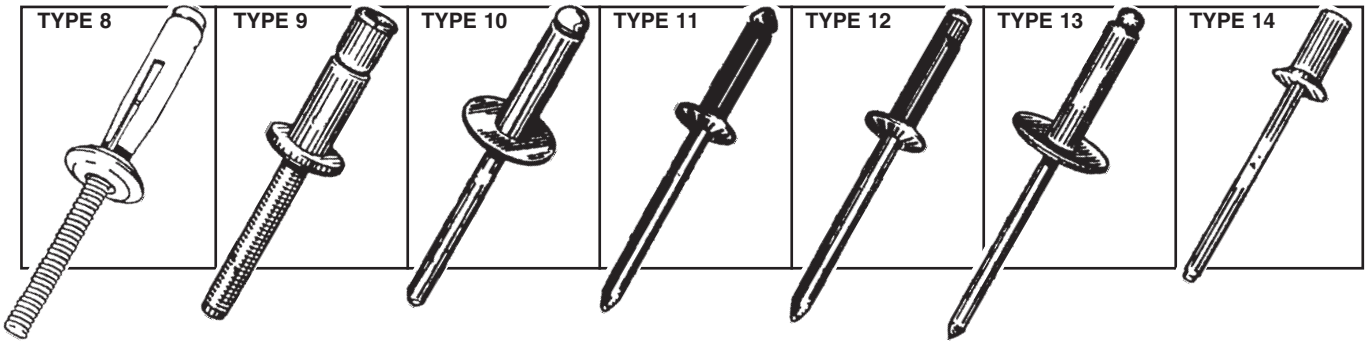
TRIM RIVETS (For actual size illustrations, see individual listing)

RIVET DIA. "A" INCHES	HEAD DIA. "B" INCHES	RIVET LENGTH "C" INCHES	GRIP RANGE INCHES	DRILL SIZE † INCHES	PART NUMBER	TYPE	MATERIALS BODY / MANDREL	O.E.M. NUMBER	APPLICATION	QTY
1/8	3/16	9/32	1/16 to 3/16	No. 30 or 1/8	**52612***	1	Aluminum / Aluminum	Universal	Standard Aluminum Trim Rivet, Applications up to 3/16"	200
1/8	3/16	3/8	1/8 to 1/4	No. 30 or 1/8	**52613***	1	Aluminum / Aluminum	Universal	Long Aluminum Trim Rivet Applications up to 1/4"	200
1/8	3/16	9/32	1/16 to 3/16	No. 30 or 1/8	**52721***	1	Stainless Steel / Stainless Steel	Universal	Stainless Steel Clip Rivet, Stainless version of 52612 for Higher Strength Appl.s	200
1/8	1/4	3/8	1/8 to 3/16	No. 30 or 1/8	**52708**	1	Aluminum / Aluminum	Universal	Aluminum Trim Channel Rivet	200

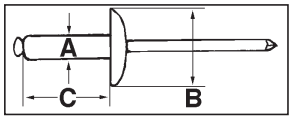
WINDOW, GLASS and DOOR RIVETS (For actual size illustrations, see individual listing)

RIVET DIA. "A" INCHES	HEAD DIA. "B" INCHES	RIVET LENGTH "C" INCHES	GRIP RANGE INCHES	DRILL SIZE † INCHES	PART NUMBER	TYPE	MATERIALS BODY / MANDREL	O.E.M. NUMBER	APPLICATION	QTY
1/4	1/2	1/2	1/32 to 9/64	F or 1/4	**52727***	2	Aluminum / Steel	AMC: 004005791 Chry: 6031115 Ford: 385189-S100 GM: 9436175	Window Regulator Peel Style, '71/on 4 required per car, Cadmium Plated	50
1/4	1/2	15/16	11/64 to 3/4	F or 1/4	**52729***	3	Aluminum / Steel	Ford: 389268-S100 GM: 20184399, 12338153	Window Regulator Peel Style, '79/on Cadmium Plated	50
1/4	1/2	1/2	7/64 to 11/64	F or 1/4	**527101***	2	Aluminum / Steel	GM: 20713843	Window Regulator Door Lock Assemblies, "A" & "J" Models Zinc Finish, Peel Style	25
1/4	1/2	1/2	9/64 to 3/16	F or 1/4	**527102***	2	Aluminum / Steel	Chry: 6032926 GM: 9437486	Window Regulator Quarter Vent Handles and Electrical Lock, '81/on Linkage, Peel Style Chromate Coated	25
1/4	1/2	1/2	3/32 to 1/8	F or 1/4	**52791***	2	Aluminum / Steel	Ford: 388047-S100 GM: 14078435	Outer Door Handle Peel Style, '78/on Ford Gold Chromate Coated Mandrel	100
1/4	1/2	1/2	3/32 to 1/8	F or 1/4	**527103***	2	Aluminum / Steel	Ford: 388047-S102	Outer Door Handle Peel Style, '81/on Black Finish	25
3/16	5/8	3/4	1/2 to 5/8	3/16	**527104**	13	Aluminum / Aluminum	Chry: N/A	Glass Stop Roller Rivet	25
1/4	1/2	9/16	5/64 to 5/16	F or 1/4	**527105***	9	Aluminum / Steel	GM: 10157547	Front Door Regulator GM "APV" Vans Monobolt Style, '90/on Yellow Dichromate Coating	12

RIVETS



BUMPER RIVETS (For actual size illustrations, see individual listing)



Special Notes:
† Recommended size given first, followed by acceptable alternate size.
* Requires Special Nosepiece.

RIVET DIA. "A" INCHES	HEAD DIA. "B" INCHES	RIVET LENGTH "C" INCHES	GRIP RANGE INCHES	DRILL SIZE † INCHES	PART NUMBER	TYPE	MATERIALS BODY / MANDREL	O.E.M. NUMBER	APPLICATION	QTY
3/16	5/8	9/16	1/4 to 3/8	No. 12 or 3/16	**527108***	4	Steel / Steel	GM: 9439719	Fascia, To under-side of Bumper, '81/on, Zinc Mandrel, Black Body	50
1/4	1/2	1/2	1/8 to 1/4	F or 1/4	**52792**	5	Steel / Steel	Ford: 372820-S36, 372820-S40	Front Bumper Assembly, Bobcat, Pinto, '79/on Gold Chromate Coated	100
1/4	3/4	1/2	1/8 to 1/4	F or 1/4	**52793***	6	Steel / Steel	Ford: 388442-S100	Rear Bumper Assembly Zinc Coated Mandrel, '81/on Escort, Lynx Black Body	100
3/16	9/16	11/16	3/8 to 1/2	No. 12 or 3/16	**52794**	10	Aluminum / Aluminum	Ford: 388664-S100	Bumper Fascia, '82/on, Mustang, Capri Black Body	100
1/4	9/16	15/16	1/16 to 1/4	1/4	**527118**	8	Black Aluminum / Aluminum	Ford: N804851-S100	Front Bumper Blind Rivet Ford Taurus, Sable, '96/on Leg Retention Style	15

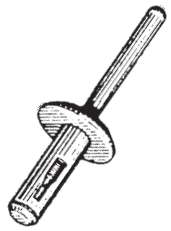
MISC. SPECIAL APPLICATION RIVETS (For actual size illustrations, see individual listing)

RIVET DIA. "A" INCHES	HEAD DIA. "B" INCHES	RIVET LENGTH "C" INCHES	GRIP RANGE INCHES	DRILL SIZE † INCHES	PART NUMBER	TYPE	MATERIALS BODY / MANDREL	O.E.M. NUMBER	APPLICATION	QTY
3/16	7/16	13/16	5/64 to 15/64	No. 12 or 3/16	**527109**	11	Aluminum / Aluminum	Ford: N/A	Lincoln Wheel House Moulding, '89/on, General Purpose Leg Retention Style Black Body	50
3/16	3/8	13/16	5/64 to 15/64	No. 12 or 3/16	**527110**	12	Aluminum / Aluminum	GM: 10125439	Moulding Attachment GM "APV" Vans, '90/on Leg Retention Style Black Body	25
1/8	3/8	3/8	1/8 to 3/16	No. 30 or 1/8	**527111**	1	Aluminum / Steel	GM: 9432552	Multi-Purpose GM Rivet, '78/on	50
3/16	3/8	3/8	1/8 to 3/16	No. 12 or 3/16	**527112**	1	Steel / Steel	GM: 9439576	General Purpose GM Rivet Zinc Finish	50
3/16	3/8	1/2	1/8 to 1/4	No. 12 or 3/16	**527113**	6	Steel / Steel	GM: 9440392	General Purpose GM Rivet Gold Chromate Plating	50
1/8	5/16	5/16	1/8 to 3/16	No. 30 or 1/8	**527114**	1	Aluminum / Steel	GM: 20325696	Attaches Sealer to Rear Window on "X" Body, '81/on	50
1/8	3/8	5/16	1/16 to 1/8	No. 30 or 1/8	**527115**	10	Aluminum / Aluminum	Ford: N805759-S100	Windshield Side Rail, '89/on T-Bird, Cougar Black Finish	50
5/32	5/16	5/16	1/8 to 3/16	No. 22 or 5/32	**527117***	14	Aluminum / Steel	Chry: 6032138 GM: 9432137	Trunk Lock Swivel Emblem Rivet, '73/on Countersunk Head	25

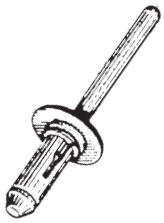
RIVETS

AUTOMOTIVE O.E.M. APPROVED NYLON BLIND RIVETS

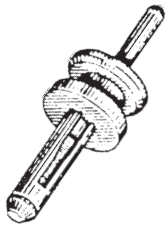
TYPE 1



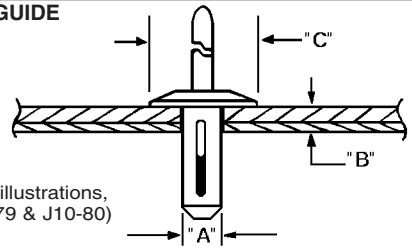
TYPE 2



TYPE 3

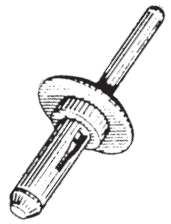


DIMENSION GUIDE

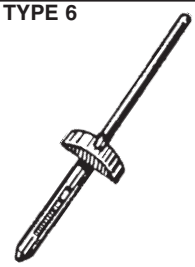


(For actual size illustrations, see pages J10-79 & J10-80)

TYPE 5



TYPE 6



NYLON RIVET INSTALLATION TOOL

Part No. 817104



HOLE DIA. "A" MM INCHES	PANEL RANGE (Grip) "B" MM INCHES	HEAD DIA. (Grip) "C" MM INCHES	PART NO.	TYPE	COLOR	O.E.M. NUMBER	QTY
3.96 5/32	6.0 to 10.5 15/64 to 13/32	8.0 x 15.0 5/16 x 19/32	**817114**	6	Black	Ford: N804583-S	25
4.75 3/16	1.5 to 4.5 1/16 to 11/64	9.0 11/32	**817121**	1	Black	GM: 20612732	25
4.75 3/16	1.5 to 3.5 1/16 to 9/64	9.5 3/8	**817122**	1	Black	Ford: N805132-S	25
5.0 13/64	1.5 to 4.5 1/16 to 11/64	12.0 15/32	**817105**	1	Black	Ford: N804189-S, GM: 20423647	25
5.0 13/64	3.0 to 4.0 1/8 to 5/32	9.0 11/32	**817120**	1	Black	Chry: 6004212, GM: 20465395	25
5.0 13/64	3.0 to 6.0 1/8 to 15/64	12.0 15/32	**817106**	1	Black	GM: 20432975, Chry: 6500899, VW: 175-853-577	25
5.0 13/64	3.0 to 4.75 1/8 to 3/16	12.0 15/32	**817107**	1	Black	Chry: 6500859	25
6.0 15/64	4.5 to 8.5 11/64 to 11/32	12.5 1/2	**817123**	1	Black	GM: 25524005	25
6.0 15/64	4.0 to 8.0 5/32 to 5/16	16.0 5/8	**817124**	1	Brown	GM: 10036503	25
6.3 1/4	0.5 to 4.0 1/32 to 5/32	16.5 21/32	**817117**	3	Black	Ford: N804134-S	25
6.3 1/4	4.0 to 10.0 5/32 to 25/64	17.0 43/64	**817128**	5	Black	Ford: N806296-S	25
6.3 1/4	4.0 to 10.5 5/32 to 13/32	16.5 21/32	**817129**	1	White	GM: 15506827	25
6.3 1/4	4.0 to 10.5 5/32 to 13/32	12.5 1/2	**817111**	1	Black	Chry: 6501559, Ford: N803862-S, GM: 20452072	25
6.3 1/4	4.0 to 10.5 5/32 to 13/32	16.5 21/32	**817110**	1	Black	Ford: N803043-S, GM: 14063981 AMC: 8934-201-631, Chry: 6500911	25
6.3 1/4	7.5 to 11.0 19/64 to 27/64	16.5 21/32	**817118**	1	Black	Chry: 4370138, Ford: N804675-S, N804759-S	25
6.75 17/64	1.0 to 4.0 3/64 to 5/32	20.5 13/16	**817119**	5	Black	GM: 10069112	25
6.75 17/64	2.5 to 4.75 3/32 to 3/16	12.5 1/2	**817112**	1	Black	GM: 15595172, 20421672	25
6.75 17/64	2.5 to 4.75 3/32 to 3/16	18.0 23/32	**817113**	1	Black	GM: 20433026, VW: 175-853-577A	25
7.0 9/32	2.5 to 6.0 3/32 to 15/64	18.0 23/32	**817130**	1	Black	GM: 10109689, 12337915	25

RIVET TOOLS

HEAVY DUTY RIVETER

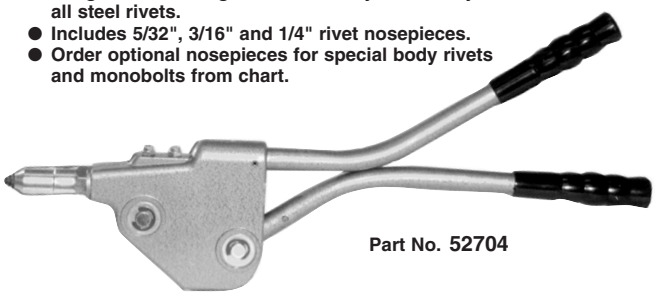
Sets 1/4", 3/16" (Stainless Steel) and all special body shop rivets.

- Extra nosepieces are conveniently stored in holes on tool body.
- Heavy duty tool features steel threads and light weight aluminum body.
- Sets 1/8" through 1/4" rivets including special door, window regulator and glass stop rivets.
- Long handles and gear reduction system easily set even 1/4" all steel rivets.
- Includes 5/32", 3/16" and 1/4" rivet nosepieces.
- Order optional nosepieces for special body rivets and monobolts from chart.

JAWS - 1-SET
Part No. 52611

NOSEPIECES

PART NUMBER	SIZE (INCHES)
52607	1/8
52608	5/32
52609	3/16
52610	1/4



Part No. 52704

DYNALLOY DOUBLE ENDED COUNTERSINK DRILL



PART NUMBER	DRILL SIZE	DEC. EQUIV. INCHES	SHANK SIZE	OVERALL LENGTH
813630	1/8	.125	5/16	2-1/8

DYNALLOY TWIST DRILLS DOUBLE-END STRAIGHT SHANK



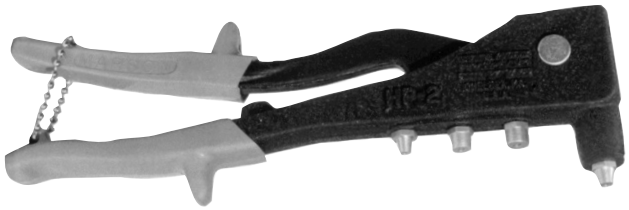
Self-centering split-point.

PART NUMBER	DRILL SIZE	DEC. EQUIV. INCHES	OVERALL LENGTH
*813625	1/8	.1250	2
*813626	3/16	.1875	2-3/16
813627	30	.1285	2
813628	20	.1610	2-1/8
813629	11	.1910	2-1/4

*Ideal sizes for Automotive and Body Shops

INDUSTRIAL RIVET GUN

- The most advanced industrial hand riveter.
- Contains four nosepieces for 3/32", 1/8", 5/32" and 3/16" diameter rivets.



NOSEPIECES

PART NUMBER	SIZE (INCHES)
52602	3/32
52603	1/8
52604	5/32
52605	3/16

Part No. 52601

JAWS - 1-SET
Part No. 52606

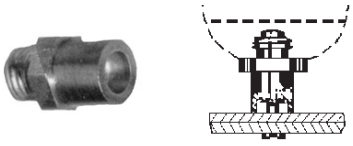
WILL NOT SET 3/16" STAINLESS RIVETS

RIVET TOOLS

SPECIAL MANDRELS (NOSEPIECES)

Required to install certain trim, door, window regulator and glass stop rivets; monobolt structural rivets.

SPECIAL RIVET TYPE	SPECIAL RIVET PIN	RIVET GUN APPLICATIONS	SPECIAL MANDREL PART NUMBER
Trim Rivets	52612	Snapo-Model 404 B (4001)	52718
	52613		
	52721	Part No. 52601 (5/16"-24 Thread) Marson-HP-2 (39000) Snapo-Model 202 B (4003)	52719
Window Regulator, Glass Stop, And Door Split Rivets	52727 52729 52791	Part No. 52704 Marson-HP-5 Big Daddy (39010) Snapo-04024 Richline-04012 (model HN-80)	52797
Monobolt 3/16	52750 52751 52753 52754	Part No. 52704 Marson-HP-5 Big Daddy (39010) Snapo-04024 Richline-04012 (model HN-80)	52798 52798 52798 52798
Monobolt 1/4	52752 52755 52756		52799 52799 52799
Klamp-Tite Rivet 3/16	507315 507316 507317		507311 507311 507311
Klamp-Tite Rivet 1/4	507318 507319		507312 507312



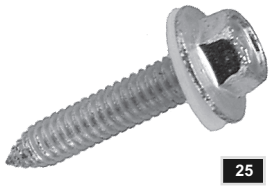






SCREWS

Illustrations are actual size unless otherwise noted.



25

717034
Truck Mirror Mounting Screws
1/4-20 X 1
Outside Mirror
5/8 Washer OD
3/8 Hex
OE:367291



50

505823
Sheet Metal Screws
No. 14 X 3/4
Slotted Hex Washer Head



25

716175
Sheet Metal Screws
No. 6 X 5/8
Phillips Oval Head
Black Oxide



25

716176
Sheet Metal Screws
No. 6 X 3/4
Phillips Oval Head
Black Oxide



25

716177
Sheet Metal Screws
No. 6 X 1
Phillips Oval Head
Black Oxide



25

716178
Sheet Metal Screws
No. 6 X 1-1/4
Phillips Oval Head
Black Oxide



25

716179
Sheet Metal Screws
No. 8 X 1/2
Phillips Oval Head
Black Oxide



25

716180
Sheet Metal Screws
No. 8 X 1
Phillips Oval Head
Black Oxide



25

716181
Sheet Metal Screws
No. 8 X 1-1/4
Phillips Oval Head
Black Oxide



25

716182
Sheet Metal Screws
No. 8 X 1-1/2
Phillips Oval Head
Black Oxide



25

716184
Sheet Metal Screws
No. 10 X 3/4
Phillips Oval Head
Black Oxide



25

716185
Sheet Metal Screws
No. 10 X 1
Phillips Oval Head
Black Oxide



25

716186
Sheet Metal Screws
No. 10 X 1-1/2
Phillips Oval Head
Black Oxide



25

716187
Sheet Metal Screws
No. 10 X 2
Phillips Oval Head



50

718849
Sheet Metal Tapping Screws
8-18 X 5/8
Indented Hex Large Round



25

723294
Sheet Metal Screws
4.2mm-1.41 X 20mm
16mm (5/8) Washer OD
No. 8 X 25/32
Phillips Pan Head W/ Sems Washer
OE:N801603-S2

SCREWS

Illustrations are actual size unless otherwise noted.



50

51650
Weld Stud Replacement Screw
#4-24 X 3/8
Phillips Head
Stainless Steel
7/32 Head Dia.



25

724605
Bumper Screws
4.8mm-1.61 X 15mm
14mm Head
Phillips Truss Head
Black Phosphate



12

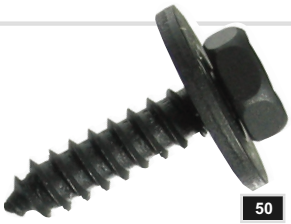
724870
Bumper Fascia Screws
Head Size: 22mm
M9.5 X 46mm Square Drive

Black Nylon
OE:25705182



50

724033
Indented Hex Head Screws
4.8mm-1.61 X 16mm
15mm Washer
8mm A/F
W/ Type AB Point & Sems Washer



50

724034
Indented Hex Head Screws
4.8mm-1.61 X 19mm
15mm Washer
8mm A/F
W/ Type AB Point & Sems Washer



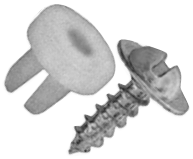
25

405384
License Plate/ Machine Screw
1/4-20 X 3/4
Phillips Truss Head



12

505172
License Plate/ Sheet Metal Screw
No. 14 X 3/4
Slotted Truss Head
9/16 Head Dia.
Zinc



100

702555
License Plate Screws W/ Nuts
No. 10 X 5/8
1/4 Square Hole
Slotted Washer Head
Nylon
OE:3783006



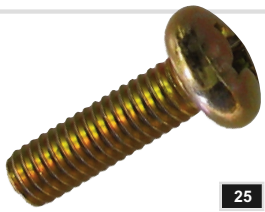
50

702560
License Plate Screws
No. 14 X 3/4
Phillips Truss Head



25

702565
License Plate Bolts
6mm X 27mm
19mm Washer
Indented Hex Head
W/loose washer
OE:N-606676-S53B



25

702566
License Plate Screws
6mm X 20mm
Phillips Washer Head



25

702567
License Plate Screws W/ Nuts
1/4 X 5/8
Nylon Slotted Washer Head
W/ Nylon Nut



25

716633
License Plate Screws
(No. 14) 1/4 X 5/8
5/16 Hex
5/8 Washer Head OD
Slotted Hex Washer Head
OE:N800369



25

718907
License Plate Screws
(No. 14) 1/4 X 5/8
5/16 Hex
5/8 Washer Head OD
Slotted Hex Washer Head
OE:N800369-S2



25

718909
License Plate Screws
6mm X 16mm
12mm Flange
10mm A/F
Indented Hex Phillips Washer

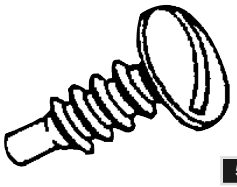


25

718910
License Plate Screws
6mm X 20mm
12mm Flange
Indented Hex Phillips Washer Head
10mm Hex
OE:93904-46320,
91500-SM4-999AH

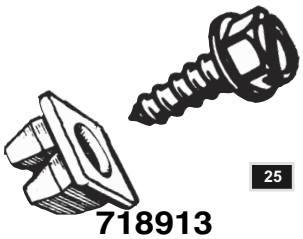
SCREWS

Illustrations are actual size unless otherwise noted.



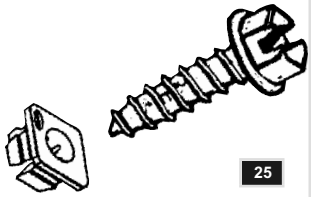
50

718911
License Plate Screws
1/4 X 5/8
Slotted Truss Head



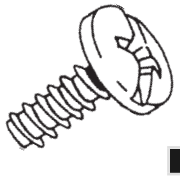
25

718913
License Plate Screws W/ Nuts
No. 14 Nut, 3/8 Sq. Hole
9/32 Flange
No. 14 X 3/4 Screw



25

718914
License Plate Screws W/ Nuts
No. 14 Nut, 3/8 Sq. Hole
5/8 Flange
No. 14 X 3/4 Screw



25

723028
License Plate Screws
1/4-14 X 5/8
Combo Phillips/ Slotted Pan Hd
Type B Point

OE:9423101



50

723306
License Plate Screws
1/4-14 X 5/8
5/8 Washer Dia.
5/16 A/F
Indented Slotted Hex Washer Hd



50

723392
License Plate Screws
6mm-1.00x16
Slotted Pan Head



25

724146
License Plate Screws
6.3mm-1.81 X 20mm
Phillips/slotted Combo Truss Hd
W/ Type AB Point

OE:25732397



50

725593
License Plate Screws
Head Dia: 10mm (25/64)
M6-1.0 X 20mm
Hex Nut: 12mm (15/32)
Phillips Pan Head



25

725594
License Plate Screws/ Nuts
Head Dia: 10mm (25/64)
M6-1.0 X 20mm

Phillips Pan Head



100

532069
Metric Machine Screws
6-1.00 X 25mm
Slotted Pan Head
Din 85
Zinc Plated



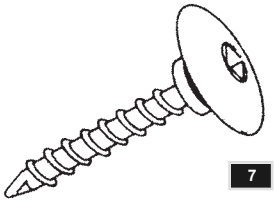
25

724601
Metric Trim Screws
6.3mm-1.81 X 16mm
15mm (19/32) Head
Phillips Truss Head
Black Phosphate



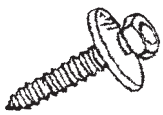
12

725204
Sems Tapping Screws
Head Size: M4.8-1.61 X 20mm
Hex Head Sems
26mm Washer OD
Front Bumper/ Moulding Strip
OE:201-990-05-36



7

720754
Sq. Drive Truss Head Fascia Screws
7.5mm X 34.5mm
22mm Head
Attaches Foam To Bumper
Black Nylon
OE:6503401, 6503819, 25631448



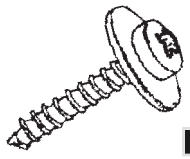
25

718932
Tapping Screws
4.2mm-1.41 X 20mm
20mm Washer
7mm A/F
Indented Hex Head W/ Type AB Point
OE:14090382



25

718933
Tapping Screws
4.2mm-1.41 X 20mm
17mm Washer
6mm A/F
Indented Hex Head W/ Type AB Point



50

718959
Tapping Screws
4.2mm-1.41 X 15mm
12mm Washer
Phillips Pan Hd W/ Type B Point

OE:11503499

SCREWS

Illustrations are actual size unless otherwise noted.



50

723355
Tapping Screws
6.3mm-1.81 X 25mm
10mm A/F
17mm Sems
Indented Hex Head W/ Type AB Point
OE:11500996,11505023



50

723356
Tapping Screws
6.3mm-1.81 X 20mm
10mm A/F
17mm Sems
Indented Hex Head W/ Type AB Point
OE:11505022



50

724527
Tapping Screws
No. 10 X 3/4
13/32 Head
Indented Hex Washer Head
5/16 Af



25

724600
Tapping Screws
4.2mm-1.41 X 20mm
11mm (7/16) Head
Phillips Washer Head
Black Phosphate
OE:11501884



12

724946
Tapping Screws
Head Size: 15mm
M5.5 X 20mm
Torx Truss Head T-20
Black Zinc
OE:13144822



12

725242
Tapping Screws
Screw Size: M6-1.81 X 20mm
13mm Washer OD; 10mm Hex
Phillips Head Sems
Bumper, Exterior Trim
OE:MS452348



25

725244
Tapping Screws
Screw Size: M5-1.59 X 11mm
Head Size: 11mm
Phillips Truss Head
Interior Trim
OE:MF453091



50

725601
Tapping Screws
Screw Size: No. 14 X 3/4
S.S. Phillips Pan Head
License Plate
15/32 Head OD



25

725602
Tapping Screws
Head Size: M5-1.59 X 11mm
12mm Washer Head OD
Phillips Round Washer Head
Black Oxide



50

718942
Thread Cutting Screws
4.2mm-1.41 X 13mm
9mm Flange
7mm A/F
Indented Hex Head W/ Type B Point
OE:11505045



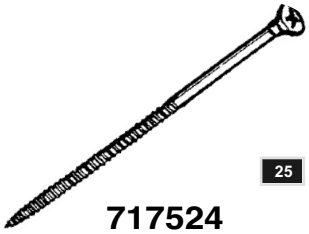
25

702549
Thumb Screws
No. 14 X 1/2
1-1/8 Overall Length
Dealer License Plate



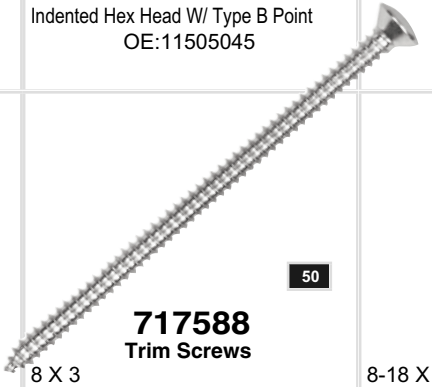
200

717103
Trim Screws
8-18 X 1/2
Quarter Wheel House Moulding
5/16 Washer Head OD
Phillips Washer Head
OE:588546



25

717524
Trim Screws
8 X 5
Phillips Oval Head
Bright Zinc



50

717588
Trim Screws
8 X 3
Phillips Oval Head

OE:9431911



50

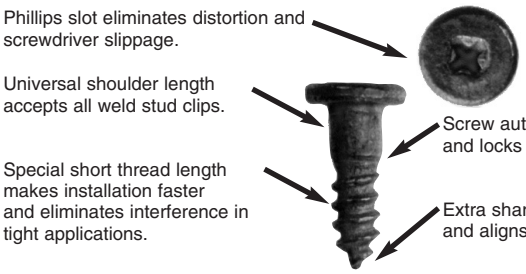
718840
Trim Screws
8-18 X 1
7/16 Head Dia.
Phillips Round Washer Head

OE:4005091

TRIM SCREWS

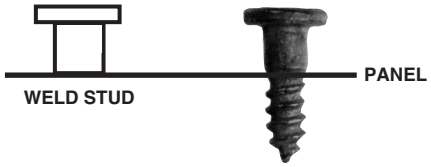
Illustrations are actual size unless otherwise noted.

STAINLESS STEEL WELD STUD REPLACEMENT SCREW



- **Can be as many as 150 weld studs per car.**
- **Stripping and loose retainers are eliminated.**
- **Weld studs are frequently broken due to collision or during repair.**

Part No. 51650 50



PHILLIPS OVAL HEAD TAPPING SCREWS with TYPE "AB" POINT

UNDERSIZED HEAD



HEAD SIZE	PART NUMBER CHROME	QTY	PART NUMBER CHROMATE	QTY	PART NUMBER BLACK	QTY	DIA. & LENGTH
6	**716150**	25	**---**	-	**716168**	25	8 x 1/2
6	**716151**	25	**716160**	25	**717511**	25	8 x 3/4
6	**716152**	25	**---**	25	**717512**	25	8 x 1
6	**---**	-	**---**	-	**717513**	25	8 x 1-1/4
6	**716154**	25	**---**	25	**716169**	25	8 x 1-1/2
8	**716155**	25	**716164**	-	**716171**	25	10 x 3/4
8	**716156**	25	**---**	-	**716172**	25	10 x 1
8	**716157**	25	**---**	-	**---**	-	10 x 1-1/4

STANDARD HEAD



PART NUMBER BLACK	QTY	PART NUMBER CHROME	QTY	DIA. & LENGTH
716175	25	**---**	-	6 x 5/8
716176	25	**717590**	100	6 x 3/4
716177	25	**717591**	100	6 x 1
716178	25	**717592**	100	6 x 1-1/4
716179	25	**---**	-	8 x 1/2
717510	25	**717593**	100	8 x 3/4
716180	25	**717594**	100	8 x 1
716181	25	**717595**	100	8 x 1-1/4
716182	25	**---**	-	8 x 1-1/2
716184	25	**717596**	100	10 x 3/4
716185	25	**717597**	100	10 x 1
716186	25	**---**	-	10 x 1-1/2
716187	25	**---**	-	10 x 2

PHILLIPS OVAL HEAD TAPPING SCREWS with TYPE "AB" POINT

With 3/8" Diameter Round Washer Head



PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	DIA. & LENGTH
716188	25	**716192**	25	8-18 x 1/2
716189	25	**716193**	25	8-18 x 3/4

PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	DIA. & LENGTH
716190	25	**716194**	25	8-18 x 1
---	-	**716195**	25	8-18 x 1-1/4

PHILLIPS ROUND HEAD TAPPING SCREWS with TYPE "AB" POINT

With 1/2" Diameter Round Washer Head



PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	DIA. & LENGTH
716203	25	**716211**	25	8-18 x 1/2
716204	25	**716212**	25	8-18 x 3/4
716205	25	**716213**	25	8-18 x 1
716206	25	**716214**	25	8-18 x 1-1/4

PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	DIA. & LENGTH
716207	25	**716215**	25	10-16 x 3/4
716208	25	**716216**	25	10-16 x 1
716209	25	**716217**	25	10-16 x 1-1/4
716210	25	**716218**	25	10-16 x 1-1/2

PHILLIPS OVAL HEAD TAPPING SCREWS with TYPE "AB" POINT & FLUSHWASHER

HEAD SIZE	PART NUMBER BLACK	QTY	PART NUMBER CHROME	QTY	DIA. & LENGTH
6	**716230**	100	**---**	-	8 x 1/2
6	**716231**	100	**717560**	100	8 x 5/8
6	**716232**	100	**---**	-	8 x 11/16

HEAD SIZE	PART NUMBER BLACK	QTY	PART NUMBER CHROME	QTY	DIA. & LENGTH
6	**---**	-	**717561**	100	8 x 7/8
6	**716233**	100	**---**	-	8 x 1
6	**716234**	100	**---**	-	8 x 1-1/4



- **Type "AB" SEMS®.**
- **Reduced head.**

TRIM SCREWS

PHILLIPS OVAL HEAD TRIM SCREWS with TYPE "AB" POINT & COUNTERSUNK WASHER



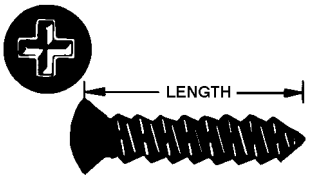
PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	DIA. & LENGTH
717550	25	**717565**	25	6-20 x 3/4
717551	25	**717566**	25	6-20 x 1
716196	25	**716200**	25	8-18 x 5/8
717553	25	**717567**	25	8-18 x 3/4
717554	25	**717568**	25	8-18 x 1
717555	25	**717569**	25	8-18 x 1-1/4

PART NUMBER ZINC	QTY	PART NUMBER BLACK	QTY	DIA. & LENGTH
716197	25	**---**	-	8-18 x 1-1/2
716199	25	**716201**	25	10-16 x 5/8
717556*	25	**717570**	25	10-16 x 3/4
717557*	25	**717571**	25	10-16 x 1
717558*	25	**716202**	25	10-16 x 1-1/4

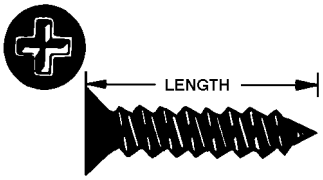
*** w/ No. 8 Head**

BLACK OXIDE TRIM SCREWS

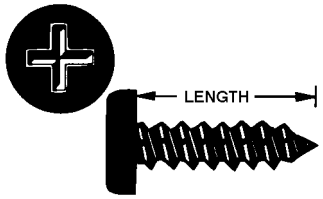
Used on instrument panels and interior trim.



HEAD SIZE	PART NUMBER	QTY	DIA. & LENGTH
8	**717510**	25	8 x 3/4
6	**717511**	25	8 x 3/4
6	**717512**	25	8 x 1
6	**717513**	25	8 x 1-1/4



HEAD SIZE	PART NUMBER	QTY	DIA. & LENGTH
8	**717514**	25	8 x 1-1/4
6	**717515**	25	8 x 1/2
6	**717516**	25	8 x 3/4
6	**717517**	25	8 x 1
6	**717518**	25	8 x 1-1/4



HEAD SIZE	PART NUMBER	QTY	DIA. & LENGTH
8	**717519**	25	8 x 1/2
8	**717520**	25	8 x 3/4
8	**717521**	25	8 x 1

EXTRA LONG TRIM SCREWS

Used on headlamps, parking lights and grilles.



- **Phillips oval head.**
- **Universal applications.**

HEAD SIZE	PART NUMBER BRIGHT ZINC	QTY	PART NUMBER CHROME	QTY	DIA. & LENGTH
6	**717522**	50	**---**	-	8 x 2-5/8
8	**---**	-	**717588**	50	8 x 3
8	**717523**	50	**---**	-	8 x 4
7	**717524**	50	**---**	-	8 x 5

DRILL POINT MOULDING and TRIM SCREWS

ROUND WASHER HEAD



PART NUMBER	QTY	SIZE	LENGTH	HEAD DIA	FINISH	DRIVE
716221*	50	8-18	3/8	7/16	Chrome	Phillips
716220†	50	8-18	7/16	9/32	Chrome	Phillips Pozi
716228	50	8-18	1/2	3/8	Chrome	Phillips
716222†	50	8-18	1/2	11/32	Chrome	Phillips Pozi
716219	50	8-18	1/2	13/32	Black	Phillips
718840	50	8-18	1	7/16	Zinc	Phillips Pozi
716225	50	#10	9/16	7/16	Zinc	Phillips

*** Wheel housing moulding † BiWax sealer**

METRIC ROUND WASHER HEAD



PART NUMBER	QTY	SIZE MM	LENGTH	HEAD DIA	FINISH	DRIVE
718807†	50	3.5	8mm	6mm	Chrome	Phillips Pozi
718809†	25	4.2-1.41	13mm	11mm	Black	Phillips Pozi
716223	50	4.2-1.41	13mm	8mm	Chrome	Phillips Pozi
718812	25	4.2-1.41	16mm	11mm	Chrome	Phillips Pozi
718813	50	4.2-1.41	16mm	11mm	Black	Phillips Pozi
718811	50	4.2-.79	15mm	11mm	Black	Phillips

† BiWax sealer

INDENTED HEX HEAD SCREWS

PART NUMBER	Qty	SIZE	LENGTH	O.D. Washer	Hex	Finish	Type
724994	50	#10	3/4 (19mm)	14mm	5/16	Zinc & Yellow Dichromate	Indented Hex Head SEMS
724527	50	#10	3/4	13/32	5/16	Black	Indented Hex Washer Head
718933	25	M4.2-1.41	20mm	17mm	6mm	Black	AB Point Indented Hex Head
724033	50	M4.8-1.61	16mm	15mm	8mm	Black	AB Point & SEMS Washer
724034	50	M4.8-1.61	19mm	15mm	8mm	Black	AB Point & SEMS Washer
724996	50	M5.5-1.81	18mm	15mm	8mm	Zinc & Yellow Dichromate	Indented Hex Head SEMS
723306	50	1/4-14	5/8	5/8	5/16	Black Zinc	Indented Slotted Hex Washer Head
702565	25	M6-1.0	27mm	19mm	-	White 244 Hr. Salt Spray Test	Indented Hex Head w/Loose Washer
718909	10	M6-1.81	16mm	-	10mm	Zinc & Yellow Dichromate	Indented Hex Phillips Washer
725242	12	M6-1.81	20mm	13mm	10mm	Black	Phillips Head SEMS
724995	25	M6.3-1.81	18mm	22mm	10mm	Zinc & Yellow Dichromate	Indented Hex Head SEMS
723356	50	M6.3-1.81	20mm	17mm	10mm	Black	AB Point Indented Hex Head
723355	50	M6.3-1.81	25mm	17mm	10mm	Black	AB Point Indented Hex Head

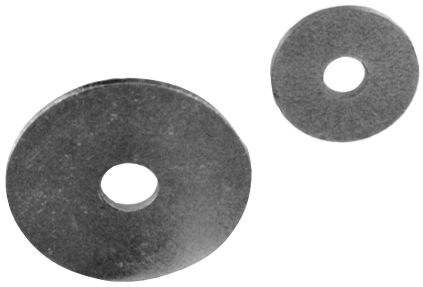
WASHERS

OVERSIZE WASHERS (FENDER WASHERS)

- Designed for applications requiring large bearing surface.
- Universal applications.

BOLT SIZE	THICKNESS 1/16	THICKNESS 1/8	O.D.	QTY
3/16	**716490**	---	1/2	100
3/16	**716491**	---	3/4	100
3/16	---	**716477**	15/16	25
1/4	**717140**	---	5/8	100
1/4	---	**716478**	1	25
1/4	---	**716479**	1-1/8	25
1/4	**717141**	---	1-1/4	100
1/4	---	**716480**	1-1/2	25
5/16	**717142**	---	3/4	100

BOLT SIZE	THICKNESS 1/16	THICKNESS 1/8	O.D.	QTY
5/16	**717143**	**716481**	1-1/4	50
5/16	**716492**	---	1-1/2	50
3/8	**717144**	**716482**	1-1/4	50
3/8	**717145**	---	1-1/2	50
3/8	**716493**	**716483**	1-3/4	25
3/8	**716497**	---	2	25
1/2	**716494**	---	1-1/2	25
1/2	**716495**	**716484**	2	25
-	---	---	-	-



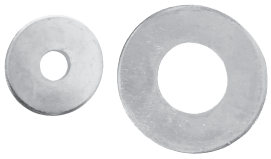
FENDER WASHERS

Protected by **LUSTERPLATE™** against rust & corrosion

- DIN 9021.
- Oversized O.D. approx. 3 times bolt diameter.
- Class 8.8.
- For applications that require a large bearing surface.

BOLT SIZE	PART NUMBER	QTY	I.D. MM	O.D. MM	THICKNESS MM
3mm	**532340**	100	3.2	9	.80
4mm	**532341**	100	4.3	12	1
4mm	**532325**	100	4.3	20	1.25
5mm	**532342**	50	5.3	15	1.6
6mm	**532343**	50	6.4	18	1.6
6mm	**532326**	100	6.6	15	1.6
6mm	**532327**	50	6.4	20	1.25
6mm	**532328**	50	6.6	25	1.75
6mm	**532329**	50	6.4	30	1.25
8mm	**532330**	50	8.4	20	2
8mm	**532331**	50	8.4	24	2
8mm	**532344**	25	8.4	25	2
8mm*	**532332**	50	8.4	30	2
10mm	**532345**	25	10.5	30	2.5
10mm	**532333**	25	10.5	40	1.25
12mm	**532334**	25	12	30	3
12mm	**532346**	25	13	40	3
16mm	**532347**	10	17	50	3
20mm	**532348**	10	21	60	4

***Yellow Zinc Plated**





Part No. 501820
295 pieces • 16 items • 12050 steel tray

532325	**532329**	**532333**	**532342**
532326	**532330**	**532334**	**532343**
532327	**532331**	**532340**	**532344**
532328	**532332**	**532341**	**532345**

Numbers in assortment

NICKEL PLATED FINISHING WASHERS

- Brass nickel plated to prevent corrosion.
- Use on headliners, trim, door panels, etc.

SCREW SIZE	PART NUMBER FLUSH	PART NUMBER COUNTERSUNK	QTY
No. 4	---	**51059**	100
No. 6	---	**51063**	100
No. 8	**51061**	**51064**	100

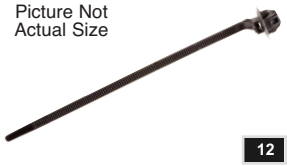
SCREW SIZE	PART NUMBER FLUSH	PART NUMBER COUNTERSUNK	QTY
No. 10	**51062**	**51065**	100
No. 12	---	**51066**	100
No. 14(1/4)	---	**51067**	100



MISCELLANEOUS

Illustrations are actual size unless otherwise noted.

Picture Not Actual Size



12

724772
Cable Ties
Overall Hgt: 174mm (6-15/16)
Max Dia: 40mm (1-9/16)
Strap Width: 5mm (3/16)
Black Nylon

Picture Not Actual Size



12

725010
Cable Ties
Fits: 7mm Hole
5mm Width
Overall Length: 160mm (6-3/8)
36mm Maximum Bundle Dia.



10

725360
Cowl Panel Vent Caps
Top Head: 16mm X 18mm
Bottom Head: 14mm
Stem Length: 12mm
Black Nylon
OE:91486-KJ010

Picture Not Actual Size



1

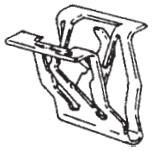
720997
Door Roller Pin Assembly
5-1/2 Length
9/16 Diameter
3/4 Roller OD
5/8 Roller Groove Diameter

Picture Not Actual Size



1

720998
Door Roller Pin Assembly
5-1/16 Length
25/64 Diameter
3/4 Roller OD
5/8 Roller Groove Diameter
OE:15672183



12

723029
Garnish Moulding Fasteners
1/2 X 1/2 X 5/8
Scuff Plate Retainer
Interior Door Opening Trim
Zinc & Yellow
OE:15748479



10

724879
Fasteners
3/16 Width
Overall Length: 15/16
Door, Interior Trim
Instrument Panel
OE:15683327

Picture Not Actual Size



1

724120
Hog Ring Pliers
Straight Nose Spring Grip



500

724118
Hog Rings
14 Gauge
3/8 Opening
.080 Wire Diameter
Medium



500

724119
Hog Rings
13 Gauge
7/8 Opening
.088 Wire Diameter
Large



12

725278
Hole Plugs
Fits: 18mm
Diameter: 25mm

Black Nylon
OE:80874-AX000



100

717241
Snap-in Sheet Metal Plugs
3/8 Hole
3/4 Head Diameter
Fits 14 To 26 Gauge Material
Black Polyethylene



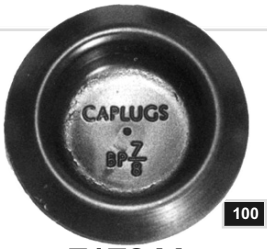
100

717242
Snap-in Sheet Metal Plugs
Fits: 1/2 Hole
7/8 Head Diameter
.02 - .07 Working Thickness
Black Polyethylene



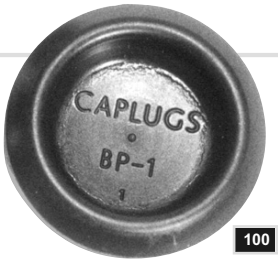
100

717243
Snap-in Sheet Metal Plugs
Fits: 3/4 Hole
1-5/32 Head Diameter
.02 - .14 Working Thickness
Black Polyethylene



100

717244
Snap-in Sheet Metal Plugs
Fits: 7/8 Hole
1-1/4 Head Diameter
.02 - .10 Working Thickness
Black Polyethylene

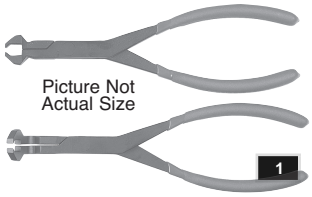


100

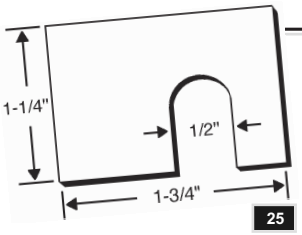
717245
Snap-in Sheet Metal Plugs
Fits: 1” Hole
1-3/8 Head Diameter
.04 - .10 Working Thickness
Black Polyethylene

MISCELLANEOUS

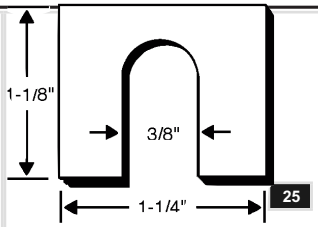
Illustrations are actual size unless otherwise noted.



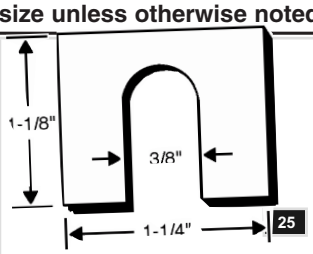
214013
Push Pin Removal Pliers
2-piece Set
Straight Pliers & 75 Deg. Offset



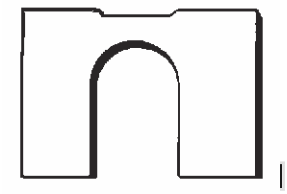
52304
Body Alignment Shims
1/8 Thick
1-3/4 X 1-1/4
1/2 Slot
Zinc



52309
Hood Alignment Shims
1/16 Thick
1-1/4 X 1-1/8
3/8 Slot
Zinc



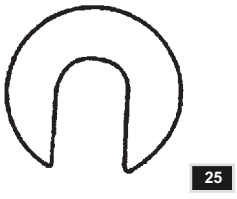
52310
Hood Alignment Shims
1/8 Thick
1-1/8 X 1-3/4
3/8 Slot
Zinc



52311
Body Alignment Shims
1/8 Thick
2” X 1-1/2
3/4 Slot
Zinc



723270
Body Shims
1/16 Thickness
15/16 OD
3/8 Slot
Zinc



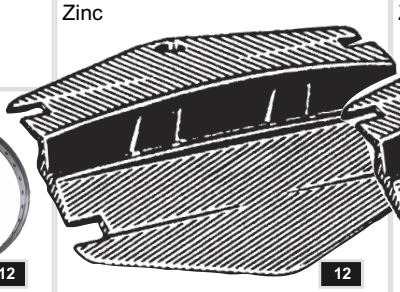
723271
Body Shims
1/8 Thickness
15/16 OD
3/8 Slot
Zinc



725264
Cable Straps
8mm Width
Overall Length: 200mm (8”)
Max. Bundle Diameter: 2-3/16
Black Nylon
OE:24225-89960

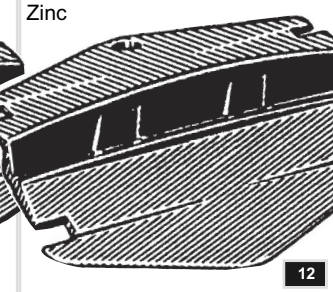


725440
Cable Straps
7mm (7/32) Width
Overall Length: 170mm (6-3/4)
Max. Bundle Dia.: 40mm (1-9/16)
Black Nylon
OE:82711-12200



716101
Window Guides
Front Door

OE:10051034,10114597,12338011,20123070,20328600



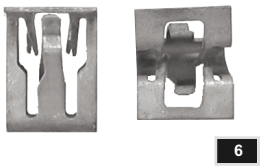
716119
Window Guides W/gaskets
Front Door

OE:10051034,10114597,12338011, 20123070, 20328600



724757
Window Regulator Guides

White Nylon
OE:51-32-1-938-884



724232
Windshield Garnish, Interior Trim Panel
Bezels & Scuff Plate Clips

OE:11588650

AUTOBODY FASTENERS by MANUFACTURER

QUICK REFERENCE SUB-INDEX J10 BODY CLIPS AND SMALL PARTS

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HONDA / ACURA

Illustrations are actual size unless otherwise noted.



12

724710
Weatherstrip Clips
Top Head: 5mm X 15mm
Bottom Head: 9.5mm
Stem Dia: 7mm
Stem Length: 11mm
OE:72311-S5S-003



12

724711
Weatherstrip Clips
Head Size: 5mm X 15mm
Bottom Head: 6.5mm
Stem Dia: 8.5mm
White Nylon
OE:91563-SCV-003



12

724712
Weatherstrip Clip
Top Head: 5mm X 15mm
Bottom Head: 7.5mm
Stem Dia: 6.5mm
Stem Length: 7mm
OE:90651-TP8-003, 91568-TR0-003



12

720536
Rr Hood Cowl Wtherstrip Clip
Bottom Head Dia: 8mm X 18mm
Top Head Dia: 7mm
Stem Dia: 15mm
Black Nylon
OE:91515-SR3-000



12

720760
Hood Insulation Retaining Clip
Bottom Head Dia: 10mm
Top Head Dia: 7.5mm
Stem Dia: 10mm
Black Nylon
OE:91520-SM4-C01



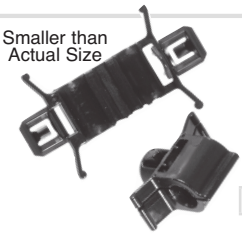
5

724147
Body Side Moulding Clips
12mm Stem Length
6.5 & 13 X 18mm Head Size
White Nylon
OE:75305-S0A-003



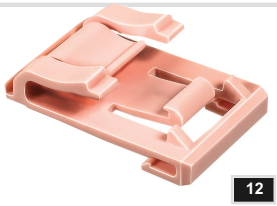
10

724263
Cowl Top Retaining Clips
Bottom Head Dia: 14mm
Top Head Dia: 8mm
Stem Dia: 15mm
Black Nylon
OE:91501-SM4-003



12

724700
CABLE CLIPS
Fits: 7mm
Overall Hgt: 17mm Closed
Max Cable Dia. 5mm
Black Nylon
OE:91558-SE3-003



12

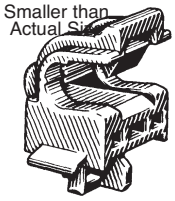
724970
Belt Moulding Clips
20mm Width
Overall Length: 29mm

Pink Nylon
OE:91503-T2A-A01



12

724971
Hood / Cowl Clips
Top Head: 12mm
Bottom Head: 16mm
Stem Dia: 4mm
Stem Length: 6.5mm
OE:90602-S2A-003



6

717646
Hood Prop Rod Clips
8mm Rod Dia.

Nylon

OE:90677-SE0-003



50

717222
Moulding Clips
Upper & Lower Windshield
1967-on Gm

OE: 7698976, 8763591



12

724702
Moulding Clips W/ Sealer
Top Head: 9mm X 12mm
Bottom Head: 13mm
Stem Dia: 7.5mm
Stem Length: 9mm
OE: 91512-SJ6-J01



12

724703
Moulding Clips W/ Sealer
Top Head: 12mm X 17mm
Bottom Head: 16mm X 17mm
Stem Dia: 13mm
Stem Length: 12mm
OE: 91512-S50-003



12

724704
Moulding Clips W/ Sealer
Top Head: 12.5mm X 14mm
Bottom Head: 14mm
Stem Dia: 7mm
Stem Length: 8mm
OE: 76222-SP1-003



12

724705
Moulding Clips
Fits: 10mm
Head Size: 14mm X 16mm
Stem Length: 12mm
White Nylon
OE: 75316-S9A-004

HONDA / ACURA

Illustrations are actual size unless otherwise noted.



12

724706
Moulding Clips
Top Head: 5mm X 11mm
Bottom Head: 8mm
Stem Dia: 6mm
Stem Length: 7mm
OE: 91530-S0A-003



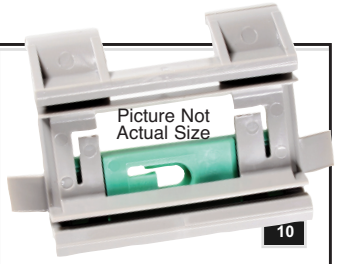
10

724972
Moulding Clips
Top Head: 7.5mm X 10mm
Bottom Head: 9.5mm
Overall Hgt: 16mm
White Nylon
OE:75306-SZA-A01



12

724973
Moulding Clips
Head Size: 13mm X 15mm
Stem Length: 15mm
Fender Trim
White Nylon
OE:75305-SM4-A01



10

724974
Moulding Clips
Tan & Green Nylon
OE:91519-SCV-A01



12

724975
Moulding Clips
Top Head: 8mm X 10.5mm
Bottom Head: 11mm X 16mm
Overall Hgt: 14.6mm
White Nylon
OE:72431-S2X-003



10

724976
Moulding Clips
Overall Length: 14mm
Overall Hgt: 13mm
13mm Width
Front & Side Door Exterior
OE:75305-SHJ-003



5

724977
Moulding Clips W/ Adhesive
Overall Length: 82mm
8mm Width
Windshield Moulding
Blue Nylon
OE:91570-SZA-305



10

724978
Moulding Clips W/ Sealer
Top Head: 11mm X 13mm
Bottom Head: 15.5mm X 19mm
Stem Dia: 12mm
Stem Length: 19mm
OE:91503-S3Y-003



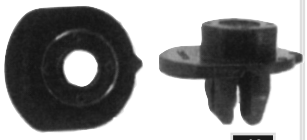
10

724979
Moulding Clips W/ Sealer
Top Head: 13mm X 17mm
Bottom Head: 19mm X 22mm
Stem Length: 15mm
White Nylon
OE:71591-S5A-000



10

724980
Moulding Clips
Head Size: 19mm
Top Head: 19mm X 24mm
Stem Length: 15mm
Overall Length: 40mm
OE:91578-T0A-003



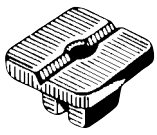
10

720982
Bumper Grommets
No. 10 Screw
Acura 2.2 & 2.3cl,2.5 & 3.2tl,3.5rl
Honda Accord & Prelude
Black Nylon
OE: 90107-SX0-003



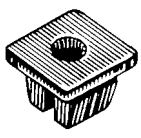
10

716790
Screw Grommets
13mm W, 13mm L
Fits: 8.5mm Square Hole
5mm Screw
Natural Nylon
OE: 75521-611-0000, 90189-06010, 96706-P0105, 9991-00-601



10

716794
Screw Grommets
17mm W, 17mm L
Fits: 8mm X 8.5mm Hole
5mm Screw
Natural Nylon
OE:90662-671-0030, 68425-H5000,9991-00-503



10

716798
Screw Grommets
13mm W, 15mm L
Fits: 8.5mm X 10.5mm Hole
6mm Screw
Natural Nylon
OE:90656-671-6310M1



5

716852
Screw Grommets W/ Sealer
12mm Stem
15mm W, 15mm L
Fits: 7mm Square Hole
3mm Screw
OE:90675-SA6-0030

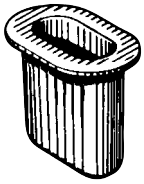


10

716855
Screw Grommets
10mm Stem
14mm Head Dia.
Fits: 7mm Square Hole
3mm Screw
OE:90662-693-003, 90189-04066

HONDA / ACURA

Illustrations are actual size unless otherwise noted.



10

716856
Screw Grommets
17mm Stem
12mm W, 19mm L
Fits: 8 X 15mm Hole
5mm Screw
OE:90683-693-0000, 78856-R4301



10

716857
Screw Grommets
17mm Stem
16mm Head Dia.
Fits: 8mm Square Hole
4mm Screw
OE: 90661-SC7-003,01651-00481, 74798-S9000,90189-06042, H001-50-841,MS-480012



10

716858
Screw Grommets W/ Sealer
10mm Stem
11mm W, 14mm L
Fits: 7 X 10mm Hole
3mm Screw
OE:90668-688-0030



10

716870
Screw Grommets
9.5mm W, 9.5mm L
Fits: 6mm Square Hole
4mm Screw
White Nylon
OE:34301-692A-0000



25

717611
Screw Grommets
9.5mm W; 9.5mm L
Fits: 7mm Square Hole
4mm Screw
White Nylon
OE: 75522-611-0000, 97606-B0700, 9991-00-412, MS-480001



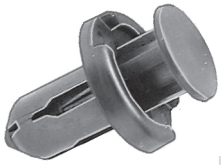
12

724709
Screw Grommets
Screw Size: M4.8 (no. 10)
Head Size: 16mm X 16mm
Stem Dia: 7mm
Stem Length: 7mm
OE:90107-S0X-A01



12

724981
Nylon Nuts
Fits: 8mm X 8mm Hole
Head Size: 16mm
Stem Length: 7mm
Natural Nylon
OE:91603-SL0-000



7

720619
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 18mm
Fits: 10mm Hole
Front & Rear Bumper
OE:91503-SZ5-003



7

720620
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 13mm
Fits: 10mm Hole
Black Nylon
OE:91503-SZ3-003



7

720767
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 10mm
Fits: 8mm Hole
Front Fender
OE:91501-S04-003



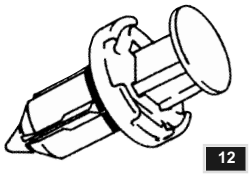
12

720901
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 11mm
Fits: 8mm Hole
Front Fender & Bumper Support
OE: 91512-SX0-003, MU000319



5

723091
Drive Type Retainers
Head Dia: 11mm
Stem Dia: 10mm
Fits:8mm Hole
Front Bumper Cover
OE:90657-SB0-003



12

723208
Drive Type Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 9mm Hole
Fender & Bumper
OE:MR200300



7

723374
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 14mm
Fits: 10mm Hole
Grille Mounting
OE:91503-S0K-A01



10

724250
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 8mm
Fits: 8mm Hole
Black Nylon
OE: 91545-SE0-003, 63848-01G00-A

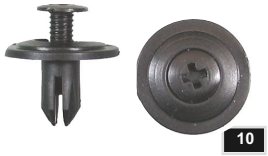


15

718711
Screw Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 11mm
Fits: 6mm Hole
Black Nylon
OE: 90684-SA5-003, 10998-30880, 894-298-1190

HONDA / ACURA

Illustrations are actual size unless otherwise noted.



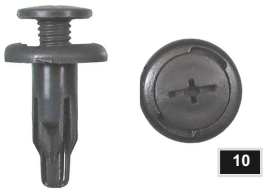
718712
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 11mm
Fits: 6mm Hole
Black Nylon
OE:90668-SB0-003



718720
Screw Type Rivet Retainers
Head Dia: 14mm
Stem Dia: 11mm
Fits:7mm Hole
Black Nylon
OE: 90657-SA6-0030, 94198687, 90467-06017-20, N304-13-356-A



718722
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Black Nylon
OE:90675-SB3-003, 63876-95596, FB01-56-964



724251
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 21mm
Fits: 8mm Hole
Black Nylon
OE:90505-SM4-003



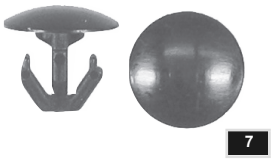
724252
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 27mm
Fits: 10mm Hole
Black Nylon
OE:91502-SM4-000



724255
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Fender Splash Shield
OE:91512-SM4-003



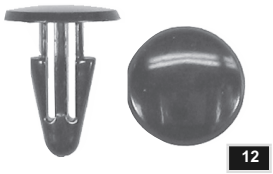
724262
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 6mm Hole
Cowl
OE:91524-SE0-003



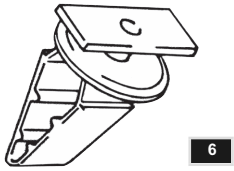
720762
Hood Seal Retainers
Bottom Head Dia: 12mm
Top Head Dia: 8.5mm
Stem Dia: 9mm
Black Nylon
OE: 91518-SM4-003



721016
Hood Seal Retaining Clips
Bottom Head Dia: 11mm
Top Head Dia: 7mm
Stem Dia: 8mm
Black Nylon
OE:91518-S10-003



724261
Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7.5mm
Stem Dia: 15mm
Black Nylon
OE:90687-SA5-0030



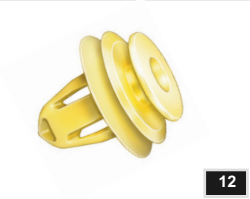
724520
Cowl Vent Retainers
Head Dia: 10 X 14mm
Overall Length: 18.5mm
Fits:7mm Hole
Trim Thickness: 2.8mm
OE:90602-SLJ-003, 90603-SLJ-003



724708
Retainers
Top Head: 10mm X 14mm
Bottom Head: 16mm
Stem Dia: 8mm
Stem Length: 13mm
OE: 90602-TA0-003



724987
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 11mm
OE:91560-SZW-003



724988
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 12mm
OE:91560-SZW-J01



724019
Door Trim Pnl Retainer / Sealer
Bottom Head Dia: 16mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 15mm
OE:91560-SM4-003



724991
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 11mm
OE:91560-S7A-003

HONDA / ACURA

Illustrations are actual size unless otherwise noted.



724992
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 11mm
OE:91560-S0X-A01



724260
Hood Insulation Retainers
Bottom Head Dia: 30mm
Top Head Dia: 15mm X 18mm
Stem Dia: 10mm
Black Nylon
OE: 90700-SJ4-000



724986
Retainers
Bottom Head Dia: 10mm
Top Head Dia: 5.5mm
Stem Dia: 7mm
Black Nylon
OE:91567-S3M-000



724989
Trunk Lid & Interior Trim Retainers
Bottom Head Dia: 18mm
Top Head Dia: 7mm X 7mm
Stem Dia: 13mm
Black Nylon
OE:90671-S0D-003ZK



724990
Hood Insulation Retainers
Bottom Head Dia: 30mm
Top Head Dia: 15mm X 21mm
Stem Dia: 14mm
Black Nylon
OE:91501-SWA-003



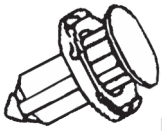
720507
Push Type Retainers
Head Dia: 15mm
Stem Dia: 13mm
Fits: 6mm Hole
Front Fender Skirt
OE:90683-SA5-003



720549
Push Type Retainers
Head Dia: 18mm
Stem Dia: 15mm
Fits: 8mm Hole
Garnish Side Protector
OE:90505-SX0-003



721032
Push Type Retainers
Head Dia: 17mm
Stem Dia: 16mm
Fits: 7mm X 7mm Hole
Tailgate Lining
OE:91570-SK7-003ZF



723095
Push Type Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 9mm Hole
Fender & Bumper
OE: MR200300



724264
Push Type Retainers
Head Dia: 18mm
Stem Dia: 14mm
Fits: 8mm Hole
Cowl Panel
OE:91508-SM4-003



724604
Push Type Retainers
Head Dia: 20mm
Stem Dia: 13mm
Fits: 10mm Hole
Front Bumper
OE:91505-S9A-003



724707
Push Type Retainers
Fits: 10mm Hole
Head Size: 20mm
Stem Dia: 8mm Hole
Stem Length: 14mm
OE: 91505-TM8-003



724982
Push Type Retainers
Head Dia: 20mm
Stem Dia: 11mm
Fits: 10mm Hole
Black Nylon
OE:91503-S7A-003



724983
Push Type Retainers
Head Dia: 20mm
Stem Dia: 13mm
Fits: 10mm Hole
Black Nylon
OE:91503-SHJ-A01



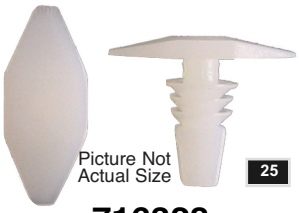
724984
Push Type Retainers
Head Dia: 20mm
Stem Dia: 10mm
Fits: 8mm Hole
Black Nylon
OE:91501-TR0-003



724985
Push Type Retainers
Head Dia: 16mm
Stem Dia: 14mm
Fits: 7mm Hole
Gray Nylon
OE:91550-S50-000ZK

HONDA / ACURA

Illustrations are actual size unless otherwise noted.



25

716328
Weatherstrip Retainers
Bottom Head Dia: 7mm X 16mm
Top Head Dia: 6mm
Stem Dia: 10mm
White Nylon
OE:80832-6500, 80833-8500, 90664-671-0030

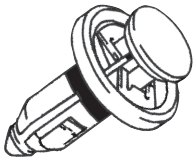


720765
Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 6mm
Stem Dia: 10mm
Red Nylon
OE:91530-SP1-003



5

720766
Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 6mm
Stem Dia: 10mm
Natural Nylon
OE:91530-ST5-003



6

724519
Bumper Drive Typ. Rivet /Metal Insert
Head Dia: 20mm
Stem Dia: 16mm
Fits: 10mm Hole
Panel Range: 8mm
OE: 91506-S9A-003



6

724511
Bumper Drive Typ. Rivet /metal Insert
Flange Dia: 20mm
Stem Dia: 13mm
Fits: 10mm Hole
Panel Range: 6mm
OE:91505-S9A-003



25

718910
License Plate Screws
6mm X 20mm
12mm Flange
Indented Hex Phillips Washer Head
10mm Hex
OE: 91500-SM4-999AH, 93904-46320

BMW / MINI COOPER

Illustrations are actual size unless otherwise noted.



12

724736
Moulding Clips
Stem Length: 10mm
18mm Width; 30.5mm Length
Blue Rubber Boot
White Nylon
OE:51-13-2-251-394



12

724737
Moulding Clips
Stem Length: 11mm
25.5mm Width; 34mm Length
Blue Rubber Boot
White Nylon
OE:51-13-8-166-675



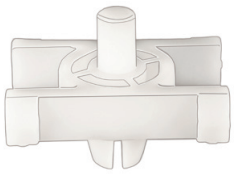
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724738
Moulding Clips
Stem Length: 11mm
22mm Width; 35mm Length
Blue Rubber Boot
White Nylon
OE:51-13-1-960-054



12

724739
Moulding Clips
Stem Length: 10.5mm
20.5mm Width; 35mm Length
Blue Rubber Boot
White Nylon
OE:51-13-8-231-130



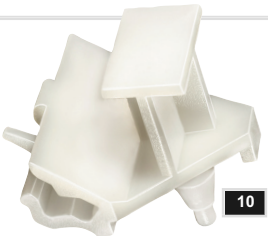
12

724740
Moulding Clips
Stem Length: 6.5mm
21mm Width; 28mm Length
Rocker Panel
White Nylon
OE:51-13-1-829-904,
51-13-6-440-146



12

724741
Moulding Clips
Stem Length: 9.5mm
20.5mm Width; 32mm Length
Door Sill, Whl Housng, Rcker Pnl
White Nylon
OE:51-71-8-184-574



10

724742
Moulding Clips
Overall Hgt: 29mm
30mm Width; 28mm Length
Door Sill & Wheel Housing
White Nylon
OE:51-11-7-160-451



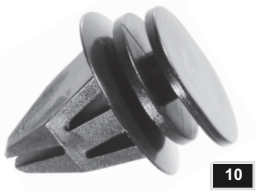
10

725220
Moulding Clips
Fits: 8mm Hole
Top Head: 11.5mm X 19mm
Bottom Head: 21mm
Stem Length: 13mm
OE:07-13-7-073-915



10

725221
Moulding Clips
Top Head: 11mm X 19mm
Bottom Head: 21mm
Stem Length: 11mm
Gray Nylon
OE:07-13-2-757-821



10

725222
Moulding Clips
Top Head: 16mm X 20mm
Middle Head: 18mm
Bottom Head: 23mm
Stem Length: 19mm
OE:07-13-1-480-419



10

725223
Moulding Clips
Top Head: 16mm X 20mm
Middle Head: 18mm
Bottom Head: 23mm
Stem Length: 21mm
OE:51-71-7-127-742



12

724743
Moulding Nuts
Flange: 16mm
Overall Hgt: 11mm
5mm Stud Size; 10mm Hex
Nylon Flange Nut
OE:16-13-1-176-747,
003-990-02-51



10

724732
Grommet / Retainers
Top Head: 12.5mm X 15mm
Bottom Head: 15mm X 17mm
Stem Length: 14mm
Overall Length: 18mm
OE: 51-41-015-44-20, 51-41-700-16-29,
51-45-030-47-03, 51-45-816-52-60



10

724733
Grommet / Retainers
Head Size: 15mm X 17mm
Stem Length: 13mm
Overall Length: 15mm
Clear Nylon
OE:51-45-8-161-557



12

724734
Interior Trim Grommets
Head Size: 17mm X 19mm
Stem Length: 9mm

Red Nylon
OE:51-45-8-266-814



12

724756
Tubular Nuts
Fits: 8.5mm
Head Size: 16mm
Stem Length: 16mm
7mm Stud Size
OE:51-44-7-780-135

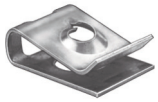
BMW / MINI COOPER

Illustrations are actual size unless otherwise noted.



25

716802
"U" Speed Nuts
2.9mm Screw
6mm Depth
.5 - 1.5mm Panel Range
6mm Center Of Hole To Edge
OE: 0712-9-925-706



25

716804
"U" Speed Nuts
4.2mm Screw
7mm Depth
3 - 4mm Panel Range
7mm Center Of Hole To Edge
OE: 0712-9-925-708,
000-904-24-45



25

716807
"U" Speed Nuts
4.8mm Screw
12mm Depth
.8 - 1.7mm Panel Range
11mm Center Of Hole To Edge
OE:0711-9-916-945,
000-994-14-45



25

716809
"U" Speed Nuts
4.8mm Screw
12.5mm Depth
.5 - 1.7mm Panel Range
7mm Center Of Hole To Edge
OE:0712-9-925-737,
000-994-06-45



25

716810
"U" Speed Nuts
5.6mm Screw
10mm Depth
1.2 - 2.0mm Panel Range
10mm Center Of Hole To Edge
OE:0712-9-925-720



10

724755
Trim Plug Retainers
Head Size: 15mm X 17mm
Stem Length: 7mm
Overall Length: 11mm
Door Lateral Trim Grommet
OE:07-14-9-158-194,
51-41-821-58-06



12

724730
Retainers
Head Size: 18mm
Stem Dia: 9mm
Stem Length: 15mm
Trim Panel & Trunk Lining
OE:51-48-8-181-420



10

724735
Locking Retainers
Head Size: 18.5mm
Stem Length: 21mm
Floor Mat Lock Retainer
With Washer Dia. 20.5mm
OE:51-47-1-881-521,51-47-2-499-935,
51-47-8-116-564, 51-47-8-183-031



12

724750
Retainers W/ Rubber O-ring
Head Size: 25mm
Stem Dia: 9.5mm
Stem Length: 16mm
14mm Shoulder Diameter
OE:51-77-7-171-003



12

724751
Retainers W/ Sealer
Top Head: 14mm
Middle Head: 15.5mm
Bottom Head: 18mm
Stem Dia: 9.5mm
OE:51-41-0-407-984,
51-41-8-224-768



12

724752
Retainers W/ Sealer
Top Head: 12mm
Bottom Head: 18mm
Stem Dia: 9.5mm
Stem Length: 16mm
OE:51-77-7-171-002



12

724753
Retainers
Top Head: 18mm
Bottom Head: 18mm
Stem Dia: 5mm X 8mm
Stem Length: 18mm
OE:51-12-7-004-445,
51-47-1-945-266



10

724744
Push Type Retainers
Head Dia: 15mm
Stem Dia: 15mm
Fits: 6.3mm Hole
Black Nylon



12

724745
Push Type Retainers
Fits: 8.5mm Hole
Head Size: 20mm
Stem Length: 21mm
Rear Bumper
OE:51-12-7-004-445



12

724746
Push Type Retainers
Fits: 6.3mm Hole
Head Size: 10mm
Stem Length: 11mm
Front Bumper, Grille
OE:51-46-7-002-606



12

724747
Push Type Retainers
Fits: 5mm Hole
Head Size: 9mm
Stem Length: 7mm
Trunk Lid Compartment
OE:51-47-8-166-992

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Illustrations are actual size unless otherwise noted.



724748
Push Type Retainers
Fits: 6.3mm Hole
Head Size: 20mm
Stem Length: 16mm
Rocker Panel, Air Duct Comp
OE:51-71-8-259-788



724749
Retainers
Head Size: 20mm
Stem Dia: 7mm
Stem Length: 33mm
Rocker Trim Wheel Housing
OE:07-14-7-122-913



723109
Drive Type Rivets
10mm Flange
3 - 8mm Panel Range
5mm Hole
Front Bumper
OE:51161-881-149



724125
Rivets
7/32 (5.6mm) Dia.
7/64-3/16 (2.5-4.8mm) Grip
25/32 (20mm) Flange Dia.
Black Nylon
OE:51-71-7-002-953-2



724731
Rivets
Diameter: 6mm
Grip: 1mm X 9mm
Flange: 13mm
Black Nylon
OE:51-11-1-942-789



724754
Rivets
Diameter: 6mm
Grip: 1 - 6.5mm
Flange: 13mm
Front Bumper
OE:51-11-8-400-709

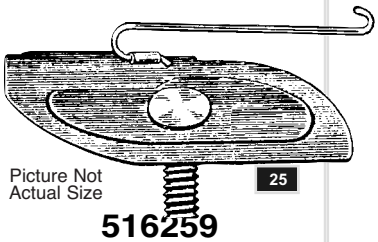


724757
Window Regulator Guides

White Nylon
OE:51-32-1-938-884

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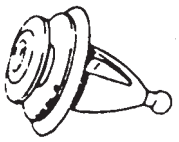
Illustrations are actual size unless otherwise noted.



25

516259
T-bolt Clips
10-24 X 3/4 Bolt
5/8 X 1-7/8 Plate
Gm & Chrysler

OE: 1758099,6000720, 6010046, 3744999



25

720739
Door Trim Panel Clips
14mm Stem Length
Fits: 7mm Hole

Yellow Nylon
OE:6504452



12

724542
Whl Flare Mlding Clip W/Sealer
Top Head: 14mm X 18mm
Bottom Head: 17mm X 21mm
Fits: 9mm Hole
Stem Length: 16mm



10

724778
Moulding Clips
Top Head: 12mm X 23mm
Bottom Head: 18mm
Stem Length: 11mm
White Nylon



10

724779
Moulding Clips
Head Size: 10mm X 20mm
Stem Length: 14mm
Rocker Panel
Black Nylon
OE:4389940-AB



12

724780
Moulding Clips W/ Sealer
Fits: 8mm Hole
Head Size: 12mm X 38mm
Stem Length: 12mm
Inner Fender
OE:55156655-AA



10

724781
Moulding Clips
Flange: 20mm
Stem Dia: 13mm
Stem Length: 12mm
Overall Length: 31mm
OE:68213168-AA



25

724782
Moulding Clips
Head Size: 11.5mm X 21mm
Stem Length: 11mm
Overall Hgt: 17mm
White Nylon
OE:68225214-AA



12

724793
Moulding Clips
Fits: 10mm Hole
Top Head: 14mm X 38mm
Bottom Head: 16mm X 38mm
Stem Length: 14mm
OE:68039280-AA



25

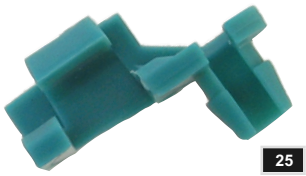
717608
Trim Panel Clips

OE:MB-178894



25

717707
DOOR LATCH LOCKING Push Rod Clip
5/32 Rod Diameter
Right Side
Red Nylon
OE:3454220,4658676



25

717708
DOOR LATCH LOCKING Push Rod Clip
5/32 Rod Diameter
Left Side
Green Nylon
OE:3454221,4658677



6

724546
Door Lock Rod Clips
Fits: 7mm Hole
Right Hand Side
3mm (1/8) Rod Size
White Nylon
OE:124-990-04-92



6

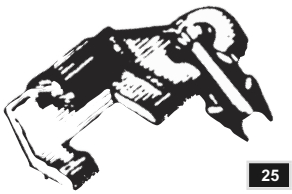
724556
Door Lock Rod Clips
Fits: 7mm Hole
Left Hand Side
3mm (1/8) Rod Size
Blue Nylon
OE:6506807-AA



25

717709
Door Lock Rod End Clips
Right Side

OE:3760130



25

717710
Door Lock Rod End Clips
Left Side

OE:3760131

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Illustrations are actual size unless otherwise noted.



Picture Not Actual Size

1

724776
Hinge Pin & Nut Kit
Tailgate Repair
Greaseable Stainless Steel
Repairs Two Hinges



Picture Not Actual Size

1

724777
Hinge Pin & Nut Kit
Door Hinge Repair
Greaseable Stainless Steel
Repairs Two Hinges



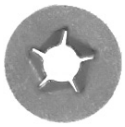
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720297
Metric Hex Nuts
M6-1.0
14mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE:6100047



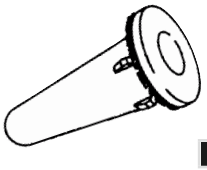
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720299
Metric Hex Nuts
M6-1.0
19mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE:6100049



50

716897
Push Nuts
M6-1.0
17mm OD
Dichromate
OE:6501178



7

723206
Moulding Grommets
15.5mm Flange
21.5mm Overall Length
1.5mm Panel Range
Fits: 9mm Hole
OE:MR478263



12

724773
Door Panel Grommets
Fits: 9mm Hole
Head Size: 19mm
Stem Length: 12mm
Green Nylon
OE:4784018-AA



10

724774
Grommets
Fits: 9mm Hole
Head Size: 15mm
Stem Length: 21mm
Overall Length: 25mm
OE:4806271-AA



6

724552
Spoiler Grommets W/ Sealer
Head Dia: 12 X 16mm
Stem Dia: 14mm
Back Glass Lwr & Quarter Glass
Molding, Black Nylon
OE: MB645307



12

720981
Screw Grommets
10mm Stem
16mm Head Dia.
Fits: 12mm Hole
Tail Light Housing
OE:6504072



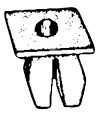
25

717167
Headlamp Bezel Nuts
1/4 Square Hole
No. 8 Or No. 10 Screw
Natural Nylon
OE: 2524525



25

724775
Headlight Nuts
Fits: 10.5 X 11mm
Head Size: 15mm X 15mm
Stem Length: 10mm
M5.5 (No. 12) Screw Size
OE: 6508072-AA



25

717322
Radiator Grille Nuts
1/4 Square Hole
No. 8 Screw
White Nylon
OE: 6000943, 8934-201-263



12

716635
License Plate Nuts
No. 12 Screw
Black Nylon
OE:6032516



50

718899
License Plate Nuts
No. 6 Or 8 Screw
Headlight Bezel
Natural Nylon
OE: 4000141, 380382

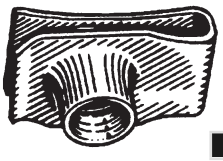


5

720556
License Plate Nuts
Fits: 3/8 Hole
1/4 (No. 14) Screw
Door Lock Remote Control
Natural Nylon
OE:6027958

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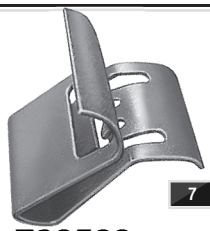
25

717271
Metric Extruded "U" Nuts
M8-1.25 Screw
.80 - 4.00mm (.030 - .160) Panel
14.5mm (9/16) Hole Center To Edge
Phosphate
OE: 6101283,11500660, 11502617, N623333-S2



12

723213
Side Door Trim Panel
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 14mm
OE:6505918AA



7

720523
Grille To Fascia Retainers
Phosphate
OE:4676356



6

724545
Specialty Inserts W/sealer
Thread: M6-1.0
Head Dia: 17mm
Hex: 9.5mm
Grip Range: .7 - 3.17mm
OE:6509106-AA



25

720374
Shield Retainers
Fits: 5/16 (7.8mm) Hole
OE:34202335



25

720381
Shield Retainers
Bottom Head Dia: 5/8
Top Head Dia: 1/4
Stem Dia: 3/4
Fender & Bumper
OE:6501948



25

718427
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 7/8 (22mm)
Fits: 5/16 (8mm) Hole
Shoulder: 1/8(3.2mm)
OE: 6501590, N803421-S



25

718679
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE: 34202672, 20510029, N803362-S



25

718728
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 5/8 (16mm)
Fits: 1/4 (6.4mm) Hole
Cowl Ldge, Wtherstrip & Fnder Liner
OE: 6031390, 387843S, 472434, 480534



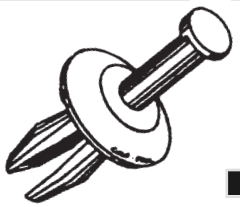
25

718738
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/16 (11mm)
Fits: 9/32 (7.1mm) Hole
Grille
OE:6031383



12

720608
Drive Type Rivet Retainers
Head Dia: 23/32 (18.3mm)
Stem Dia: 29/32 (23mm)
Fits: 5/16 (8mm) Hole
Fascia
OE:6504521



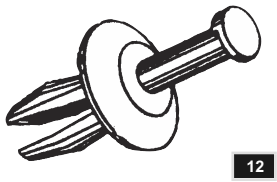
12

720609
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 5/8 (16mm)
Fits: 1/4 (6.4mm) Hole
Front Bumper Fascia
OE:6503454



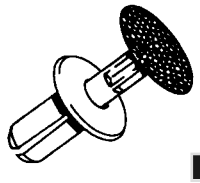
7

720637
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Black Nylon
OE:01553-09321,MR328954



12

723025
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits: 1/4 (6.4mm) Hole
Front Fender Mud Skirt & Fender
OE: 34201621, 6504090,14019205, 14019206, 16514113, 8934-201-621, E3DZ-14A163A



7

723207
Drive Type Retainers
Head Dia: 14mm
Stem Dia: 12mm
Fits: 7mm Hole
Bumper Cover & Garnish
OE:MR478262



25

718716
Screw Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:6502871,N803946-S

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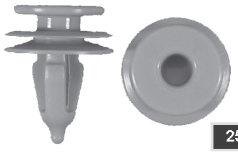
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50

718227
Grille Plate Holddown

OE:6032832



25

720733
Door Trim Panel Retainers
Bottom Head Dia: 23/32
Top Head Dia: 19/32
Stem Dia: 5/16 Hole
Stem Length: 5/8
OE:6503204



12

720741
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm Hole
Stem Length: 15mm
OE:6505292AA, W706812-S300



12

721036
Door Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 8.5mm
Stem Length: 14mm
OE:6505539-AA



12

723212
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:6505759AA, 20003056



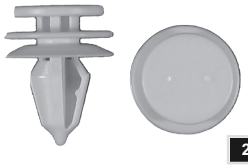
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723231
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:6505759AA, 20003056



12

723336
Door Trim Panel Retainers
Bottom Head Dia: 22mm
Top Head Dia: 16mm
Stem Dia: 9mm
Stem Length: 15mm
OE:5023173AA



25

724005
Door Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 10mm
Stem Length: 15mm
OE:6507055AA, 6507686AA



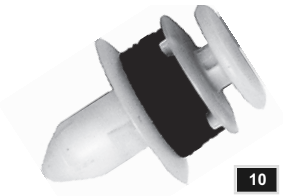
10

724770
Retainers
Head Size: 35mm
Stem Length: 14mm
Overall Hgt: 28mm
Bumper Retainer
OE:68033794-AA



10

724789
Tail Light Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 13mm
OE:68061648-AA



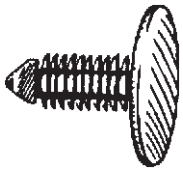
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720933
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 22mm
Top Head Dia: 16mm
Stem Dia: 9mm
Stem Length: 15mm
OE:5023111AA



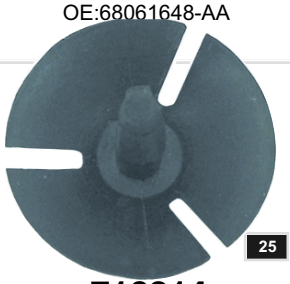
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720961
Door Trim Pnl Retainer / Sealer
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 8mm
Stem Length: 18mm
OE:55350747AB



25

716313
Trim Panel Clips
Bottom Head Dia: 3/4
Top Head Dia: 7/32
Stem Dia: 11/16
Black Nylon
OE:5208743, 4006529



25

716314
Hood Insul. / Fender Shld Retainer
Bottom Head Dia: 1-5/16
Top Head Dia: 3/8
Stem Dia: 3/4
Black Nylon
OE:4341060



25

716319
Shield Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 5/8
Fender & Bumper
OE: 3691590, 6031321, 14093311, 20732399, 332364, 389358, 4004569



100

716323
Front End Stone Shield Retainers
Bottom Head Dia: 7/8
Top Head Dia: 7/16
Stem Dia: 13/16
Black Nylon
OE:6503221,22512276

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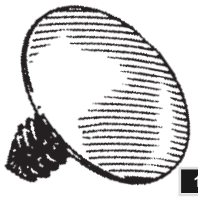
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716333
Retainers
Bottom Head Dia: 3/4
Top Head Dia: 9/32
Stem Dia: 1/2
Black Nylon
OE: 3861577, 20032850, 387258-S



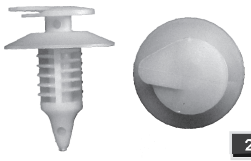
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716349
Fascia To Bumper Retainers
Bottom Head Dia: 1”
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE:389443-S



15

716350
Door Frame Spacer Retainers
Bottom Head Dia: 1”
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE: 4381395,6501086, 388904-S



25

716357
Trim Panel Retainers
Bottom Head Dia: 19mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE: 8934-201-681, 175-867-299



100

717130
Shield Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 13/16
Radiator Yoke, Fender & Bumper
OE: 6030441, 6036007AA , 6502078, 15958694, 1605396, 388577-S, W705589-S300



50

717131
Hood Insulation Retainers
Bottom Head Dia: 1/2 X 1-1/2
Top Head Dia: 9/32
Stem Dia: 5/8
Black Nylon
OE:4005513,6003351,385330-S, D30Z-16776-A



25

717134
Trim Panel Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 13/16
Hole: 1/4



50

718226
Fascia Retainers
Bottom Head Dia: 25mm
Top Head Dia: 7.5mm
Stem Dia: 20mm
Black Nylon
OE:6501067



25

718230
Door Trim Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 11/16
OE:4005470,6003349,6032363, 385661-S,9685057,N98905101



25

720377
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 11/32
Stem Dia: 7/8
Sliding Door & Lift Gate
OE:6501301, 21094146



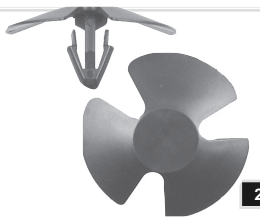
25

720380
Trim Panel Retainers
Bottom Head Dia: 5/8
Top Head Dia: 3/8
Stem Dia: 3/4
Trunk Lid Latch
OE:6504043, N807721-S



25

720384
Hdlight Mount. Shield Retainer
Bottom Head Dia: 1”
Top Head Dia: 19/64
Stem Dia: 1-1/16
Black Nylon
OE:6502104



25

720907
Hood Insulator Retainers
Bottom Head Dia: 30mm
Top Head Dia: 8mm
Stem Dia: 12mm
Black Nylon
OE:4878883AA



25

720922
Trim Panel Retainers
Bottom Head Dia: 7/16
Top Head Dia: 7/32
Stem Dia: 11/16
Black Nylon
OE:6505417AA



25

720923
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 11/32
Stem Dia: 13/16
Black Nylon



25

720924
Trim Panel Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 13/16
Fits: 1/4 Hole

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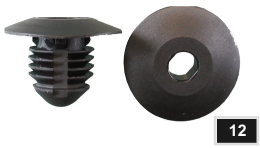
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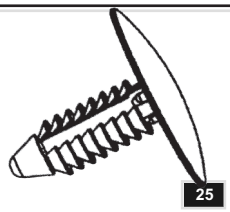
720925
Trim Panel Retainers
Bottom Head Dia: 23/32
Top Head Dia: 15/64 X 9/32
Stem Dia: 3/4
Black Nylon
OE:4717224



720927
Retainers
Bottom Head Dia: 5/8
Top Head Dia: 1/4
Stem Dia: 3/4
OE:6501948



723024
Bumper Fascia Retainers
Bottom Head Dia: 25mm
Top Head Dia: 13mm
Stem Dia: 15mm
Black Nylon
OE:6505686AA,15056810



723338
Fender Apron Retainers
23.4mm O/L, 2-10mm P.R.
25.4mm Head
Fits: 6.35mm Hole
Black Nylon
OE:6506005AA,6506293AA



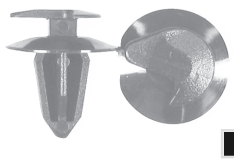
724532
Cowl Screen Retainers
Bottom Head Dia: 9/16
Top Head Dia: 19/64
Stem Dia: 13/32
1/4-20 X 7/16 Stud
OE:6503336



724553
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 8.5mm
Stem Dia: 20mm
Fits: 7mm Hole
OE:4860379-AA



724771
Bumper Retainers
Head Size: 19mm
Stem Dia: 8mm
Stem Length: 26mm
Bumper Retianer
OE:6509590-AA



718228
Door & Interior Trim Pnel Retainer
OE:6032235



718730
Push Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits: 1/4 (6.4mm) Hole
Front Fender Mud Skirt & Fender Liner
OE: 34201621, 6504090, 8934-201-621, 14019205, 14019206, 16514113, E3DZ-14A163A



723260
Push Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 17mm
Fits: 7mm Hole
Side Radiator Shield
OE:6506132-AA



724543
Push Type Retainers
Head Dia: 22mm
Stem Dia: 10mm
Fits: 9mm Hole
Door Trim Panel
OE:OWX68BD5-AA



724784
Push Type Retainers
Head Dia: 20mm
Stem Dia: 23mm
Fits: 10mm Hole
Black Nylon
OE:6508643-AA



724785
Push Type Retainers
Head Dia: 24mm
Stem Dia: 20mm
Fits: 11mm Hole
Shoulder: 3mm
OE:4389947-AA



724786
Push Type Retainers
Head Dia: 22mm
Stem Dia: 10mm
Fits: 9mm Hole
Gray Nylon
OE:OWX68XDB-AA



724787
Push Type Retainers W/ Sealer
Head Dia: 22mm
Stem Dia: 16mm
Fits: 9mm Hole
Black Nylon
OE:06509673AA



724788
Push Type Retainers
Fits: 8mm Hole
Head Size: 18mm
Stem Length: 10mm
Bumper
OE:6509960-AA

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12

724792
Trim Panel Retainers
Bottom Head Dia: 16mm
Top Head Dia: 13mm
Stem Dia: 11mm
Stem Length: 14mm



25

716424
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 6mm
Stem Dia: 12mm
Black Nylon
OE: 6502328, 20699808



25

720375
Weatherstrip Retainers
Bottom Head Dia: 3/8
Top Head Dia: 7/32
Stem Dia: 5/8
Black Nylon
OE:4658673



25

720382
Weatherstrip Retainers
Bottom Head Dia: 3/8
Top Head Dia: 7/32
Stem Dia: 3/8
Black Nylon
OE:2964547



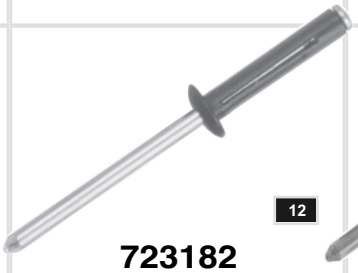
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724606
Weatherstrip Retainers
Bottom Head Dia: 1/4 X 21/32
Top Head Dia: 1/4
Stem Dia: 15/32
White Nylon
OE:4696129, 21077575



25

724210
Ergo-Tuflok Drive Rivets
Head Dia: 25mm
Stem Dia: 20mm
Fits: 10.5mm Hole
Fnder, Flare, Gas Tank & Panel Attach.
OE: 5GUU9K11BA, 11589295, W712665-S300



12

723182
Blind Rivets
4mm (5/32) Rivet
Grip Range: 1.0-7.5mm (.040
8mm (5/16) Flange
Aluminum Body/mandrel
OE:6034212,10131511, N807620-S100



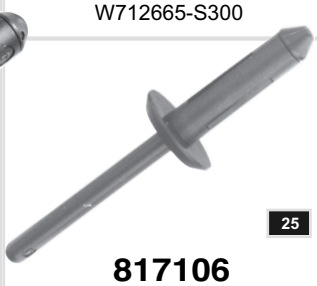
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723388
Blind Rivets
5/32 Dia.
Grip Range: 0.040 - 0.250
7/16 Flange
Front Bumper Impact Asborber
OE:6036148AA



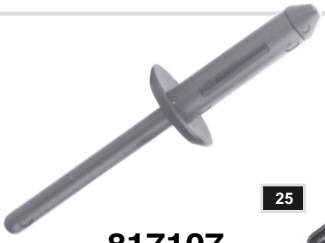
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724783
Nylon Rivets
Fits: 1/4
Panel Range: 5/32 X 15/64
Flange Dia: 1-3/32
Fender Liner
OE:6508444-AA



25

817106
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/8-15/64 (3-6mm)
15/32 (12mm) Head Dia.
Automotive OEM Approved
OE:6500899,175-853-577, 20432975



25

817107
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/8-3/16 (3-4.75mm)
15/32 (12mm) Head Dia.
Automotive Oem Approved
OE:6500859



25

817110
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:6500911,14063981, 8934-201-631, N803043-S



25

817111
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
1/2 (12.5mm) Head Dia.
Automotive OEM Approved
OE:6501559,20452072, N803862-S



25

817118
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 19/64-27/64 (7.5-11mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:4370138,N804675-S, N804759-S



25

817120
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/8-5/32 (3-4mm)
11/32 (9mm) Head Dia.
Automotive OEM Approved
OE: 6004212, 20465395



25

527102
Special Rivets
Dia.: 1/4
Grip Range: 9/64 To 3/16
1/2 Flange Dia.
Body: Aluminum
OE: 6032926, 9437486

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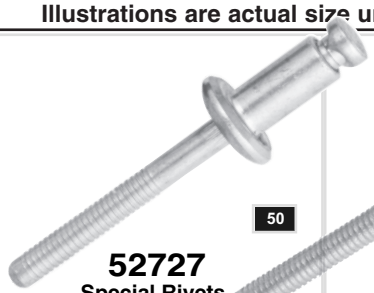
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527104
Special Rivets
Dia.: 3/16
Grip Range: 1/2 To 5/8
5/8 Flange Dia.
Body: Aluminum
OE:2085119, 3533539, 3540161



25

527117
Special Rivets
Dia.: 5/32
Grip Range: 1/8 To 3/16
5/16 Flange Dia.
Body: Aluminum
OE: 6032138, 9432137



50

52727
Special Rivets
1/4 Dia.
Grip Range: 1/32 To 9/64
Window Regulator, Glass
1/2 Flange Dia.
OE: 6031115, 004005791, 385189-S100, 9436175



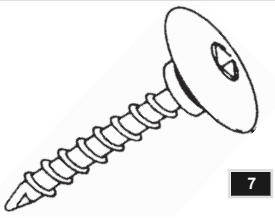
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52728
Special Rivets
1/4 Dia.
Grip Range: 33/64 To 19/32
Window Regulator, Glass
1/2 Flange Dia.
OE:6031091, 385323-S100, 9437938



12

724791
Specialty Rivets
Diameter: 1/8
Grip: 1/32 - 3/16
Flange: 1/4
Blk Alum Rivet/ Steel Mandrel
OE:6508540-AA



7

720754
Sq. Drive Truss Head Fascia Screws
7.5mm X 34.5mm
22mm Head
Attaches Foam To Bumper
Black Nylon
OE:6503401, 6503819, 25631448



50

718840
Trim Screws
8-18 X 1
7/16 Head Dia.
Phillips Round Washer Head
OE:4005091



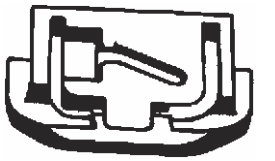
12

724772
Cable Ties
Overall Hgt: 174mm (6-15/16)
Max Dia: 40mm (1-9/16)
Strap Width: 5mm (3/16)
Black Nylon



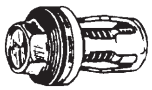
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720182
Body Bolts
6mm-1.0 X 20mm
10mm Hex
12.7mm Washer Dia.
Hx Flange Head W/ Starter Pnt
OE: 8934-201-287, 34201287



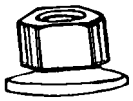
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716409
Moulding Clips
Windshield To Panel (lower) Side
1975-on Gm
1975-on Amc
OE: 4005540, 9731301



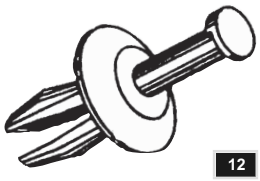
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717033
Expansion Nut Kits
1/4-20 Screw & Nut
Rear View Mirror
5/8 Washer OD
3/8 Hex
OE: 14007510, 367292, 474821



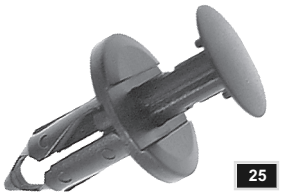
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716894
Metric Hex Nuts
M5-.80
15mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE: 4200408, N621903



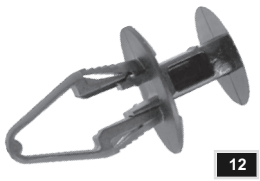
12

723025
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits:1/4 (6.4mm)
Frnt Fender Mud Skirt & Fender Liner
OE: 8934-201-621, 14019205, 14019206,16514113, 34201621, 6504090, E3DZ-14A163A



25

724133
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 20mm
Fits:8mm Hole
Air Baffle To Under Carriage
OE:6503598,15969147, 21030249,N807389-S



12

724140
Ergo-tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 20mm
Fits: 9.5mm Hole
Fender, Wheel & Bumper
OE:6508712AA,11561368



25

724205
Ergo-tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 17.5mm
Fits: 6.5mm Hole
Air Distributor & Windshield
OE:6508863AA,11589289

CHRYSLER / AMC

Illustrations are actual size unless otherwise noted.



724207
Ergo-tuflok Drive Rivets
Head Dia: 19mm
Stem Dia: 16mm
Fits: 8mm Hole
Fascia & General Purpose
OE:5116530AA,15296830



720334
Rear Bumper Fascia Retainers
Head Dia: 27/32 (21mm)
Stem Dia: 1" (25mm)
Fits:1/2 (12mm) Hole
Shoulder: 1/8(3mm)
OE:6502625,10140480



720059
Door Frame Spacer Retainers
Bottom Head Dia: 1"
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE: 4381395, 6501086, 388904-S



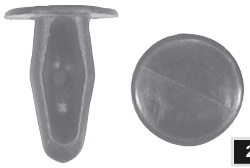
817110
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:8934-201-631,14063981, 6500911,N803043-S

Illustrations are actual size unless otherwise noted.



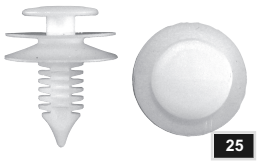
50

724855
Weatherstrip Clips
Bottom Head Dia: 5 X 15mm
Top Head Dia: 8mm
Stem Dia: 8mm
White Nylon
OE:W711858-S300



25

716311
Trim & Panel Clips
1/2 Pan Head Dia.
Door Panel Up To 1/4
Fits: 1/4 Hole
OE:375373-S



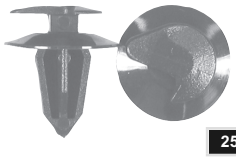
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716318
Door Panel Retaining Clips
OE:388499-S



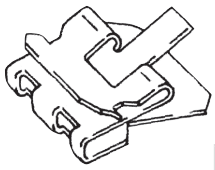
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717216
Door Trim Panel Clips W/ Anti-rattle Wedge
Phosphate
OE:383033-S101



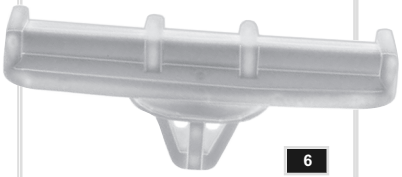
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718400
Door Trim Panel Clips
OE:385188-S



6

724518
Engine Splash Shield Clips
13/16 Width; 1-1/16 Length
Front Bumper Cover To
Air Dam
Zinc Organic
OE:W701295-S301



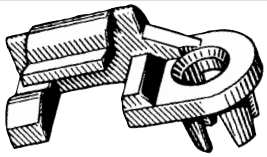
6

724539
Fender Moulding Clips
Head Dia: 15 X 51mm
Stem Dia: 11mm
Fits: 8mm Hole
White Nylon
OE:F57B-16241-AA



10

724821
Fuel Line Retainer Clips
Head Size: 3/8 X 5/8
Overall Hgt: 21/32
For 5/16 Fuel Line Hose
White Nylon
OE:4F1Z-9A317-AA



12

717183
Hood Prop Rod Clips
7/32 Dia.

Nylon

OE:D5ZZ-16828A, D5ZZ-16828B



10

724832
Moulding Clips W/ Sealer
Top Head: 12mm X 20mm
Bottom Head: 15mm X 20mm
Stem Length: 15mm
Rocker Panel
OE:W715201-S300



10

724833
Moulding Clips W/ Sealer
Top Head: 12mm X 20mm
Bottom Head: 12mm X 24mm
Stem Length: 16mm
Bumper
OE:W716497-S300



12

724834
Moulding Clips W/ Sealer
Fits: 9mm Hole
Top Head: 15mm X 20mm
Bottom Head: 20mm X 20mm
Stem Length: 14mm
OE:W716503-S300



10

724835
Moulding Clips
Fits: 9mm Hole
Top Head: 16mm X 23mm
Bottom Head: 17mm
Stem Length: 12mm
OE:W790225-S900



12

724857
Moulding Clips
Head Size: 11mm X 20mm
Overall Height: 13.5mm
Stem Dia: 11mm
White Nylon
OE:W716460-S300

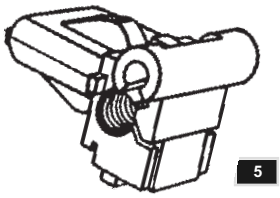


1

721049
Door Lock Rod Clips
Right Hand

White Pawl

OE:YL3Z-1521970-AA



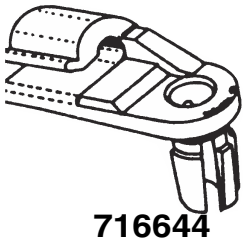
5

716643
Door Lock Rod End Clips
5/32 Rod Diameter
2-piece Fold Over

White Nylon
OE:E6DZ-5421952-A,
E83Z-5421952-B

FORD

Illustrations are actual size unless otherwise noted.



10

716644
Door Lock Rod End Clips
5/32 Rod Diameter

Yellow Nylon

OE:390523-S, E6AZ-5421952-A



25

716310
Retaining Clips
6.3mm X 9mm
14mm Head
Various Front End Fascia

OE:N-803857-S



25

717166
Door Hinge Bushings
5/16 ID
13/32 OD
9/32 Height

OE: D1AZ-6522841A, 9721917

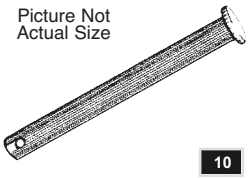


25

717387
Door Hinge Bushings
5/16 ID
31/64 OD
9/32 Height

OE:D90Z-6522841A

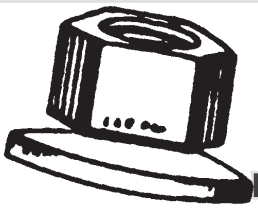
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10

721055
Door Hinge Pins
3-3/8 Length
11/32 Dia.
9/16 Head Dia.
Zinc Plated

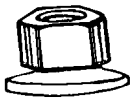
OE:D9ZZ-6643030-AA



25

720301
Body Fastener Nuts
6mm-1.0
M24 Washer Diameter
Free Spinning Washer
Zinc & Yellow

OE: N-621907-S2



25

716894
Metric Hex Nuts
M5-.80
15mm Washer Diameter
W/ Free Spinning Washer
Phosphate

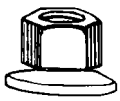
OE: N621903, 4200408



25

717476
Metric Hex Nuts
M6-1.0
18mm Washer Diameter
W/ Free Spinning Washer
Phosphate

OE: N621906-S2



25

720298
Metric Hex Nuts
M6-1.0
16mm Washer Diameter
W/ Free Spinning Washer
Phosphate

OE:N-621905-S2



5

724820
Bumper Grommets
Fits: 17 X 20mm Hole
Head Size: 27mm X 30mm
Stem Length: 32mm
Rear Bumper Grommet W/seal

OE:3M8Z-16K262-A,
GJ6A-50-ES1

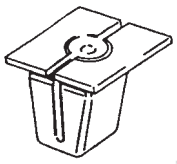


12

724853
Tail Lamp Grommets
Head Size: 13mm X 17mm
Stem Length: 10mm

Black Nylon

OE:W711079-S300



7

723049
Screw Grommets
Fits: 10 X 13.5mm Hole
20mm Square Flange
4.2mm Screw
Hdlmp Mount At Grille Opening

OE:YS4Z-13N129-AA



5

724844
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 15mm X 27mm
Stem Length: 13mm
Cowl Vent

OE:3M8Z-17C432-A,
GK2A-50-798



12

724845
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 16mm
Stem Length: 24mm
Front Bumper

OE:W708319-S300



12

724846
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 11.5mm X 11.5mm
Stem Length: 18mm
Side Marker/ Tail Light / Bump

OE:W708580-S300



10

724848
Screw Grommets W/ Sealer
Head Size: 15mm X 15mm
Stem Length: 22mm
M6.3-1.81 (No.14) Screw Size
License Plate & Tail Light

OE:W711031-S300

FORD

Illustrations are actual size unless otherwise noted.



25

702563
License Plate Nuts
1/4 (No. 14) Or 6mm Sq. Hole
No. 10 Or 4.2mm Screw
Nylon

OE:380707-S



25

717149
Side Mirror Nuts
Fits: 1/4 Square Hole
No. 8 Or No. 10 Screw
Headlight Door & Grille
White Nylon

OE:379830-S



12

723048
Rear Splash Shield Push Nuts
4.5mm Stud
22mm OD
For Plastic Studs
Wheel Opening

OE:W703505-S301



25

717106
Extruded "U" Nuts
1/4-20 Thread Size
.025 - .150 Panel Range
25/32 Center Of Hole To Edge
Phosphate

OE:45267,1494257



50

717108
Extruded "U" Nuts
5/16-18 Thread Size
.025 - .150 Panel Range
7/8 Center Of Hole To Edge
Phosphate

OE: 45268-S2,10008002, 1494258



10

717109
Extruded "U" Nuts
3/8-16 Thread Size
.050 - .200 Panel Range
3/4 Center Of Hole To Edge
Phosphate

OE: 45265-S2, 12337873, 1494254



12

717482
Extruded "U" Nuts
8mm-1.25 Screw
.80-4.50mm(.030 -.170) Panel Range
20mm(13/16) Center Of Hole To Edge
Phosphate

OE:N623343-S2, N623343-S100, 11500661, 11503317, 11516150



12

724602
Extruded "U" Nuts
M6-1.0 Screw
.80 - 4.00mm (.030- .160) Panel Rnge
M13.5 (17/32) Cnter Of Hole To Edge
Phosphate

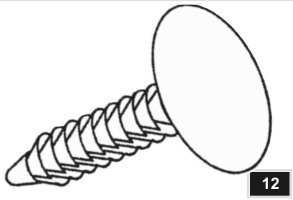
OE:N623332-S2, N623332-S53, N623332-S100, 1016937, 11503957



50

720217
Wide Range "U" Nuts
8-18 Screw
.025 - .150 Panel Range
5/8 Center Of Hole To Edge
Phosphate

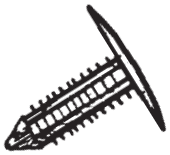
OE: 381863-S2, 11504531, 9433155



12

723346
Interior Trim & Garnish
Bottom Head Dia: 1"
Top Head Dia: 5/16
Stem Dia: 1-1/2
Blue Nylon

OE:N806344-S



25

720378
Shield Retainers
Fits: 13/64 (5.3mm) Hole

Black Nylon

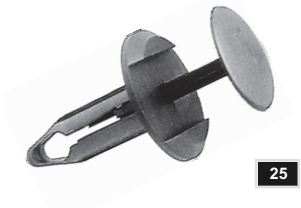
OE:N801994-S100



25

718423
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Splash Shield & Fascia

OE: N802781-S, 14093088



25

718732
Drive Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 23mm
Fits: 7mm Hole
Fascia

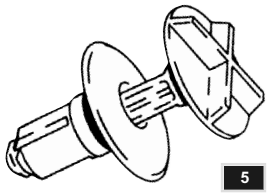
OE:N803716-S



25

718733
Drive Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 23mm
Fits: 6mm Hole
Fascia

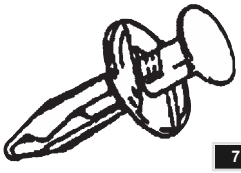
OE: N803709-S,15681408



5

723177
Drive Type Rivet Retainers
Head Dia: 24.5mm
Stem Dia: 14mm
Fits: 9mm Hole
Radiator Sight Shield

OE: W705957-S300, W706519-S300



7

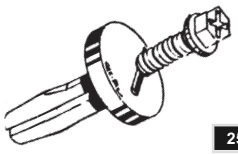
723309
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 26mm
Fits: 8mm Hole
Bumper Cover & Fender Shield

OE:W708530-S300,11518017

FORD

FORD

Illustrations are actual size unless otherwise noted.



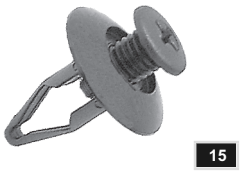
718429
Screw Type Rivet Retainers
Head Dia: 3/4 (19mm)
Stem Dia: 1/2 (12.7mm)
Fits: 1/4 (6.4mm) Hole
Under Hood
OE:N802737-S



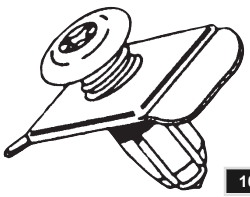
718717
Screw Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 29/32 (23mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:N804837-S



718718
Screw Type Rivet Retainers
Head Dia:15/32 X 15/32 (12 X 12mm)
Stem Dia: 21/32 (16.7mm)
Fits: 1/4 X 1/4 (6.4mm X 6.4mm)
Fascia, Trim & Grille
OE: N803494-S,15679091



718723
Screw Type Rivet Retainers
Head Dia: 25/32 (20mm)
Stem Dia: 23/32 (18mm)
Fits: 5/16 (8mm) Hole
Inner Fender
OE:NA01-56145,63844-01A00,
MNA01-56-145,NA01-56-145



718726
Screw Type Rivet Retainers
11mm Stem Length
30 X 20mm Head
2-7mm Grip Range
Fits: 10mm Hole
OE:E7GZ-17A904-B,
BF67-50-033



720669
Screw Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 11/16 (17.5mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:N808147-S,10139822,
25680782



723047
Screw Type Rivet Retainers
17.5mm Stem Length
16mm Flange
1.6-6mm Panel Range
Fits: 6mm Hole
OE:YS4Z-16K262-AA



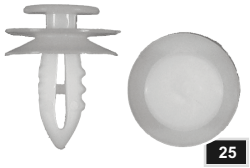
723059
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 8mm
Bumper Cover
Black Nylon
OE:W706713-S300



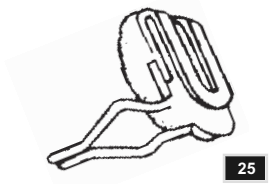
724117
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 8mm Hole
Black Nylon
OE:W705845-S300,B092-51-833



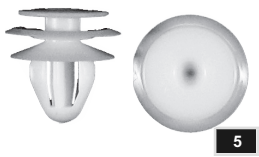
717211
Door Weatherstrip Retainers
Bottom Head Dia: 3/16 X 1/2
Top Head Dia: 3/16
Stem Dia: 5/8
Natural Nylon
OE:C5AB-6220586A



717214
Interior Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 1/2
Stem Dia: 11/32
Stem Length: 9/16
OE:387477-S



717215
Anti-rattle Foam Wedge
OE:383035-S100



723205
Door & Interior Trim Panel
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 9.5mm
OE:MG350-68AB1,G350-68-AB1



724822
Heater Hose Coupler Retainers
Overall Hgt: 3/4
For 3/4 Heater Hose

Gray Nylon
OE:1R3Z-18D434-BA



724842
Lift Gate Trim Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 12mm
Stem Length: 14mm
OE:W709995-S300



724854
Tail Lamp Retainers
Fits: 8mm Square Hole
Top Head: 15mm
Bottom Head: 18mm
Stem Length: 12mm
OE:W713579-S300

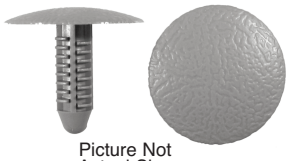
Illustrations are actual size unless otherwise noted.



25

716304
Fascia Retainers
Bottom Head Dia: 7/16
Top Head Dia: 7/32
Stem Dia: 1/2

OE:N803170-S



Picture Not Actual Size

25

716305
Trim Panel / Hood Insul. Retainer
Bottom Head Dia: 25mm
Top Head Dia: 8mm
Stem Dia: 20mm
Gray Nylon
OE:N802734-S, 22718305



Picture Not Actual Size

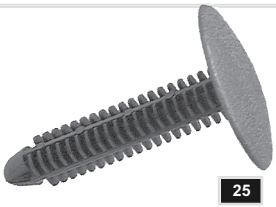
25

716306
Trim Panel & Hood Insul. Retainers
Bottom Head Dia: 25mm
Top Head Dia: 8mm
Stem Dia: 20mm
Black Nylon
OE:N802734-S, 22718305



25

716309
Bumper Fascia Retainers
Bottom Head Dia: 22mm
Top Head Dia: 11mm
Stem Dia: 28mm
Black Nylon
OE:N804379S,1631564



25

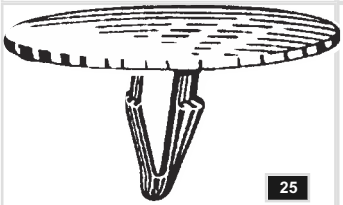
716312
Interior Trim Retainers
Bottom Head Dia: 26mm
Top Head Dia: 8mm
Stem Dia: 38mm
Black Nylon
OE:N-804349-S



Picture Not Actual Size

25

716321
Trim Panel Retainers
Bottom Head Dia: 1”
Top Head Dia: 9/32
Stem Dia: 1-1/16
Black Nylon
OE:388930-S



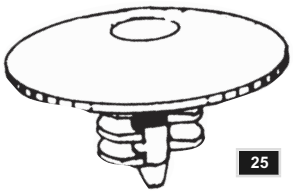
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716325
Hood Insulation Retainers
Bottom Head Dia: 1-3/4
Top Head Dia: 3/8
Stem Dia: 3/4
Black Nylon
OE:388908-S



15

716326
Hood Insulation Retainers
Bottom Head Dia: 38mm
Top Head Dia: 7mm
Stem Dia: 9mm
Black Nylon
OE:65832-F5000, 65846-30F00



25

716331
Hood Insulation Retainers
Bottom Head Dia: 20mm
Top Head Dia: 5.5mm
Stem Dia: 9mm
Nylon
OE:F22Z-16774-A, G030-68-885B38, GA2A-56-694



25

716335
Dashboard Retainers
Bottom Head Dia: 1-1/4
Top Head Dia: 5/16
Stem Dia: 1-3/16
Black Nylon
OE:N-800387-S, N09-280305



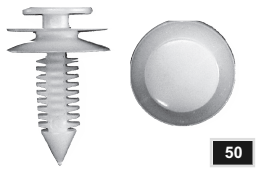
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716337
Door Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 1/2
Stem Dia: 5/16
Stem Length: 5/8
OE: N-802900, 21042958



50

717319
Hood Insulation Retainers
Bottom Head Dia: 1-3/16
Top Head Dia: 3/8
Stem Dia: 3/4
Black Nylon
OE:385595-S, 386553-S



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718415
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 33/64
Stem Dia: 5/16
Stem Length: 13/16
OE:389144-S



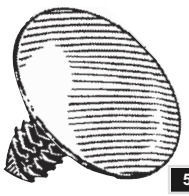
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718422
Door Trim Panel Retainers
Bottom Head Dia: 25/32
Top Head Dia: 1/2
Stem Dia: 5/16
Stem Length: 5/8
OE:N801925-S



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718430
Trim Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 15/16
OE:387496-S



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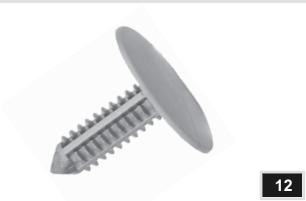
720059
Door Frame Spacer Retainers
Bottom Head Dia: 1”
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE:388904-S, 4381395, 6501086

FORD

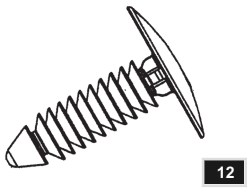
Illustrations are actual size unless otherwise noted.



720383
Carpet & Shield Retainers
Bottom Head Dia: 1”
Top Head Dia: 1/4
Stem Dia: 25/32
Black Nylon
OE: N808370-S



721007
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 7/32
Stem Dia: 11/16
Black Nylon
OE:N801994-S100



723285
Rear Bumper Cover Retainers
Bottom Head Dia: 21mm
Top Head Dia: 7.5mm
Stem Dia: 25mm
Black Nylon
OE:W708035-S300



723349
Fender Flare Retainers
Bottom Head Dia: 18mm
Top Head Dia: 7.5mm
Stem Dia: 33mm
Black Nylon
OE:W709002-S



724790
Trunk Trim & Insul. Retainers
Bottom Head Dia: 23mm
Top Head Dia: 8mm
Stem Dia: 20mm
Black Nylon
OE:6508727-AA



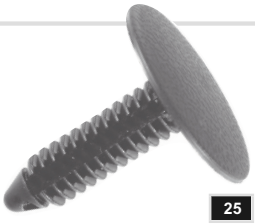
724823
Hood Insulation Retainers
Head Size: 28mm X 30mm
Stem Length: 14mm
Overall Hgt: 16mm
Black Nylon
OE:W709688-S300



724839
Retainers
Bottom Head Dia: 31mm
Top Head Dia: 7.6mm
Stem Dia: 13mm
Black Nylon
OE:W708633-S300



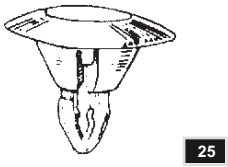
724840
Retainers
Bottom Head Dia: 20mm
Top Head Dia: 9mm
Stem Dia: 17mm
Black Nylon
OE:W715926-S300



724841
Retainers
Bottom Head Dia: 26mm
Top Head Dia: 7.5mm
Stem Dia: 28mm
Black Nylon
OE:W706635-SSW



723056
Fender Flare / Mud Flap Retainer
Bottom Head Dia: 22mm
Top Head Dia: 7.5mm
Stem Dia: 35mm
Black Nylon
OE:W701855-S300



718409
Push Type Retainer Pins
OE:800737-S



718737
Push Type Rivet Retainers
Head Dia: 25mm
Stem Dia: 27mm
Fits: 7mm Hole
Black Nylon
OE:N804674-S



718912
Push Type Retainers
Head Dia: 5/8(16mm)
Stem Dia: 7/16 (11mm)
Fits: 1/4 (6.4mm) Hole
Lic. Plate & Grille To Headlight Bracket
OE:383142-S



724540
Push Type Retainers
Head Dia: 18mm
Stem Dia: 10mm
Fits: 6mm Hole
Trim Panel
OE:5R3Z-54310D12-AAA



724603
Push Type Retainers
Head Dia: 15mm
Stem Dia: 20mm
Fits: 8mm Hole
Rocker Panel, Whl Liner & Air Inlet Duct
OE: F3LY-14570-B, 11561878, 21075686



724837
Push Type Retainers
Fits: 7mm Hole
Head Size: 18mm
Stem Length: 12mm
Lower Radiator Shield
OE:W716510-S300

Illustrations are actual size unless otherwise noted.



25

717212
Weatherstrip Retainers
Bottom Head Dia: 3/16 X 1/2
Top Head Dia: 3/16
Stem Dia: 7/16
Black Nylon
OE:4876498



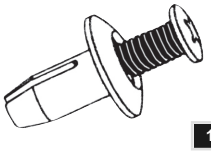
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720499
Weatherstrip Retainers
Bottom Head Dia: 9/32 X 1/2
Top Head Dia: 7/32
Stem Dia: 21/32
Natural Nylon
OE:385677



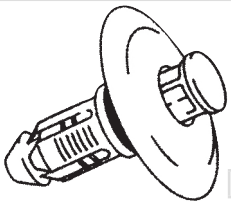
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720934
Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 5mm
Stem Dia: 8mm
Natural Nylon
OE:N806340-S



12

724525
Rear Bumper Screw Type
Head Dia: 18mm
Stem Dia: 18mm
Fits: 8mm Hole
Panel Range: 3.8 - 5mm
OE:W710250-S300



5

723176
Drive Type Rivets - Push To Release
Head Dia: 25mm
Stem Dia: 12mm
Fits: 9mm Hole
Shoulder: 3mm
OE:W705956-S300



12

720501
Peel Type Rivets
3/16 (4.8mm) Rivet
1/2 Flange
Side Door Lock Attachment
OE:W525170-S417



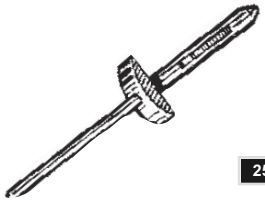
5

720531
Peel Rivets
1/4 (m6.3) Rivet
Grip Range: 1/8-21/64
3/4 Flange
Door Lock Actuator
OE:N808689-S417



25

817105
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/16-11/64 (1.5-4.5mm)
15/32 (12mm) Head Dia.
Automotive OEM Approved
OE:N804189-S,20423647



25

817114
Nylon Blind Rivets
3.96mm Hole Dia.
Grip Range: 6.0mm -10.5
8.0mm X 15.0mm Head Dia.
Automotive OEM Approved
OE:N804583-S



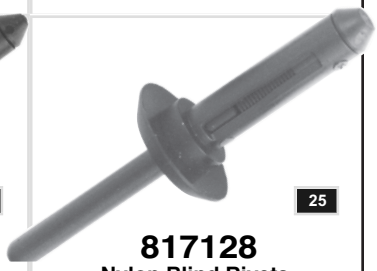
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817117
Nylon Blind Rivets
6.3mm Hole Dia.
1/32-5/32 (.5mm - 4.0mm)
16.5mm Head Dia.
Automotive OEM Approved
OE:N804134-S



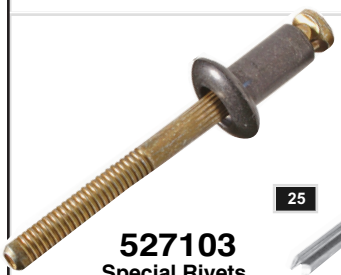
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817122
Nylon Blind Rivets
3/16 (4.75mm) Hole Dia.
Grip Range: 1/16-9/64 (1.5-3.5mm)
3/8 (9.5mm) Head Dia.
Automotive OEM Approved
OE:N805132-S



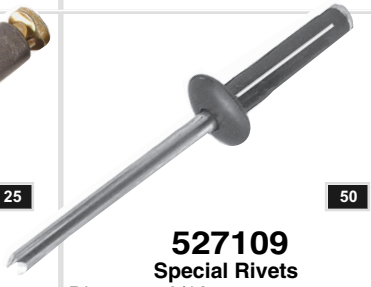
25

817128
Nylon Blind Rivets
6.3mm Hole Dia.
Grip Range: 4.0 - 10.0mm
17.0mm Head Dia.
Automotive OEM Approved
OE:N806296-S



25

527103
Special Rivets
Dia.: 1/4
Grip Range: 3/32 To 1/8
1/2 Flange Dia.
Body: Aluminum
OE:388047-S102



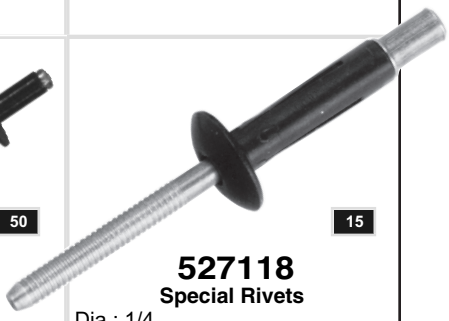
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527109
Special Rivets
Diameter: 3/16
Grip Range: 5/64 To 15/64
7/16 Flange Dia.
Body: Aluminum
OE:N805592-S100, 25618730



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527115
Special Rivets
Dia.: 1/8
Grip Range: 1/16 To 1/8
3/8 Flange Dia.
Body: Aluminum
OE:N805759-S100

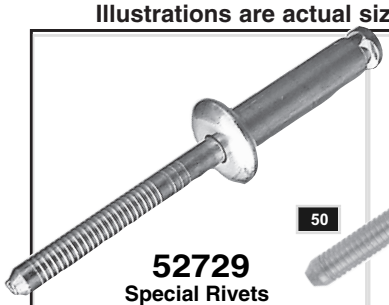


15

527118
Special Rivets
Dia.: 1/4
Grip Range: 1/16 To 1/4
9/16 Flange Dia.
Body: Aluminum
OE:N804851-S100

FORD

Illustrations are actual size unless otherwise noted.



52729
Special Rivets
1/4 Dia.
Grip Range: 11/64 To 3/4
Window Regulator, Glass
1/2 Flange Dia.
OE:389268-S100, 12338153, 20184399



52791
Special Rivets
1/4 Dia.
Grip Range: 3/32 To 1/8
Window Regulator, Glass
1/2 Flange Dia.
OE:388047-S100, 14078435



52792
Special Rivets
Dia.: 1/4
Grip Range: 1/8 To 1/4
1/2 Flange Dia.
Body: Steel
OE:372820-S36, 372820-S40



52793
Special Rivets
Dia.: 1/4
Grip Range: 1/8 To 1/4
3/4 Flange Dia.
Body: Steel
OE:388442-S100



52794
Special Rivets
Dia.: 3/16
Grip Range: 3/8 To 1/2
9/16 Flange Dia.
Fascia & Bumper
OE:388664-S100



724849
Specialty Rivets
Diameter: 1/4
Grip: 3/16 - 3/8
Flange: 11/16
Bumper Cover Split Type
OE:W705297-S300



724850
Specialty Rivets
Diameter: 1/4
Grip: 1/64 - 7/32
Flange: 3/4
Attaches Power Lock Motor/sole
OE:W710079-S300



724851
Specialty Rivet
Diameter: 5/32 (4mm)
Grip: 3/64 - 1/8
Flange: 3/8 (9mm)
Black Alum Rivet/steel Mandrel
OE:W713819-S900



723347
Belt Moulding Blind Rivets
3.2mm (0.126) Rivet
Grip Range: 3.2-4.75mm
9.5mm Flange
8.5mm Length
OE:N808376-S417



724852
All Steel Specialty Rivets
Diameter: 1/4 (6.3mm)
Grip: .110 - .189
Flange: 1/2 (13mm)
Galvanized Rivet/ Steel Mandrel
OE: W702512-S900C, W708777-S437



723294
Sheet Metal Screws
4.2mm-1.41 X 20mm
16mm (5/8) Washer OD
No. 8 X 25/32
Phillips Pan Head W/ Sems Washer
OE:N801603-S2



702565
License Plate Bolts
6mm X 27mm
19mm Washer
Indented Hex Head
W/loose washer
OE:N-606676-S53B



716633
License Plate Screws
(No. 14) 1/4 X 5/8
5/16 Hex
5/8 Washer Head OD
Slotted Hex Washer Head
OE:N800369



718907
License Plate Screws
(No. 14) 1/4 X 5/8
5/16 Hex
5/8 Washer Head OD
Slotted Hex Washer Head
OE:N800369-S2

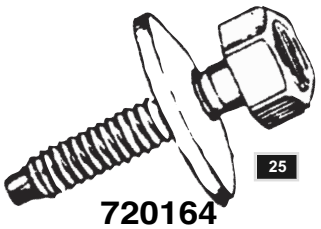


716219
Trim Screws
8 X 1/2
13/32 Head Dia.
Phillips Round Washer Head
Black Phosphate
OE:381801-S2, 390017-S2, 20423550

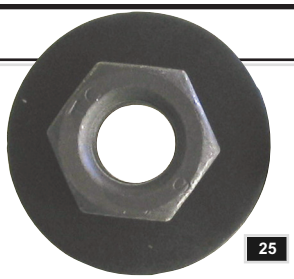


716222
Trim Screws
8 X 1/2
11/32 Head Dia.
Phillips Round Washer Head
Chrome
OE:388020-S47X, 11503289

Illustrations are actual size unless otherwise noted.



720164
Body Bolts
6mm-1.0 X 23mm
8mm Hex
19mm Washer Dia.
Dog Point W/ Loose Washer
OE:N606676-S2,6100566



717478
Metric Hex Nuts
M8-1.25
24mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE:N621940, 11500401, 11503695



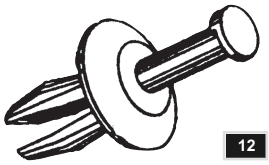
718427
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 7/8 (22mm)
Fits: 5/16 (8mm) Hole
Shoulder: 1/8(3.2mm)
OE:N803421-S,6501590



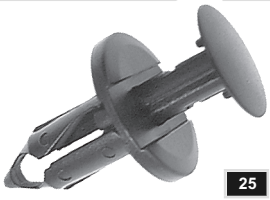
718679
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE: N803362-S, 20510029, 34202672



718728
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 5/8 (16mm)
Fits: 1/4 (6.4mm) Hole
Cowl Ldge, Wtherstrip & Fnder Liner
OE: 387843-S, 472434, 480534, 6031390



723025
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits:1/4 (6.4mm) Hole
Frnt Fender Mud Skirt & Fender Liner
OE: E3DZ-14A163A, 14019205, 14019206,16514113, 34201621, 6504090, 8934-201-621



724133
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 20mm
Fits:8mm Hole
Air Baffle To Under Carriage
OE:N807389-S,15969147, 21030249, 6503598



724139
Ergo-tuflok Drive Rivets
Head Dia: 20mm
Stem Dia: 22mm
Fits: 8.5mm Hole
Cowl Vent & Fender
OE:W712196-S300,11589293



724206
Ergo-tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 22mm
Fits: 6.5mm Hole
Air Dam & Grille
OE:W713331-S300,11589291



724210
Ergo-tuflok Drive Rivets
Head Dia: 25mm
Stem Dia: 20mm
Fits: 10.5mm Hole
Fnder, Flare, Gas Tank & Panel Attach.
OE:W712665-S300,11589295, 5GUU9K11BA



718716
Screw Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8 (22mm)
Fits:1/4 (6.4mm) Hole
Black Nylon
OE: N803946-S, 6502871



725103
Retainers
Top Head: 13mm
Bottom Head: 17.5mm
Stem Dia: 10.5mm
Stem Length: 15mm
OE:1008068, 7M0-867-299-K, 7M3-867-299, DYC500020



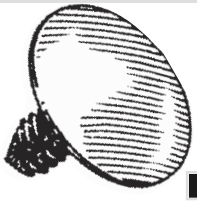
716319
Shield Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 5/8
Fender & Bumper
OE: 389358,14093311, 20732399, 332364, 3691590, 4004569, 6031321



716333
Retainers
Bottom Head Dia: 3/4
Top Head Dia: 9/32
Stem Dia: 1/2
Black Nylon
OE:387258-S, 20032850, 3861577



716349
Fascia To Bumper Retainers
Bottom Head Dia: 1"
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE:389443-S



716350
Door Frame Spacer Retainers
Bottom Head Dia: 1"
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE: 388904-S, 4381395, 6501086

FORD

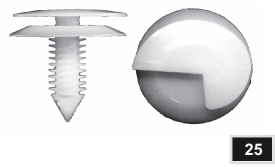
Illustrations are actual size unless otherwise noted.



717130
Shield Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 13/16
Radiator Yoke, Fender & Bumper
OE: 388577-S, W705589-S300, 15958694, 1605396, 6030441, 6036007AA, 6502078



717131
Hood Insulation Retainers
Bottom Head Dia: 1/2 X 1-1/2
Top Head Dia: 9/32
Stem Dia: 5/8
Black Nylon
OE:385330-S,D30Z-16776-A, 4005513, 6003351



718230
Door Trim Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 11/16
OE:385661-S, 4005470, 6003349, 6032363, 9685057,N98905101



720380
Trim Panel Retainers
Bottom Head Dia: 5/8
Top Head Dia: 3/8
Stem Dia: 3/4
Trunk Lid Latch
OE: N807721-S, 6504043



718730
Push Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits:1/4 (6.4mm) Hole
Front Fender Mud Skirt & Fender Liner
OE:E3DZ-14A163A,14019205,14019206, 16514113, 34201621,6504090,8934-201-621



723182
Blind Rivets
4mm (5/32) Rivet
Grip Range:1.0-7.5mm (.040-2.75)
8mm (5/16) Flange
Aluminum Body/mandrel
OE:N807620-S100, 10131511, 6034212



817110
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:N803043-S, 14063981, 6500911, 8934-201-631



817111
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
1/2 (12.5mm) Head Dia.
Automotive OEM Approved
OE:N803862-S, 20452072, 6501559



817118
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 19/64-27/64 (7.5-11mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE: N804675-S, N804759-S, 4370138



52727
Special Rivets
1/4 Dia.
Grip Range: 1/32 To 9/64
Window Regulator, Glass
1/2 Flange Dia.
OE: 385189-S100, 004005791, 6031115, 9436175



52728
Special Rivets
1/4 Dia.
Grip Range: 33/64 To 19/32
Window Regulator, Glass
1/2 Flange Dia.
OE:385323-S100, 6031091, 9437938

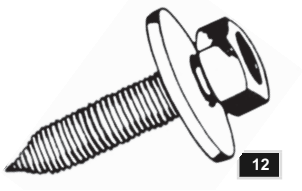


717271
Metric Extruded “U” Nuts
M8-1.25 Screw
.80-4.00mm (.030 -.160) Panel Range
14.5mm (9/16) Hole Center To Edge
Phosphate
OE: N623333-S2,11500660, 11502617, 6101283

Illustrations are actual size unless otherwise noted.



723276
Bolts W/ Starter Point
6mm-1.0 X 20mm
13mm Washer
10mm A/F
Indented Hex Washer Head
OE:11503800



724526
Body Bolts
8mm-1.25 X 26mm
13mm Hex
24mm Washer Dia.
Indent Hx Hd w/ Wshr & CA Pnt
OE:25531999



724541
Body Bolts
10mm-1.5 X 35mm
15mm Hex
22mm (7/8) Washer Head OD
25mm (1") Washer OD
OE:11516845



724880
Grille Clips
Overall Hgt: 14mm (9/16)

White Nylon
OE:5482087

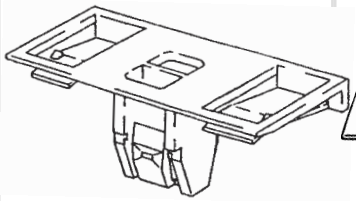


718671
Front Fender
Splash Shield Clip

OE:25517947

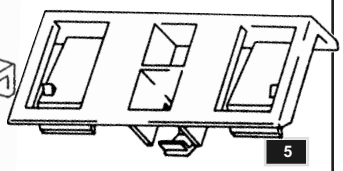


720943
Rocker Panel Moulding Clips
1-1/4 Stem Length
7/8 X 1-9/16 Bot. Head
11/16 X 1-1/2 Top Head
Fits: 7/16 Hole
OE:10431761



723017
Rocker Panel Moulding Clips
Fits: 9mm X 14mm Hole
7/8 W X 2" L

Gray Nylon
OE:25648693



723180
Rocker Moulding Clips
7/8 W X 2" L

Pontiac Bonneville
Black Nylon
OE:25691949,25704001



723300
Rocker Pnl Mlding Clip W/Seal
9/16 Stem Length
Fits: 7/16 Hole
13/16 X 13/16 Bottom Head
9/16 X 13/16 Top Head
OE:11518357



723304
Wire Loom Routing Clips
20mm Stem Length
Fits: 6.3mm Hole
10mm Loom ID
13mm Loom OD
OE:12160858



724534
Rocker Panel Moulding Clips
Top Head: 9/16 X 25/32
Bottom Head: 5/8 X 25/32
Fits: 3/8 Hole
Stem Length: 9/16
OE:25742293



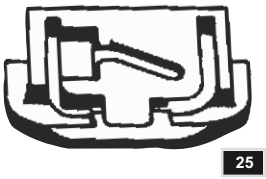
724939
Rocker Mlding Clip W/ Sealer
Fits: 9mm Hole
Top Head: 12mm X 20mm
Bottom Head: 12mm X 24mm
Stem Length: 14mm
OE:11610495



724956
Rocker Mlding Clip W/ Sealer
Fits: 9mm Hole
Top Head: 9mm X 20mm
Bottom Head: 14mm X 20mm
Stem Length: 14mm
OE:11546635,11612122

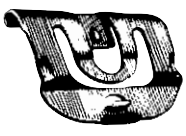


724957
Rocker Molding Clip W/ Sealer
Fits: 9mm Hole
Top Head: 9.5mm X 20mm
Bottom Head: 14mm X 20mm
Stem Length: 20mm
OE:11569921,15864780



716409
Moulding Clips
Windshield To Panel (lower) Side

White Nylon
OE:9731301,4005540



717219
Moulding Clips
Rear Window Reveal

OE:4533699

GM

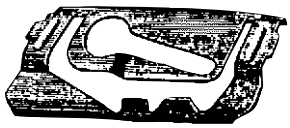
Illustrations are actual size unless otherwise noted.



50

717222
Moulding Clips
Upper & Lower Windshield

OE:7698976,8763591



25

717223
Moulding Clips
Windshield, Skylight, Rear & Quarter Window

OE:7693140,8736586



50

717226
Moulding Clips
Rear Window

OE:8717859,9854717



10

724887
Moulding Clips
Top Head: 12mm X 14mm
Bottom Head: 17.5mm X 20mm
Stem Length: 13mm
Rocker Panel
OE:94530385



10

724888
Moulding Clips
Fits: 8mm Hole
Top Head: 11mm X 15mm
Bottom Head: 16mm
Stem Length: 10mm
OE:94530742



10

724889
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 16mm
Bottom Head: 12mm X 20mm
Stem Length: 24mm
OE:25775903



12

724890
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 29mm
Bottom Head: 12mm X 20mm
Stem Length: 10mm
OE:25922739



10

724891
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 20mm
Bottom Head: 12mm X 20mm
Stem Length: 11mm
OE:11571175



10

724892
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 16mm
Bottom Head: 12mm X 20mm
Stem Length: 24mm
OE:25774893



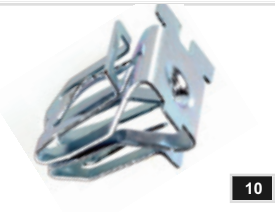
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724893
Moulding Clips
Fits: 10mm Hole
Head Size: 22mm X 46mm
Stem Length: 17mm
Rocker
OE:25744385



10

724894
Moulding Clips
Fits: 7/16 Hole
Top Head: 15/32 X 25/32
Bottom Head: 1/2 X 25/32
Stem Length: 9/16
OE:10445899



10

724895
Moulding Clips
Head Size: 13.5mm X 20.5mm
Overall Length: 22mm
M4.2 (no. 8) Screw Size
Windshield Garnish / Int. Trim
OE:11609651



10

724896
Moulding Clip W/Metal Reinfrc
Top Head: 17mm X 20mm
Bottom Head: 14mm X 28mm
Stem Length: 11mm
Windshld Pillar, Interior & Trunk
OE:24405740



10

724897
Moulding Clip W/Metal Reinfrc
Top Head: 17mm X 20mm
Bottom Head: 14mm X 28mm
Stem Length: 12mm
Windshield Pillar & Interior Trim
OE:24405739



10

724898
Moulding Clips W/ Sealer
Fits: 8mm Hole
Top Head: 8mm X 18mm
Bottom Head: 15mm
Stem Length: 13mm
OE:11611375



10

724899
Moulding Clips W/ Sealer
Fits: 10mm Hole
Top Head: 22mm X 45mm
Bottom Head: 25mm X 37mm
Stem Length: 15mm
OE:11611435

Illustrations are actual size unless otherwise noted.


10

724900
Moulding Clips
Fits: 7mm Hole
Top Head: 6.5mm X 15mm
Bottom Head: 13mm X 26mm
Stem Length: 8mm
OE:25796285


10

724901
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 20mm
Bottom Head: 12mm X 20mm
Stem Length: 11mm
OE:11562250,11571175


10

724902
Moulding Clips W/ Sealer
Top Head: 12mm X 20mm
Bottom Head: 12mm X 24mm
Stem Length: 16mm
Gray Nylon
OE:11609923


10

724903
Moulding Clips W/ Sealer
Top Head: 7.5mm X 11mm
Bottom Head: 15mm
Stem Length: 14mm
Lower Door & Fender
OE:11611079


12

724904
Moulding Clips
Fits: 9mm Hole
Top Head: 12.5mm X 23mm
Bottom Head: 12.5mm X 23mm
Stem Length: 11mm
OE:11611626


10

724905
Moulding Clips
Fits: 9mm Hole
Top Head: 12.5mm X 20mm
Bottom Head: 18mm
Stem Length: 11mm
OE:11570847


10

724906
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 20mm
Bottom Head: 12mm X 20mm
Stem Length: 10mm
OE:11547210


25

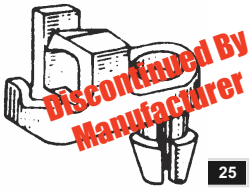
717719
Door Lock Rod Clips
OE:12337868,14051674,
4234830


10

721051
Door Lock Rod Clips
5/32 Rod Diameter
Gray Nylon
OE:16629990,16675980

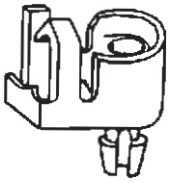

25

716647
Door Lock Rod End Clips
5/32 Rod Diameter
Right Side
Black Nylon
OE:20582532,20633148



25

717713
Door Lock Rod End Clips
.186 Rod Diameter
OE:3081052,469716


25

717714
Door Lock Rod End Clips
.156 Rod Diameter
.140 Panel Thickness
OE:20008799


25

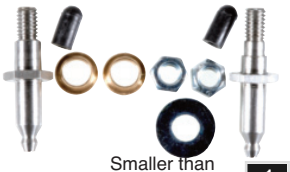
717716
Door Lock Rod Retaining Clips
3/8 Rod Diameter
Right Side
OE:20158344,378668,469718


25

716320
Trim Panel Clips
19mm Head; 34mm Overall Len.
1.75-20mm Panel Range
Fits: 7mm Hole
Natural Nylon
OE:1699250


25

717238
Door Hinge Bushings
5/16 ID
1/2 OD
23/64 Height
Splined OD
OE:20429500



1

724872
Door Hinge Pin & Bushing Kit
Repairs One Hinge
Greaseable Stainless Steel
OE:19260056

GM

GM

Illustrations are actual size unless otherwise noted.



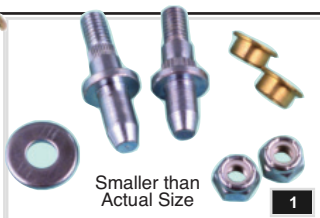
717256
Door Hinge Pins
4-5/32 Length
11/32 Dia.
15/32 Head OD
Zinc & Yellow
OE:12338015,14066728



717397
Door Hinge Pins
5-1/4 Length
11/32 Dia.
3/8 Shoulder OD
9/16 Head OD
OE:15591860,15691595,
15967691,88891731



720999
Door Hinge Pins
4-1/8 Length
11/32 Dia.
3/8 Shoulder OD
1/2 Head OD
OE:15653790



723290
GM Truck Door Hinge Pins & Bushing Repair Kit
OE:89025539



724876
Door Hinge Roller Kit
Repairs One Hinge
Greaseable Stainless Steel
OE:19260063



717364
Side Dr Lower Hinge Bushings
25-64 ID
17/32 OD
23/64 Height
Splined OD
OE:15562609,15964972,
16632192



717363
Side Dr Upper Hinge Bushings
11/32 ID
43/64 OD
23/64 Height
Splined OD
OE:12338074,15691493,
15964971,16632193



724881
Hinge Pin & Bushing Kit
Repairs 2 Side Cargo Doors
Greaseable Stainless Steel
OE:19260663



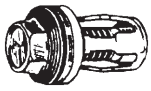
724883
Hinge Pin & Bushing Kit
Repairs 2 Hinges
Greaseable Stainless Steel
OE:19260061



724885
Hinge Pin Bushing & Bracket Kit
Repairs 1 Hinge
Greaseable Stainless Steel
W/bracket
OE:19260060



724886
Hinge Pin Bushing &
Repairs 1 Hinge
Greaseable Stainless Steel
W/bracket
OE:19260058



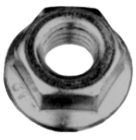
717033
Expansion Nut Kits
1/4-20 Screw & Nut
Rear View Mirror
5/8 Washer OD
3/8 Hex
OE: 14007510, 367292, 474821



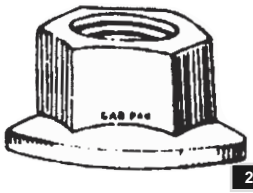
716895
Flange Nuts
M5-.80
8mm A/F
Metric Hex Washer Nuts
Black Oxide
OE:11502722



717260
Flange Nuts
M6-1.00
10mm A/F
Metric Hex Washer Nuts
Phosphate
OE:11503745



717270
Flange Nuts
M8-1.25
13mm A/F
Metric Hex Washer Nuts
Phosphate
OE:11501889,11502609,
11507036



717287
Flange Nuts
M10-1.50
15mm A/F
21mm Washer Dia.
Metric Hex Washer Nuts
OE:11501850

Illustrations are actual size unless otherwise noted.



12

716776
Body Rack Mounting Jack
5mm-1.00
15.88mm Head
11.1-11.43mm Hole
Zinc
OE:14007940



25

716887
Metric Hex Nuts
M6-1.00
16mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE: 11503752, 11505329, N90100001



25

717265
Metric Hex Nuts
M6.3-1.00
16mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE: 11500747, 11501106



25

717475
Metric Hex Nuts
M6-1.0
16mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE: 11503753



25

717477
Metric Hex Nuts
M6.3-1.0
19mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE:11500371



25

717478
Metric Hex Nuts
M8-1.25
24mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE: 11500401, 11503695, N621940



25

720304
Metric Hex Nuts
M8-1.25
28mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE:11502635



50

717485
Stamped Hex Nuts
5mm X 10mm
15mm Flat Washer
Self Threading W/o Sealer
Zinc & Yellow
OE:11501932,15002519



50

720327
Stamped Hex Nuts
4mm X 9mm
15mm Faceted Washer
Self Threading W/sealer
Zinc & Yellow
OE:11502540



50

503157
Push Nut Retainers
8mm Bolt
25mm OD
Bumper Strip
Zinc
OE:10009923



50

503158
Push Nut Retainers
10mm Bolt
24mm OD
Bumper Bar Bolt
Dacromet
OE:11501849



50

503159
Push Nut Retainers
14mm Bolt
25mm OD
Bumper Rub Strip
Zinc
OE:11504119



50

717490
Push Nut Retainers
3.2mm Bolt
9.5mm OD
Zinc
OE:11502794



50

717491
Push Nut Retainers
4mm Bolt
11mm OD
Phosphate
OE:11501937



50

717492
Push Nut Retainers
5mm Bolt
11mm OD
Zinc
1978-on Gm
OE:11501927



50

717493
Push Nut Retainers
6mm Bolt
13mm OD
Zinc
Gm
OE:11503736

GM

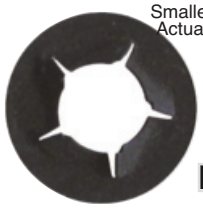
Illustrations are actual size unless otherwise noted.



50

717494
Push Nut Retainers
6.3mm Bolt
13mm OD
Zinc

OE:11503698



50

717495
Push Nut Retainers
8mm Bolt
16mm OD
Zinc

OE:1703731



10

724924
Retainers
Fits: 11mm
Head Size: 16mm
Stem Length: 16mm
Overall Length: 20mm

OE:11570830



12

724944
Grommets
Head Size: 13.5mm
Overall Length: 14mm
Door Glass To Regulator
Grommet

OE:25803643



10

724945
Grommets W/ Sealer
Head Size: 24mm
Stem Length: 22mm
Overall Hgt: 24.5mm
Tail Light

OE:11561987



10

724947
Grommets W/ Sealer
Fits: 7mm Hole
Head Size: 12mm X 14.5mm
Stem Length: 15mm
Trim Panel

OE:10351052



12

724948
Grommets W/ Sealer
Fits: 9mm Hole
Flange: 24mm
Stem Length: 12mm
Trim Panel

OE:11561500



10

724940
Specialty Grommets
Head Size: 15mm X 18mm
Stem Length: 23mm
M6.3 (1/4 Or No. 14) Screw Size
Rear Bumper Screw W/seal

OE:25704358



25

716793
Headlamp Bezel & Grille Nuts
12mm W, 12mm L
8 X 9mm Hole
5mm Screw
Natural Nylon

OE: 94841764, 90189-05013, MS-480002



10

724955
Specialty Inserts W/sealer
Size: M6-1.0
Head Dia: 13mm
Hex Size: 9.5mm
Grip Range: .5 - 4.2mm

OE:11609292



25

718604
Body Nuts
5/16 Round Hole
No. 8 Screw
Side Marker, Headlamp &
Header Panel, Natural Nylon

OE:14013246



100

702559
License Plate Nuts
3/8 Or 9mm
1/4 (No. 14) Or 6mm Screw
Nylon 4-prong Push-in
W/ Square Head

OE: 3907444, 4755299



10

724958
Front Fender Panel Nuts
Screw Size: M6-1.0
Overall Hgt: 12mm

Zinc Organic

OE:11610544



10

724941
Specialty Nuts
Screw Size: M6 - 1.0
Head Size: 13mm X 13mm
Stem Length: 8mm
Zinc

OE:11562503



10

724942
Specialty Nuts
Screw Size: M4.2-1.41 (No. 8)
Center Console, Door, Front
Lights, Grille, Instrument Panel,
Lift Gate

OE:11610157



12

724943
Specialty Push In Nuts
Screw Size: M4.2-1.41 (No. 8)
Head Size: 6mm X 16mm
Overall Hgt: 7mm
Front Bumper Specialty Nut

OE:11609952

Illustrations are actual size unless otherwise noted.



6

724554
Fender Bracket Retaining Nuts
M4.2-1.41 Screw

OE:11518531



25

716822
Extruded "U" Nuts
8mm-1.25 Screw
14mm Depth
1 - 1.8mm Panel Range

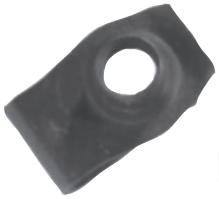
OE:20490398



25

717104
Extruded "U" Nuts
10-24 Thread Size
.025 - .125 Panel Range
15/32 Center Of Hole To Edge
Phosphate

OE:152273



50

717107
Extruded "U" Nuts
5/16-18 Thread Size
.025 - .150 Panel Range
5/8 Center Of Hole To Edge
Phosphate

OE:1494253,3786805



25

717274
Extruded "U" Nuts
10mm-1.50 Screw
1.0 - 6.00mm (.040 - .230) Panel
19mm (3/4) Center Of Hole To
Phosphate

OE: 11500662, 11503564,
22531616



25

717481
Extruded "U" Nuts
6.3mm-1.0 Screw
.80 - 4.00mm (.030 - .160) Panel
13.5mm (17/32) Center Of Hole
Phosphate

OE: 9433043, 11500658



12

717483
Extruded "U" Nuts
10mm-1.50 Screw
1.0 - 6.00mm (.040 - .230) Panel
19mm (3/4) Center Of Hole To
Phosphate

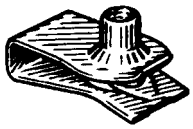
OE:11500662,11503564,
22531616



12

718261
Extruded "U" Nuts
6mm-1.0 Screw
.010 - .165 Panel Range
Non-locking

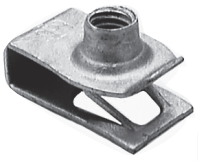
OE:11503957



25

720316
Extruded "U" Nuts
M5-.8 Screw
.80 - 4.00mm (.030 - .160) Panel
15.8mm (5/8) Center Of Hole To
Phosphate

OE:11500657



12

723204
Extruded "U" Nuts
M6-1.0 Screw
2.0 - 5.00mm (.079 - .197) Panel
14.5mm (9/16) Center Of Hole
Zinc Organic

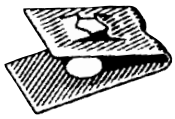
OE:11516372



12

724528
Extruded "U" Nuts
M4.2-1.41 (No. 8) Screw
.65 - 3.8mm (.025 - .150) Panel
9.5mm (3/8) Center Of Hole To Edge
Locking Thread

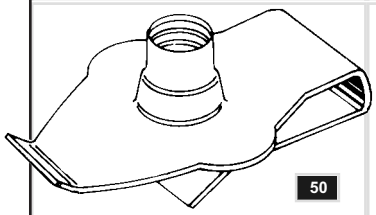
OE:11513599



25

716861
Bumper Impact Strip Fascia "U" Nuts
1/4 Stud

OE:10018611



50

718670
Sheet Metal Extruded "U" Nuts
6mm
0.8 - 1.6mm Panel Range
Fender & Front End

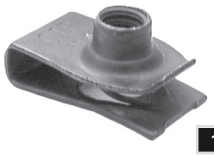
OE:14044215



50

720218
Wide Range "U" Nuts
8-18 Screw
.125 - .250 Panel Range
3/8 Center Of Hole To Edge
Phosphate

OE:9433156



12

720237
Wide Range Extruded "U" Nuts
1/4-20 Screw
.025 - .150 Panel Range
17/32 Center Of Hole To Edge
Phosphate

OE:1480627,1494252



12

724951
"U" Nuts
Panel Range: Up To 3.5mm
M5.5 (No. 12) Screw Size
8mm Center Of Hole To Edge
Blue Nylon

OE:9114472

GM

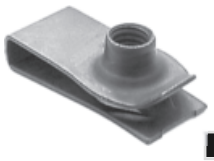
GM

Illustrations are actual size unless otherwise noted.



12

724952
"U" Nuts
Panel Range: Up To 2mm
M5.5 (No. 12) Screw Size
12mm Center Of Hole To Edge
Orange Nylon
OE:24449408



25

717262
Metric Extruded "U" Nuts
M6-1.0 Screw
.34 - 4.00mm (.015 - .160) Panel
19.5mm (25/32) Center Of Hole
Phosphate
OE: 11503715, 11508241, 11609385



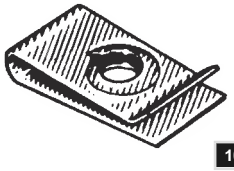
25

717266
Metric Extruded "U" Nuts
M6.3-1.0 Screw
.80 - 4.00mm (.030 - .160) Panel
13.5mm (17/32) Center Of Hole
Phosphate
OE:11502785,11503685, 11504035



100

511118
"U" Speed Nuts
No. 8 Screw Size
.025 - .040 Panel Range
1/4 Center Of Hole To Edge
Phosphate
OE:9428481



100

511120
"U" Speed Nuts
1/4-20 Screw Size
.064 - .125 Panel Range
9/16 Center Of Hole To Edge
Phosphate
OE:9431647



25

716819
"U" Speed Nuts
6.3mm Screw
14mm Depth
OE:11508248



25

716820
"U" Speed Nuts
4.2mm Screw
9mm Depth
OE:14015876



50

720216
"U" Speed Nuts
8-18 Screw
.025 - .150 Panel Range
OE:9431530



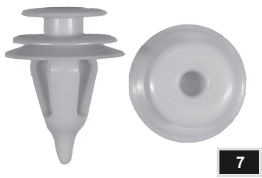
25

716303
Side Door Moulding Retainers
Bottom Head Dia: 3/8
Top Head Dia: 9/32
Stem Dia: 1/2
OE:20455900



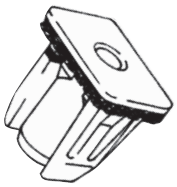
100

52616
Door Trim Panel & Headliner
Bottom Head Dia: 3/4
Top Head Dia: 11/16
Stem Dia: 5/16
Stem Length: 1/2
OE:2064891, 9818648, 9883583



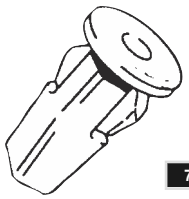
7

720776
Door Trim Panel & Lower
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 17mm
OE: 95008221, 67771-30090



6

724515
Tail Lamp Grommets W/sealer
Head Dia: 13 X 20mm
Overall Length: 19mm
Fits: 9 X 16mm Hole
Blue Nylon
OE:11561382,11610198



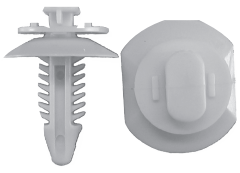
7

720630
Screw Grommets
16mm Flange
Fits: 9mm Square Hole
5.5mm Screw
Front & Rear Wheel Fender Liner
OE:94854203, 90189-06028



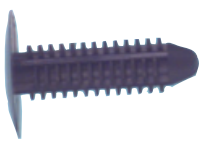
12

724930
Retainer Nuts
Overall Hgt: 7mm
13mm Hex
Grille Retainer Nut
Black Nylon
OE:11610748



25

716301
Side & Rear Door Trim
Bottom Head Dia: 3/4 X 7/8
Top Head Dia: 9/32 X 19/32
Stem Dia: 5/16
Stem Length: 3/4
OE:15588024,15596301



25

720371
Shield Retainers
Bottom Head Dia: 3/4
Top Head Dia: 5/16
Stem Dia: 1-1/16
Wiring Harn./hdliner/tailgate/air Cleanr
OE:15975244

Illustrations are actual size unless otherwise noted.



25

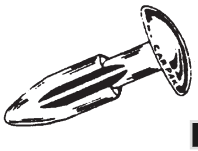
720372
Shield Retainers
Fits: 15/64 (6mm) Hole

OE:20709017



25

720376
Shield Retainers
Bottom Head Dia: 23/64
Top Head Dia: 3/16
Stem Dia: 7/16
Black Nylon
OE:10063599



25

718647
Drive Rivet Retainers
Fits: 5mm Hole
7mm Washer Face
Taillight Lens

OE:16500283



25

718654
Seat Back Retainers
Bottom Head Dia: 25/32
Top Head Dia: 5/16
Stem Dia: 15/16
Black Nylon
OE:20319841



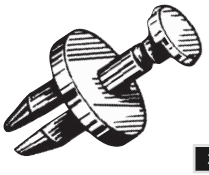
7

723317
Rocker Panel & Garnish
Head Dia: 20mm
Stem Dia: 8mm
Fits: 7mm Hole
Black Nylon
OE: 88970494, 88973676, 90467-07168



25

718734
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 15/16 (24mm)
Fits: 1/2 (12.7mm) Hole
Shoulder: 1/8(3.2mm)
OE:14101262



25

718739
Drive Type Rivet Retainers
Head Dia: 21/32 (16.7mm)
Stem Dia: 9/16 (14.3mm)
Fits: 5/16 (8mm) Hole
Rad Overflow/ Windshld Wash Bottle
OE:14019226,14071289



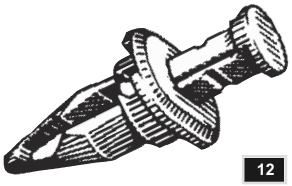
25

718744
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 1/2(12.7mm)
Fits: 1/8 (3.2mm)
Bumper Fascia
OE:22535007



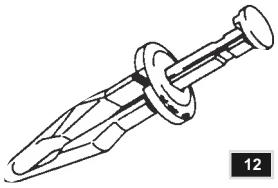
12

720333
Drive Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 23mm
Fits: 9.5mm (3/8) Hole
Front Bumper Fascia
OE:10157900,11517803, 15993201



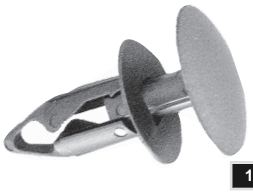
12

720335
Drive Type Rivet Retainers
14mm Stem Length
22mm Flange
Fits: 12.5mm Hole
Rear Bumper Fascia
OE:10082553



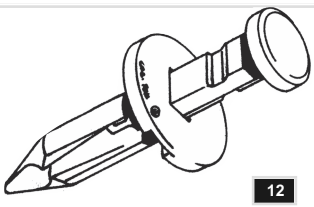
12

720585
Drive Type Rivet Retainers
Head Dia: 17/32 (13.5mm)
Stem Dia: 1-5/64 (27.5mm)
Fits:1/4 (6.4mm) Hole
Rear Door Radio Speaker
OE:15960621



12

720586
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 21mm
Fits: 9mm Hole
Rear Bumper Cover
OE:15153415



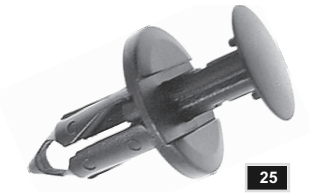
12

723308
Drive Type Rivet Retainers
Head Dia: 16.5mm
Stem Dia: 27mm
Fits: 8mm Hole
Bumper & Rear Wheel Apron
OE:15994165



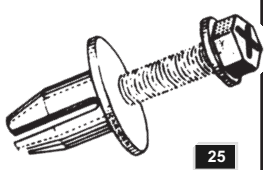
5

723368
Drive Type Retainers
Head Dia: 18mm
Stem Dia: 7.5mm
Fits: 7mm Hole
Front Fender Liner
OE:88970767,90467-10183



25

724133
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 20mm
Fits: 8mm Hole
Air Baffle To Under Carriage
OE:15969147,21030249, 6503598, N807389-S



25

718672
Screw Type Rivet Retainers
Head Dia: 43/64(17mm)
Stem Dia: 23/64 (18.3mm)
Fits: 5/16 (8mm) Hole
Front Compartment & Spare Tire
OE:20451119,63844-01A99

GM

GM

Illustrations are actual size unless otherwise noted.



718710
Screw Type Rivet Retainers
Head Dia: 9/16 (14mm)
Stem Dia: 5/8 (16mm)
Fits: 1/4 (6mm) Hole
Cowl Panel To Reinforcement
OE:94051993,66860-01W01



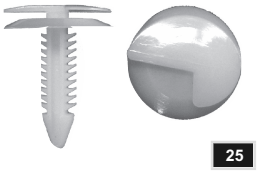
718720
Screw Type Rivet Retainers
Head Dia: 14mm
Stem Dia: 11mm
Fits: 7mm Hole
Black Nylon
OE:94198687,90467-06017-20, 90657-SA6-0030, N304-13-356-A



718721
Screw Type Rivet Retainers
Head Dia: 19/32 (15mm)
Stem Dia: 13/16 (20.6mm)
Fits: 5/16 (8mm) Hole
Black Nylon
OE:10053182



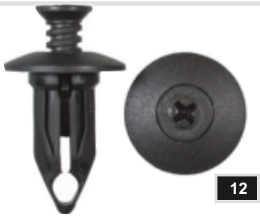
718725
Screw Type Rivet Retainers
21mm Washer Face
9-15mm Grip Range
Fits: 10mm Hole
Various Panel Attachments
OE:1633999



716317
Conduit To Sheet Metal
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 1-1/8
OE:20451401



718729
Front Bumper Fascia Rivet
Head Dia: 17mm
Stem Dia: 18mm
Fits: 9.5mm (3/8) Hole
Shoulder: 2mm
OE:1636632,20687704



720334
Rear Bumper Fascia Retainers
Head Dia: 27/32 (21mm)
Stem Dia: 1" (25mm)
Fits: 1/2 (12mm) Hole
Shoulder: 1/8(3mm)
OE:10140480,6502625



720580
Door Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 5mm Hole
Stem Dia: 9mm Hole
Natural Nylon
OE:10283414,10405030



721034
Front Air Deflector Retainers
30mm Flange, 24mm Stem
18 X 26mm Head
Black Nylon

OE:15733971



723358
Door Panel Retainers
4.5mm Trim Thk., 28.5mm O/L
19.5mm Up. Hd., 2.5mm Pnl Rng
Fits: 10mm Hole
Black Nylon
OE:11519030

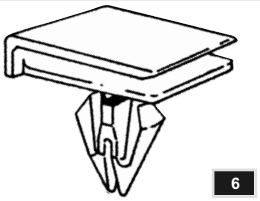


723364
Door Panel Retainers
3mm Trim Thk.
13mm Uppper Pin Head
24mm Flange
1mm P.r., 32mm Overall Length
OE: 10363811, 22699649, 22704458, 22713392, 22722859, 22722860

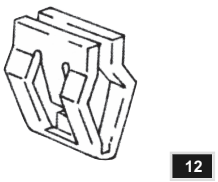


724188
Door Panel Retainers
25mm O/l; 18mm Head
1.5 - 11.5mm Panel Range
Fits: 7mm Hole

OE:11588863



724510
Rocker Moulding Retainers
Bottom Head Dia: 19/32 X 1-1/32
Top Head Dia: 3/4 X 1-1/32
Fits: 3/8 Hole
Stem Length: 9/16
OE:11589176



724513
Moulding Retainers
11mm Width; 14mm Length

Rear Bumper
OE:11561857



724877
Door Panel Retainers
Bottom Head Dia: 19.5mm
Top Head Dia: 24mm
Grommet Flange: 26mm
Stem Length: 12mm; Fits Into
OE:11571118



724878
Door Panel Retainers
Bottom Head Dia: 19.5mm
Top Head Dia: 24mm
Grommet Flange: 26mm
Stem Length: 12mm; Fits Into
OE:11571119

Illustrations are actual size unless otherwise noted.



724916
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 10mm
Stem Length: 14mm
OE:11561654



724918
Retainers
Bottom Head Dia: 17mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 14mm
OE:13252119



724919
Retainers
Bottom Head Dia: 17mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 13mm
OE:13252118



724920
Retainers
Top Head: 12mm
Bottom Head: 17mm X 34mm
Stem Length: 15mm
Rear Hatch Sill Plate Retainer
OE:11609483



724927
Retainers
Bottom Head Dia: 17mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 14mm
OE:11610605



724928
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 14mm
Stem Dia: 9mm
Stem Length: 10mm
OE:10369649



724935
Retainers W/ Sealer
Bottom Head Dia: 18.5mm
Top Head Dia: 19.5mm
Stem Dia: 11mm
Stem Length: 16mm
OE:15931605



724936
Retainers
Bottom Head Dia: 17mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 14mm
OE:11610606



724937
Retainers
Fits: 10 X 10.5mm Hole
Head Size: 18mm X 20mm
Stem Dia: 30mm
Overall Length: 32mm
OE:13365058



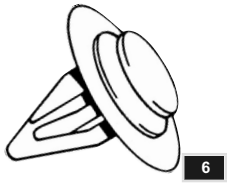
724954
Interior Trim Retainers
Bottom Head Dia: 20mm
Top Head Dia: 19mm
Stem Dia: 9mm
Stem Length: 19mm
OE:11562568



720807
Trim Brd Retainer Frnt & Rear Door
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:30006620, 95008221, 67771-12050



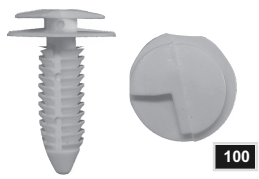
724111
Cowl Vent Retainers W/ Sealer
Bottom Head Dia: 16mm
Top Head Dia: 13mm
Stem Dia: 8mm
Stem Length: 13mm
OE:5482103



724514
Tailgate MIding Retainer W/ Sealer
Head Dia: 13mm
Overall Length: 20mm
Fits: 9mm
Flange: 25mm
OE:22691056



724950
Trim Panel Retainers W/ Sealer
Bottom Hd Dia: 12mm X 16mm
Top Head Dia: 15mm
Stem Dia: 5mm
Stem Length: 34mm
OE:10350983



716315
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 5/8
Stem Dia: 5/16
Stem Length: 1”
OE:363137



716316
Dash Panel Retainers
Bottom Head Dia: 7/16
Top Head Dia: 3/16
Stem Dia: 5/8
Black Nylon
OE:25016383

GM

Illustrations are actual size unless otherwise noted.



716322
Scrn Shroud Vent - Grille Retainer
Bottom Head Dia: 19/32
Top Head Dia: 7/32
Stem Dia: 3/4
Black Nylon
OE:20514862



716336
Door Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 21/32
Stem Dia: 5/16
Stem Length: 3/4
OE: 12337920, 20374473



716338
Door Trim Panel Retainers
Bottom Head Dia: 23/32
Top Head Dia: 5/16
Stem Dia: 5/8
White Nylon
OE:20429451



716339
Trim Panel Retainers
Bottom Head Dia: 1/2
Top Head Dia: 9/32
Stem Dia: 3/4
Black Nylon
OE:411700



716342
Rear Quarter Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 11/16
OE:20480475



716344
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 18mm
Stem Dia: 8mm
Stem Length: 13mm
OE:10287971



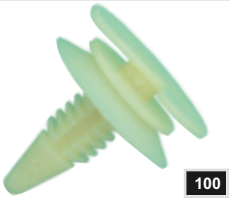
716351
Rear Hood Seal Retainers
Bottom Head Dia: 3/4
Top Head Dia: 5/16
Stem Dia: 1-3/8
Black Nylon
OE:14074081



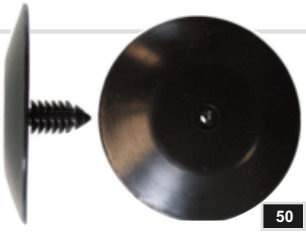
716352
Hood Seal Retainers
Bottom Head Dia: 19/32
Top Head Dia: 5/16
Stem Dia: 2”
Natural Nylon
OE:22527720



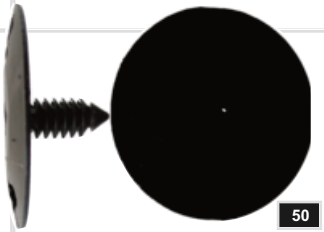
716356
Door Trim Panel Retainers
OE:20430421



717163
Door Trim Panel Retainers
Bottom Head Dia: 7/8
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 3/4
OE:3065575



717320
Hood Insulation Retainers
Bottom Head Dia: 2”
Top Head Dia: 5/16
Stem Dia: 3/4
Black Nylon
OE:3078511, 3977775



718615
Hood Insulation Retainers
Bottom Head Dia: 1-21/32
Top Head Dia: 5/16
Stem Dia: 3/4
Black Nylon
OE:20064875



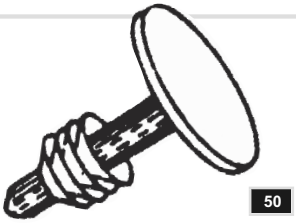
718616
Hood Insulation Retainers
Bottom Head Dia: 1-3/8
Top Head Dia: 5/16
Stem Dia: 15/16
Black Polypropylene
OE:20030401



718618
Radiator Apron Panel Retainers
Bottom Head Dia: 1”
Top Head Dia: 7/16
Stem Dia: 13/16
Black Nylon
OE:1619321

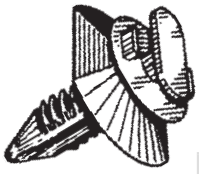


718627
Rubber Mat Fastener Retainer
Bottom Head Dia: 1”
Top Head Dia: 9/32
Stem Dia: 1-7/16
Black Nylon
OE:14027471



718656
Front Fender Flap Retainers
OE:1690410

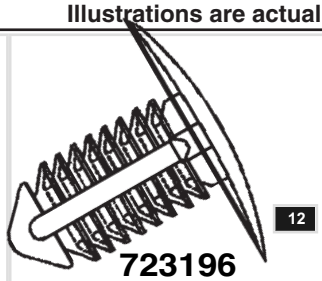
Illustrations are actual size unless otherwise noted.



718657
Door Trim Panel Retainers
Bottom Head Dia: 3/4 X 7/8
Top Head Dia: 9/32 X 19/32
Stem Dia: 5/16
Stem Length: 3/4
OE:10073833,15600382, 20421800



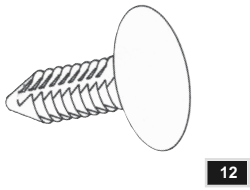
720632
Hood Insulation Retainers
Bottom Head Dia: 25mm
Top Head Dia: 9mm
Stem Dia: 10mm
Black Nylon
OE:88970747,94858509, 90467-09050



723196
Strut Mounting Retainers
Bottom Head Dia: 15/16
Top Head Dia: 3/8
Stem Dia: 3/4
Engine Compart. & Front End
OE:22189414



724153
Door Panel Retainers
Bottom Head Dia: 25/32
Top Head Dia: 11/16
Stem Dia: 5/16
Stem Length: 13/16
OE:10305191



724237
Fnder Apron - Rad. Baffle Retainer
Bottom Head Dia: 1”
Top Head Dia: 11/32
Stem Dia: 3/4
Black Nylon
OE:24501057



724915
Headliner Retainers
Bottom Head Dia: 25mm
Top Head Dia: 8mm
Stem Dia: 58mm
Opal Gray Nylon
OE:25822063



724917
Fender & Headliner Retainers
Bottom Head Dia: 25.4mm
Top Head Dia: 8mm
Stem Dia: 27mm
Black Nylon
OE:15802005



724921
Retainers
Bottom Head Dia: 28mm
Top Head Dia: 8mm
Stem Dia: 17mm
Black Nylon
OE:15989431



724922
Retainers
Bottom Head Dia: 30mm
Top Head Dia: 7.8mm
Stem Dia: 15mm
Black Nylon
OE:11571159



724926
Retainers
Bottom Head Dia: 25mm
Top Head Dia: 5.8mm
Stem Dia: 25.5mm
Black Nylon
OE:11610747



724929
Retainers
Bottom Head Dia: 33mm
Top Head Dia: 8mm
Stem Dia: 41mm
Light Gray Nylon
OE:89026634



724931
Hood Insulation Retainers
Bottom Head Dia: 45mm
Top Head Dia: 9.5mm
Stem Dia: 20mm
Tan Nylon
OE:25749564



724932
Headliner Retainers
Bottom Head Dia: 25mm
Top Head Dia: 8.5mm
Stem Dia: 37mm
Tan Nylon
OE:10444839



724933
Headliner Retainers
Bottom Head Dia: 25mm
Top Head Dia: 7.5mm
Stem Dia: 22mm
Tan Nylon
OE:15944588



724934
Retainers
Bottom Head Dia: 33mm
Top Head Dia: 8mm
Stem Dia: 41mm
Tan Nylon
OE:89026635



724949
Trim Panel Retainers
Bottom Head Dia: 19mm
Top Head Dia: 7mm
Stem Dia: 22mm
White Nylon
OE:11561499

GM

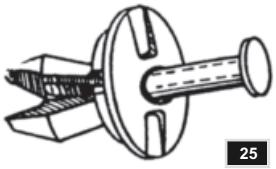
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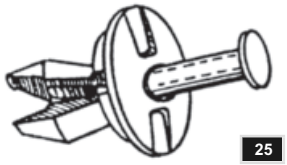
724953
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 16.5mm
Stem Dia: 10mm
Stem Length: 15mm
OE:11569700



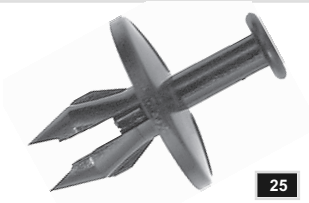
718644
Fascia Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 3/4 (19mm)
Fits: 1/2 (12.7mm) Hole
Shoulder: 1/8(3.2mm)
OE:5973400



718645
Push Pin Type Rivet Retainers
22mm Washer Face
Fits: 9.5mm Hole
Rear Bump. Energy Absorb. Strip
OE:5973823



718646
Fascia Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 7/8 (22mm)
Fits: 1/2 (12.7mm) Hole
Shoulder: 1/4(6.4mm)
OE:5973996



718662
Fascia Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 23/32 (18.3mm)
Fits: 3/8 (9.5mm) Hole
Black Nylon
OE:14045480



718740
Push Type Retainers
Head Dia: 21/32 (16.7mm)
Stem Dia: 19/32(15mm)
Fits: 5/16 (8mm) Hole
Black Nylon
OE:14039420



718742
Push Type Retainers
Head Dia: 19/32 X 3/4 (15 X
Stem Dia: 19/32(15mm)
Fits: 5/16 (8mm) Hole
Black Nylon
OE:14032200



718743
Push Type Retainers
8 X 27mm Head
Fits: 8mm Hole
Grille Attachment
OE:14015161,175-853-695A



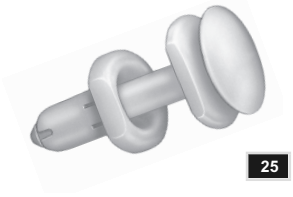
720025
Screw Type Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8(22mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:22538004



720550
Push Type Retainers
Head Dia: 18mm
Stem Dia: 23mm
Fits: 9mm Hole
Bumper Cover
OE:94853733,90467-09101



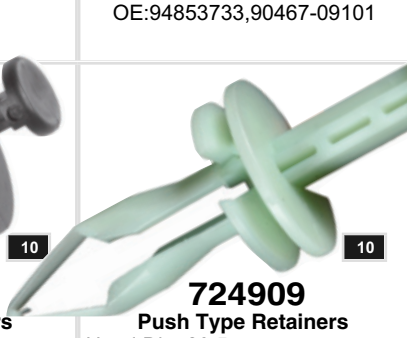
720917
Push Type Rivet Retainers
Head Dia: 19/32 (15mm)
Stem Dia: 3/4 (19mm)
Fits: 1/4 (6.4mm) Hole
Wheel Opening Moulding
OE:21077123



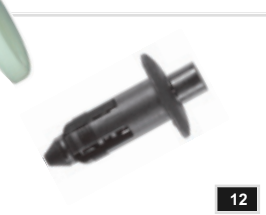
724129
Push Type Retainers
Head Dia: 9/16 (14.3mm)
Stem Dia: 41/64 (16.3mm)
Fits: 1/4 (6.4mm) Hole
Door Trim Panel
OE:15960325



724908
Push Type Retainers
Head Dia: 25mm
Stem Dia: 29mm
Fits: 7mm Hole
Black Nylon
OE:11561874, 622A2-9E000, 622A2-9E000A



724909
Push Type Retainers
Head Dia: 23.5mm
Stem Dia: 36mm
Fits: 10mm Hole
Natural Nylon
OE:10426555



724910
Push Type Retainers
Head Dia: 12mm
Stem Dia: 14mm
Fits: 6mm Hole
Black Nylon
OE:22690838



724911
Push Type Retainers
Head Dia: 18mm
Stem Dia: 22mm
Fits: 6.5mm Hole
Black Nylon
OE:95230842

Illustrations are actual size unless otherwise noted.



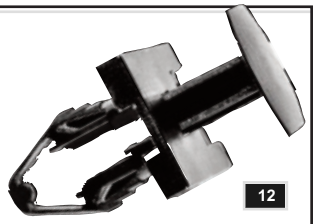
724912
Push Type Retainers
Head Dia: 18mm
Stem Dia: 20mm
Fits: 6.3mm Hole
Black Nylon
OE:11611110



724913
Push Type Retainers
6mm Stud Size
Fender, Quarter Panel & Grille
24mm OD
Zinc
OE:11588441



724914
Push Type Retainers
Head Dia: 26mm
Stem Dia: 12mm
Fits: 10mm Hole
Black Nylon
OE:22718369



724959
Push Type Retainers
Head Dia: 14mm X 21mm
Stem Dia: 16mm
Fits: 8mm Hole
Front & Rear Bumper Fascia
OE:92139147



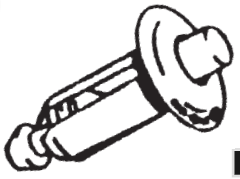
716343
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:95005064,67771-01010



720379
Weatherstrip Retainers
Bottom Head Dia: 7/16
Top Head Dia: 7/32
Stem Dia: 5/16
Black Nylon
OE:10169777



720677
Headlight Retaining Rivets
1/4 (m6.3) Rivet
19/32 Flange
13/32 Shoulder
Steel Body / Mandrel
OE:15022087



723013
Drive Type Rivets - Push To Release
Head Dia: 16mm
Stem Dia: 12mm
Fits: 7mm Hole
Liftgate Uppr Window & Lwr Garn. Moulding
OE:11517824,21035345



723031
Drive Type Rivets
Head Dia: 18mm
Stem Dia: 13mm
Fits: 7.5mm X 7.5mm Hole
Cowl Vent
OE:10301966,10425306



724109
Ergo-Tuflok Drive Rivets
Head Dia: 19mm
Stem Dia: 14mm
Fits: 8.5mm Hole
Fender Apron
OE:11609417



724116
Drive Type Rivets
Head Dia: 20mm
Stem Dia: 28mm
Fits: 8mm Hole
Bumper Fascia
OE:11519807,21095797



724138
Ergo-Tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 20mm
Fits: 6.5mm Hole
Air In. Grll, Bump Fascia & Fnt Brak Caliper Cool Duct
OE:11589290



724139
Ergo-Tuflok Drive Rivets
Head Dia: 20mm
Stem Dia: 22mm
Fits: 8.5mm Hole
Cowl Vent & Fender
OE:11589293,W712196-S300



724140
Ergo-Tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 20mm
Fits: 9.5mm Hole
Fender, Wheel & Bumper
OE:11561368,6508712AA



724205
Ergo-Tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 17.5mm
Fits: 6.5mm Hole
Air Dist. & Windshield Defroster
OE:11589289,6508863AA



724206
Ergo-Tuflok Drive Rivets
Head Dia: 18mm
Stem Dia: 22mm
Fits: 6.5mm Hole
Air Dam & Grille
OE:11589291,W713331-S300

GM

GM

Illustrations are actual size unless otherwise noted.



724207
Ergo-Tuflok Drive Rivets
Head Dia: 19mm
Stem Dia: 16mm
Fits: 8mm Hole
Fascia & General Purpose
OE:15296830,5116530AA



724208
Ergo-Tuflok Drive Rivets
Head Dia: 20mm
Stem Dia: 20mm
Fits: 8.5mm Hole
Bumper Fascia, Flares & Air Dam
OE:11589292



724209
Ergo-Tuflok Drive Rivets
Head Dia: 20mm
Stem Dia: 24mm
Fits: 8.5mm Hole
Bumper Fascia, Fender & Toe/floor Pnl
OE:11589294



724211
Ergo-Tuflok Drive Rivets
Head Dia: 25mm
Stem Dia: 23mm
Fits: 10.5mm Hole
Panel Attachment & General Purpose
OE:11589296



723019
Peel Type Rivets
1/4 (m6.3) Rivet
Grip Range: .188-.250
1/2 Flange
Window Regulator
OE:9437643



724012
Rear Bumper Blind Rivets
4mm (5/32) Rivet
Grip Range: 0.187 - 0.472 (5 - 12mm)
0.325 (8.25mm) Flange
Aluminum Body/mandrel
OE:12531204



724555
Nylon Rivets
Flange Dia: 21/32 (m16.5)
Dia: 1/4 (m6.3)
5/32 - 3/8 (4 - 10mm) Grip Range
Black
OE:15614746



724907
Rivets
Fits: 4.95mm
Panel Range: 3mm - 6mm
Blind
Black Nylon
OE:11588308



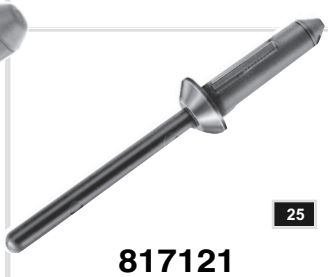
817112
Nylon Blind Rivets
17/64 (6.75mm) Hole Dia.
Grip Range: 3/32-3/16 (2.5-4.75mm)
1/2 (12.5mm) Head Dia.
Automotive OEM Approved
OE:15595172,20421672



817113
Nylon Blind Rivets
17/64 (6.75mm) Hole Dia.
Grip Range: 3/32-3/16 (2.5-4.75mm)
23/32 (18mm) Head Dia.
Automotive OEM Approved
OE:20433026,175-853-577A



817119
Nylon Blind Rivets
6.75mm Hole Dia.
Grip Range: 1.0 - 4.0mm Grip Range
20.5mm Head Dia.
Automotive OEM Approved
OE:10069112



817121
Nylon Blind Rivets
3/16 (4.75mm) Hole Dia.
Grip Range: 1/16-11/64 (1.5-4.5mm)
11/32 (9mm) Head Dia.
Automotive OEM Approved
OE:20612732



817123
Nylon Blind Rivets
15/64 (6mm) Hole Dia.
Grip Range: 11/64-11/32 (4.5-8.5mm)
1/2 (12.5mm) Head Dia.
Automotive OEM Approved
OE:25524005



817124
Nylon Blind Rivets
15/64 (6mm) Hole Dia.
Grip Range: 5/32-5/16 (4-8mm)
5/8 (16mm) Head Dia.
Automotive OEM Approved
OE:10036503



817129
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:15506827



817130
Nylon Blind Rivets
9/32 (7mm) Hole Dia.
Grip Range: 3/32-15/64 (2.5-6mm)
23/32 (18mm) Head Dia.
Automotive OEM Approved
OE:10109689,12337915

Illustrations are actual size unless otherwise noted.



527101
Special Rivets
Dia.: 1/4
Grip Range: 7/64 To 11/64
1/2 Flange Dia.
Body: Aluminum
OE:20713843



527105
Special Rivets
Dia.: 1/4
Grip Range: 5/64 To 5/16
1/2 Flange Dia.
Body: Aluminum
OE:10157547



527108
Special Rivets
Dia.: 3/16
Grip Range: 1/4 To 3/8
5/8 Flange Dia.
Body: Steel
OE:9439719



527110
Special Rivets
Dia.: 3/16
Grip Range: 5/64 To 15/64
3/8 Flange Dia.
Body: Aluminum
OE:10125439



527111
Special Rivets
Dia.: 1/8
Grip Range: 1/8 To 3/16
3/8 Flange Dia.
Body: Aluminum
OE:9432552



527112
Special Rivets
Dia.: 3/16
Grip Range: 1/8 To 3/16
3/8 Flange Dia.
Body: Steel
OE:9439576



527113
Special Rivets
Dia.: 3/16
Grip Range: 1/8 To 1/4
3/8 Flange Dia.
Body: Steel
OE:9440392



527114
Special Rivets
Dia.: 1/8
Grip Range: 1/8 To 3/16
5/16 Flange Dia.
Body: Aluminum
OE:20325696



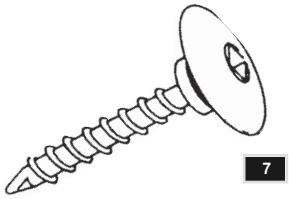
720667
Rivets
3/16 Rivet
3/8 Flange Dia.
Door Handle
1/16 - 7/64 Grip Range
OE:22585836,22641917



723202
Blind Peel Type Rivets
1/4 (m6.3) Rivet
Grip Range: .126-.250 (3.2-6.3mm)
1/2 (12.7mm) Flange
Door Window Regulator
OE:2024778



724013
Bumper Blind Rivets
3/16 (4.8mm) Rivet
Grip Range: .251 - .375 (6.4 - 9.5mm)
5/8 (15.9mm) Flange
Steel Body/ Mandrel
OE:9433186



720754
Square Drive Truss Head
7.5mm X 34.5mm
22mm Head
Attaches Foam To Bumper
Black Nylon
OE:25631448, 6503401, 6503819



717034
Truck Mirror Mounting Screws
1/4-20 X 1
Outside Mirror
5/8 Washer OD
3/8 Hex
OE:367291

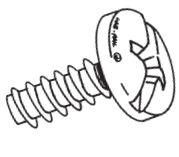


724870
Bumper Fascia Screws
Head Size: 22mm
M9.5 X 46mm Square Drive

Black Nylon
OE:25705182



702555
License Plate Screws W/ Nuts
No. 10 X 5/8
1/4 Square Hole
Slotted Washer Head
Nylon
OE:3783006



723028
License Plate Screws
1/4-14 X 5/8
Combo Phillips/ Slotted Pan Hd
Type B Point

OE:9423101

GM

Illustrations are actual size unless otherwise noted.



25

724146
License Plate Screws
6.3mm-1.81 X 20mm
Phillips/slotted Combo Truss Hd
W/ Type AB Point

OE:25732397



25

718932
Tapping Screws
4.2mm-1.41 X 20mm
20mm Washer
7mm A/F
Indented Hex Head W/ Type AB Point
OE:14090382



50

718959
Tapping Screws
4.2mm-1.41 X 15mm
12mm Washer
Phillips Pan Hd W/ Type B Point

OE:11503499



50

723355
Tapping Screws
6.3mm-1.81 X 25mm
10mm A/F
17mm Sems
Indented Hex Head W/ Type AB Point
OE:11500996,11505023



50

723356
Tapping Screws
6.3mm-1.81 X 20mm
10mm A/F
17mm Sems
Indented Hex Head W/ Type AB Point
OE:11505022



25

724600
Tapping Screws
4.2mm-1.41 X 20mm
11mm (7/16) Head
Phillips Washer Head
Black Phosphate
OE:11501884



12

724946
Tapping Screws
Head Size: 15mm
M5.5 X 20mm
Torx Truss Head T-20
Black Zinc
OE:13144822



50

718942
Thread Cutting Screws
4.2mm-1.41 X 13mm
9mm Flange
7mm A/F
Indented Hex Head W/ Type B Point
OE:11505045



200

717103
Trim Screws
8-18 X 1/2
Quarter Wheel House Moulding
5/16 Washer Head OD
Phillips Washer Head
OE:588546



50

716219
Trim Screws
8 X 1/2
13/32 Head Dia.
Phillips Round Washer Head
Black Phosphate
OE:20423550, 381801-S2,
390017-S2



716222
Trim Screws
8 X 1/2
11/32 Head Dia.
Phillips Round Washer Head
Chrome
OE:11503289, 388020-S47X



50

718813
Drill Point Moulding Screws
4.2-1.41 X 16mm
11mm Head Dia.
Phillips Metric Round Washer
Zinc & Black
OE:1746408



25

717450
Tapping Screws
4.2mm-1.41 X 20mm
16mm Washer
Indent. Hex Hd W/ Attached Washer
Phosphate
OE:11502449



25

717451
Tapping Screws
4.2mm-1.41 X 20mm
12mm Washer
7mm Hex
Indent. Hex Hd W/ Attached Washer
OE:11500434, 11503892,
1640810



50

716224
Trim Screws
8-18 X 1/2
No. 6 Phillips Flat Head
Phillips Flat Head W/ Sealer

OE:9428196



200

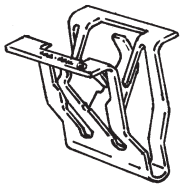
717182
Reveal Mlding To Panel Trim Screw
8 X 1/2
7/16 Washer Head
Phillips Washer Head W/ Teks Point
Zinc
OE:1689827

Illustrations are actual size unless otherwise noted.



1

720998
Door Roller Pin Assembly
5-1/16 Length
25/64 Diameter
3/4 Roller OD
5/8 Roller Groove Diameter
OE:15672183



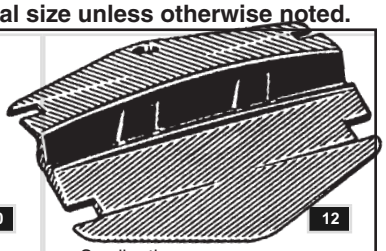
12

723029
Garnish Moulding Fasteners
1/2 X 1/2 X 5/8
Scuff Plate Retainer
Interior Door Opening Trim
Zinc & Yellow
OE:15748479



10

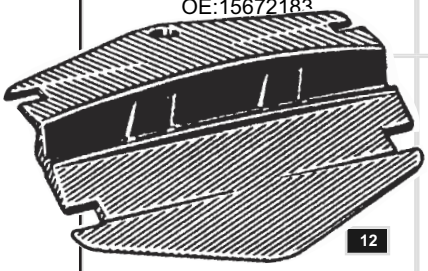
724879
Fasteners
3/16 Width
Overall Length: 15/16
Door, Interior Trim
Instrument Panel
OE:15683327



12

Smaller than Actual Size

716101
Window Guides
Front Door
OE:10051034,10114597,12338011,20123070,20328600



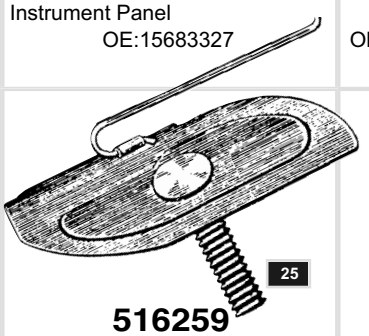
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716119
Window Guides W/gaskets
Front Door
OE:10051034,10114597,12338011, 20123070, 20328600



6

724232
Windshield Garnish, Interior Trim Panel
Bezels & Scuff Plate Clips
OE:11588650



25

516259
T-bolt Clips
10-24 X 3/4 Bolt
5/8 X 1-7/8 Plate
Gm & Chrysler
OE:3744999,1758099,6000720, 6010046



25

717166
Door Hinge Bushings
5/16 ID
13/32 OD
9/32 Height
OE:9721917,D1AZ-6522841A



50

718899
License Plate Nuts
No. 6 Or 8 Screw
Headlight Bezel
Natural Nylon
OE: 380382, 4000141



25

718423
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Splash Shield & Fascia
OE: 14093088, N802781-S



25

718679
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:20510029,34202672, N803362-S



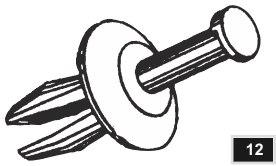
25

718728
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 5/8 (16mm)
Fits: 1/4 (6.4mm) Hole
Cowl Ldge, Wtherstrip & Fnder Liner
OE: 472434, 480534, 387843-S, 6031390



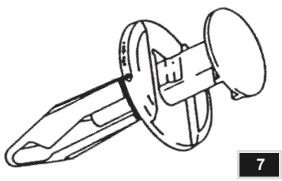
25

718733
Drive Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 23mm
Fits: 6mm Hole
Fascia
OE:15681408,N803709-S



12

723025
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits:1/4 (6.4mm)
Frnt Fender Mud Skirt & Fender Liner
OE: E3DZ-14A163A, 14019205, 14019206,16514113, 34201621, 6504090, 8934-201-621



7

723309
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 26mm
Fits:8mm Hole
Bumper Cover & Fender Shield
OE:11518017,W708530-S300



25

724210
Ergo-tuflok Drive Rivets
Head Dia: 25mm
Stem Dia: 20mm
Fits: 10.5mm Hole
Fnder, Flare, Gas Tank & Panel Attach.
OE:11589295,5GUU9K11BA, W712665-S300

GM

Illustrations are actual size unless otherwise noted.



718718
Screw Type Rivet Retainers
Head Dia:15/32 X 15/32 (12 X 12mm)
Stem Dia: 21/32 (16.7mm)
Fits:1/4 X 1/4 (6.4mm X 6.4mm)
Fascia, Trim & Grille
OE:15679091,N803494-S



720669
Screw Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 11/16 (17.5mm)
Fits:1/4 (6.4mm) Hole
Black Nylon
OE:10139822, 25680782, N808147-S



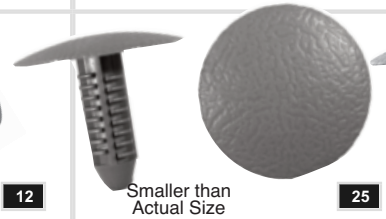
716329
Hood Seal Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7.5mm
Stem Dia: 11mm
Black Nylon
OE:94842841, 94849113, 90467-08004, 90467-08011



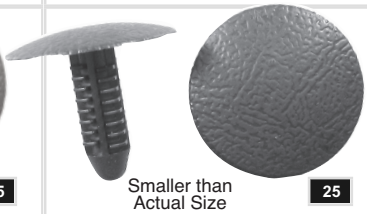
723212
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:20003056, 6505759AA



723231
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:20003056, 6505759AA



716305
Trim Panel & Hood Insulation
Bottom Head Dia: 25mm
Top Head Dia: 8mm
Stem Dia: 20mm
Gray Nylon
OE:22718305, N802734-S



716306
Trim Panel & Hood Insulation
Bottom Head Dia: 25mm
Top Head Dia: 8mm
Stem Dia: 20mm
Black Nylon
OE:22718305, N802734-S



716309
Bumper Fascia Retainers
Bottom Head Dia: 22mm
Top Head Dia: 11mm
Stem Dia: 28mm
Black Nylon
OE:1631564, N804379S



716319
Shield Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 5/8
Fender & Bumper
OE:14093311,20732399,332364, 3691590,389358,4004569,6031321



716323
Front End Stone Shield
Bottom Head Dia: 7/8
Top Head Dia: 7/16
Stem Dia: 13/16
Black Nylon
OE: 22512276, 6503221



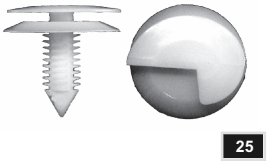
716333
Retainers
Bottom Head Dia: 3/4
Top Head Dia: 9/32
Stem Dia: 1/2
Black Nylon
OE: 20032850, 3861577, 387258-S



716337
Door Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 1/2
Stem Dia: 5/16
Stem Length: 5/8
OE:21042958,N-802900



717130
Shield Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 13/16
Radiator Yoke, Fender & Bumper
OE: 15958694,1605396, 388577-S, 6030441, 6036007AA, 6502078 W705589-S300



718230
Door Trim Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 11/16
OE: 9685057, 385661-S, 4005470, 6003349, 6032363, N98905101



720377
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 11/32
Stem Dia: 7/8
Sliding Door & Lift Gate
OE: 21094146, 6501301



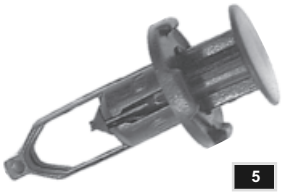
723024
Bumper Fascia Retainers
Bottom Head Dia: 25mm
Top Head Dia: 13mm
Stem Dia: 15mm
Black Nylon
OE:15056810, 6505686AA

Illustrations are actual size unless otherwise noted.



25

718730
Push Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits:1/4 (6.4mm) Hole
Front Fender Mud Skirt & Fender Liner
OE: 14019205, 14019206, 16514113, 34201621, 6504090, 8934-201-621, E3DZ-14A163A



5

720782
Push Type Retainers
Head Dia: 18mm
Stem Dia: 28mm
Fits:9mm Hole
Rear Bumper Cover
OE:94858560,52161-02020, 52161-16010



12

724603
Push Type Retainers
Head Dia: 15mm
Stem Dia: 20mm
Fits:8mm Hole
Rocker Panel, Whl Liner & Air Inlet Duct
OE: 11561878, 21075686, F3LY-14570-B



25

716424
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 6mm
Stem Dia: 12mm
Black Nylon
OE:20699808, 6502328



25

717212
Weatherstrip Retainers
Bottom Head Dia: 3/16 X 1/2
Top Head Dia: 3/16
Stem Dia: 7/16
Black Nylon
OE:4876498



25

724606
Weatherstrip Retainers
Bottom Head Dia: 1/4 X 21/32
Top Head Dia: 1/4
Stem Dia: 15/32
White Nylon
OE:21077575, 4696129



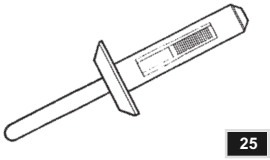
12

723182
Blind Rivets
4mm (5/32) Rivet
Grip Range: 1.0-7.5mm (.040-2.75)
8mm (5/16) Flange
Aluminum Body/mandrel
OE:10131511,6034212, N807620-S100



25

817105
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/16-11/64 (1.5-4.5mm)
15/32 (12mm) Head Dia.
Automotive OEM Approved
OE:20423647,N804189-S



25

817106
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/8-15/64 (3-6mm)
15/32 (12mm) Head Dia.
Automotive OEM Approved
OE:20432975,175-853-577, 6500899



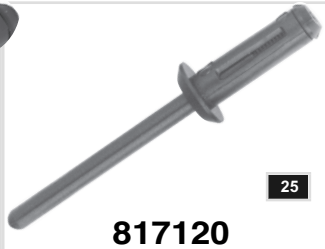
25

817110
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
21/32 (16.5mm) Head Dia.
Automotive OEM Approved
OE:14063981,6500911, 8934-201-631, N803043-S



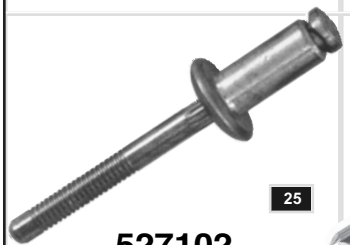
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817111
Nylon Blind Rivets
1/4 (6.3mm) Hole Dia.
Grip Range: 5/32-13/32 (4-10.5mm)
1/2 (12.5mm) Head Dia.
Automotive OEM Approved
OE:20452072,6501559, N803862-S



25

817120
Nylon Blind Rivets
13/64 (5mm) Hole Dia.
Grip Range: 1/8-5/32 (3-4mm)
11/32 (9mm) Head Dia.
Automotive OEM Approved
OE:20465395,6004212



25

527102
Special Rivets
Dia.: 1/4
Grip Range: 9/64 To 3/16
1/2 Flange Dia.
Body: Aluminum
OE:9437486,6032926



50

527109
Special Rivets
Dia.: 3/16
Grip Range: 5/64 To 15/64
7/16 Flange Dia.
Body: Aluminum
OE:25618730, N805592-S100



25

527117
Special Rivets
Dia.: 5/32
Grip Range: 1/8 To 3/16
5/16 Flange Dia.
Body: Aluminum
OE:9432137,6032138



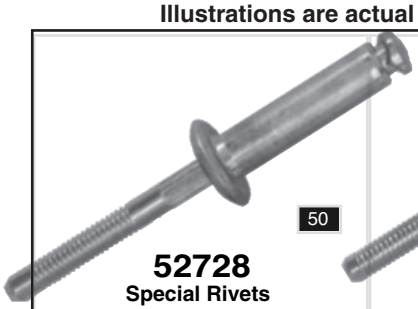
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52727
Special Rivets
1/4 Dia.
Grip Range: 1/32 To 9/64
Window Regulator, Glass
1/2 Flange Dia.
OE:9436175,004005791, 385189-S100, 6031115

GM

GM

Illustrations are actual size unless otherwise noted.



52728
Special Rivets
1/4 Dia.
Grip Range: 33/64 To 19/32
Window Regulator, Glass
1/2 Flange Dia.
OE:9437938, 385323-S100, 6031091



52729
Special Rivets
1/4 Dia.
Grip Range: 11/64 To 3/4
Window Regulator, Glass
1/2 Flange Dia.
OE:12338153, 20184399, 389268-S100



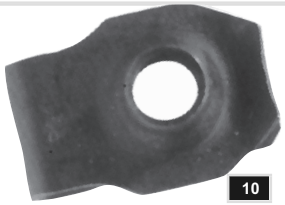
52791
Special Rivets
1/4 Dia.
Grip Range: 3/32 To 1/8
Window Regulator, Glass
1/2 Flange Dia.
OE:14078435, 388047-S100



717106
Extruded “U” Nuts
1/4-20 Thread Size
.025 - .150 Panel Range
25/32 Center Of Hole To Edge
Phosphate
OE:1494257,45267



717108
Extruded “U” Nuts
5/16-18 Thread Size
.025 - .150 Panel Range
7/8 Center Of Hole To Edge
Phosphate
OE: 10008002, 1494258, 45268-S2



717109
Extruded “U” Nuts
3/8-16 Thread Size
.050 - .200 Panel Range
3/4 Center Of Hole To Edge
Phosphate
OE:12337873, 1494254, 45265-S2



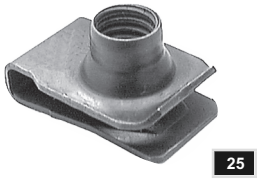
717482
Extruded “U” Nuts
8mm-1.25 Screw
.80 - 4.50mm(.030-.170) Panel Range
20mm(13/16) Center Of Hole To Edge
Phosphate
OE: 11500661, 11503317, 11516150, N623343-S2, N623343-S100



724602
Extruded “U” Nuts
M6-1.0 Screw
.80-4.00mm(.030 -.160) Panel Range
13.5mm(17/32)Cnter Of Hole To Edge
Phosphate
OE:1016937,11503957, N623332-S2, N623332-S53, N623332-S100



720217
Wide Range “U” Nuts
8-18 Screw
.025 - .150 Panel Range
5/8 Center Of Hole To Edge
Phosphate
OE: 11504531, 9433155, 381863-S2



717271
Metric Extruded “U” Nuts
M8-1.25 Screw
.80-4.00mm (.030 -.160) Panel Range
14.5mm (9/16) Hole Center To Edge
Phosphate
OE: 11500660,11502617, 6101283, N623333-S2

HYUNDAI

Illustrations are actual size unless otherwise noted.



12

725011
Moulding Clips W/ Sealer
Top Head: 12mm X 16mm
Bottom Head: 16mm
Stem Dia: 9.5mm
Stem Length: 10mm
OE:87703-H1000



12

725012
Moulding Clips W/ Sealer
Top Head: 10mm X 12mm
Bottom Head: 14mm X 20mm
Stem Dia: 14mm
Stem Length: 10mm
OE:87756-1F000



12

725013
Moulding Clips W/ Sealer
Top Head: 10mm X 12mm
Bottom Head: 13mm X 15mm
Stem Length: 11mm
Front Hood
OE:86360-3L000



12

725014
Moulding Clips W/ Sealer
Fits: 9mm Hole
Top Head: 16mm X 20mm
Bottom Head: 15mm
Rocker Moulding
OE:87756-37000



12

725015
Moulding Clips W/ Sealer
Top Head: 10mm X 12mm
Bottom Head: 13mm X 15mm
Stem Length: 11mm
Front Hood
OE:87758-39000



12

725016
Moulding Clips W/ Sealer
Top Head: 12mm X 15mm
Bottom Head: 14mm X 36mm
Stem Dia: 14mm
Stem Length: 10mm
OE:87770-27000



10

725017
Moulding Clips W/ Sealer
Top Head: 10mm X 12mm
Bottom Head: 14mm X 18mm
Stem Length: 10mm
White Nylon
OE:87758-35010



10

725018
Moulding Clips W/ Sealer
Top Head: 11mm X 15.5mm
Bottom Head: 16mm
Stem Length: 12mm
Rocker Moulding
OE:87702-H1000



10

725019
Moulding Clips W/ Sealer
Top Head: 16mm X 18mm
Bottom Head: 18mm X 20mm
Stem Length: 15mm
Blue Nylon
OE:87758-3L000



10

725020
Moulding Grommets
Head Size: 17mm X 25mm
Stem Length: 16mm
M4.2 (No. 8) Screw Size
Yellow Nylon
OE:87759-27000



25

725021
Moulding Retainers W/ Sealer
Screw Size: M3.5 (No. 6)
Head Size: 13mm X 13mm
Stem Dia: 12mm
Stem Length: 10mm
OE:87756-26900



10

725038
Screw Grommets
Head Size: 18mm
Stem Length: 21mm
M4.8 (No. 10) Screw Size
Natural Nylon
OE:86910-21010



12

725039
Screw Grommets W/ Sealer
Screw Size: M4.8 (No. 10)
Top Head: 14mm X 18mm
Bottom Head: 18mm
Stem Length: 18mm
OE:86625-3S000



10

725024
Nylon Nuts
Head Size: 13mm X 13mm
Stem Length: 10mm
M4.2 (No. 8) Screw Size
White Nylon
OE: 87714-FD200, 87756-1C000



12

725023
Nylon "U" Nuts
Panel Range: Up To 1.5mm
M6 (No. 14) Screw Size
8mm Center Of Hole To Edge
Black Nylon
OE:86825-28000



25

725036
Retainers
Overall Length: 21mm
Trim Panel & Dash Console Clip

White Nylon
OE:84747-2L000

HYUNDAI

Illustrations are actual size unless otherwise noted.



25

725022
Moulding Retainers
Screw Size: M3.5 (No. 6)
Head Size: 13mm X 13mm
Stem Dia: 13.5mm
Stem Length: 8mm
OE:87756-34520



12

725028
Retainers
Bottom Head Dia: 16mm
Top Head Dia: 13mm
Stem Dia: 10mm
Stem Length: 12mm
OE:85849-3B000



12

725030
Retainers W/ Sealer
Top Head: 15mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 10.5mm
OE:87378-3N000



25

725031
Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 9mm
OE:82315-22000



12

725032
Retainers W/ Sealer
Top Head: 13mm
Middle Head: 15mm
Bottom Head: 18.5mm
Stem Dia: 10.3mm
OE:82315-36000



25

725033
Retainers
Top Head: 14mm
Middle Head: 15mm
Bottom Head: 16mm
Stem Dia: 10.3mm
OE: 85495-2E050



25

725034
Retainers
Top Head: 13mm
Middle Head: 15mm
Bottom Head: 18mm
Stem Dia: 11mm
OE:82315-2P000



25

725035
Retainers
Top Head: 15mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 10.7mm
OE:82315-33020



25

725037
Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 15mm
Stem Dia: 9.6mm
OE:85506-4A000



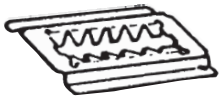
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725027
Retainers
Bottom Head Dia: 5mm X 13mm
Top Head Dia: 8mm
Stem Dia: 11mm
Black Nylon
OE:86438-4A100



25

725029
Retainers
Bottom Head Dia: 6mm X 16mm
Top Head Dia: 8mm
Stem Dia: 14mm
Black Nylon
OE:86434-4A000



12

724197
Bumper / Grille Mounting Retainers
13.1 X 29.7mm
OE:86593-24000



10

725025
Push Type Retainers
Head Dia: 15mm
Stem Dia: 10mm
Fits: 7mm Hole
Black Nylon
OE:86155-2H100



12

725026
Push Type Retainers
Head Dia: 10mm
Stem Dia: 13mm
Fits: 5mm Hole
Black Nylon
OE:86157-37000



10

725040
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 10mm
Stem Length: 12mm
OE:82315-27000

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.



12

725143
Weatherstrip Clips
Top Head: 5mm X 14mm
Bottom Head: 8mm
Stem Dia: 6.3mm
Stem Length: 5mm
OE:67867-50020



12

725491
Weatherstrip Clips
Bottom Head Dia: 9mm
Top Head Dia: 5mm X 15mm
Stem Dia: 6.5mm
Stem Length: 4mm
OE:90467-04034



12

725492
Weatherstrip Clips
Head Size: 14mm
Stem Dia: 9mm
Stem Length: 11mm
Hood
OE:90467-08045,90467-08063



12

725126
Grille Clips
Top Head: 10mm X 10mm
Bottom Head: 15mm
Stem Dia: 10mm
Stem Length: 10mm
OE:90467-10190



5

720786
Fender Apron Seal Clips
Bottom Head Dia: 17mm
Top Head Dia: 7mm
Stem Dia: 12mm
Black Nylon
OE:90467-10107



10

725121
Bumper Cover Clips
35mm Width
Overall Length: 25mm

Black Nylon
OE:53879-50020



12

725125
Fender Panel Moulding Clips
Head Size: 4.5mm X 11mm
Stem Dia: 6.5mm
Stem Length: 9mm
Black Nylon
OE:90467-07137



10

725489
Spring Locking Clips
16mm Width
Locking Fastener
Front & Rear Spoiler
Dacromet
OE:76879-44010



12

725127
Moulding Clips
Head Size: 10mm X 20mm
Stem Length: 24mm
Overall Length: 27mm
Front & Rear Spoiler
OE:75392-35220



10

725128
Moulding Clips
Head Size: 18mm
Overall Length: 24.5mm

Black Nylon
OE:75393-60030



5

725129
Moulding Clips
Overall Length: 55mm
15mm Width

Blue Nylon
OE:75545-53011



12

725130
Moulding Clips W/ Sealer
Top Head: 11mm X 13mm
Bottom Head: 25mm X 25mm
Stem Length: 14mm
Red Nylon
OE:90467-12072



10

725131
Moulding Clips W/ Sealer
Screw Size: M5.5 (no. 12)
Head Size: 22mm X 18mm
Overall Length: 24mm
Front Bumper
OE:52197-30040



12

725132
Moulding Clips
Top Head: 10mm X 23mm
Bottom Head: 18mm
Stem Length: 10mm
White Nylon
OE:90467-12074



12

725133
Moulding Clips
Top Head: 12mm
Bottom Head: 18mm X 26mm
Stem Length: 10mm
White Nylon
OE:90467-12071



12

725443
Moulding Clips
Top Head: 8mm X 8mm
Bottom Head: 15mm
Stem Dia: 10mm
Stem Length: 14mm
OE:75819-33010

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.


5

725444
Moulding Clips
Head Size: 43mm X 54mm
Overall Hgt: 26mm
Rocker Panel
Black Nylon
OE:76924-47010


12

725445
Moulding Clips
Overall Hgt: 12.4mm (1/2)
Door & Garnish

White Nylon
OE:67771-58010


12

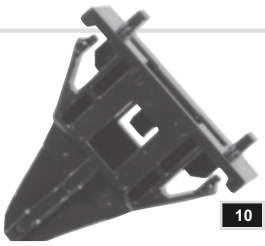
725446
Moulding Clips
Top Head: 5mm X 10mm
Bottom Head: 18mm
Stem Dia: 10mm
Stem Length: 13mm
OE:75395-0T010


12

725447
Moulding Clips
Fits: 9mm Square Hole
Head Size: 17mm
Stem Length: 8.5mm
Hood & Front/rear Side
OE:90467-11099


10

725448
Moulding Clips
Top Head: 13mm X 13mm
Stem Length: 22mm
Overall Length: 25mm
White Nylon
OE:52535-0E030


10

725449
Moulding Clips
Top Head: 9mm X 31mm
Overall Hgt: 30mm
Fnt Fnder, Sht Metal, Upper Seal
Black Nylon
OE:61991-35010


10

725450
Moulding Clips
Top Head: 13mm X 31mm
Overall Hgt: 34mm
Fnt Fnder, Sht Metal, Upper Seal
Black Nylon
OE:61992-35010


12

725451
Moulding Clips
Overall Hgt: 21mm
Door, Rear Deck & Roof Garnish
Instrument Panel
Pink Nylon
OE:90467-12080


10

725452
Moulding Clips W/ Sealer
Top Head: 13mm
Bottom Head: 20mm
Stem Length: 10mm
Rear Light Housing Guide
OE:81496-21010


12

725453
Moulding Clips
Overall Hgt: 14mm
Rear Hatch Door Side Garnish
Front Body Pillar Garnish
White Nylon
OE:90467-09204


10

725454
Moulding Clips
Fits: 10 X 10mm
Head Size: 23mm X 28mm
Stem Length: 14mm
Rocker
OE:90467-12073


10

725455
Moulding Clips W/ Sealer
Head Size: 24mm
Overall Length: 24mm
Rear Door, Hatch Garnish
Luggage Compartment
OE:76817-12060


10

725456
Moulding Clips W/ Sealer
Fits: 8mm Hole
Head Size: 18mm
Stem Length: 13mm
White Nylon
OE:75867-AC020


10

725457
Moulding Clips
Fits: 10 X 10mm Hole
Top Head: 11mm X 13mm
Bottom Head: 15mm X 25mm
Stem Length: 14mm
OE:90467-12075


10

725441
Door Lock Rod Clips
Fits: 8mm Hole
Overall Hgt: 20mm
5mm Rod Size
Natural Nylon
OE:69293-30030


10

725144
Windshield Clips
15mm Width
Overall Length: 55mm

Blue Nylon
OE:75545-53010,75545-53011

TOYOTA/ LEXUS

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.


10

720938
Cowl Screw Grommets
Fits: 10 X 15mm Hole
4.8mm (No. 10) Screw

Blue Nylon
OE:55799-12010


10

720985
Fender Lining Screw Grommet
15mm Stem
18mm Head Dia.
Fits: 9mm Square Hole
5.5mm Screw
OE:90189-06104


10

720986
Fender Lining Screw Grommet
22mm Stem
20mm Head Dia.
Fits: 8 X 8mm Hole
5.5mm Screw
OE:90189-06157


10

720987
Fender Lining Screw Grommet
18mm Stem
16mm Head Dia.
5.5mm Screw
Black Nylon
OE:90189-06214


10

716845
Screw Grommets
21mm Stem
18mm Head Dia.
Fits: 8.5mm Square Hole
6.3-1.81mm Screw
OE:90189-06003


10

716846
Screw Grommets
17mm Stem
20mm Head Dia.
Fits: 8mm Hole
6.3-1.81mm Screw
OE:90189-06013,
90189-06065, 96706-W1000


10

716867
Screw Grommets
15mm Stem
Fits: 7mm Square Hole
10mm W, 10mm L
3mm Screw
OE:90189-04007


12

725139
Screw Grommets
Head Size: 17.5mm X 30mm
Stem Length: 10mm
M5.5 (No. 12) Screw Size
White Nylon
OE:52535-30150


12

725140
Screw Grommets
Fits: 7mm X 7mm Hole
Screw Size: M2.9 (No. 4)
Head Size: 9mm X 9mm
Stem Length: 14mm
OE:90189-04207


10

725482
Screw Grommets
Fits: 9mm X 9mm Hole
Screw Size: M5.5 (No. 12)
Head Size: 20mm
Stem Dia: 22mm
OE:90189-06177


12

725483
Screw Grommets
Fits: 9mm X 9mm Hole
Screw Size: M5.5 (No. 12)
Head Size: 20mm
Stem Length: 17mm
OE:90189-A0002


10

725484
Screw Grommets
Fits: 9mm X 9mm Hole
Screw Size: M5.5 (No. 12)
Head Size: 16mm
Stem Length: 16mm
OE:90189-06145


12

725485
Screw Grommets W/ Sealer
Fits: 7mm Square Hole
Screw Size: M3.2 (No. 6)
Head Size: 10mm X 10mm
Stem Length: 15mm
OE:90189-04102


12

725459
Nylon Nuts
Fits: 7 X 7mm Hole
Screw Size: M3.5 (No. 6)
Head Size: 10mm X 10mm
Stem Length: 7mm
OE: 81137-22530, 81150-1A750,
90075-10004


12

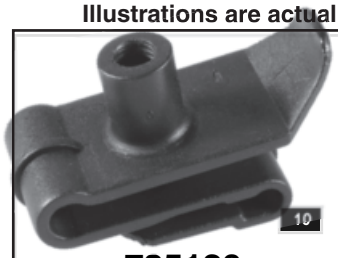
725460
Nylon Nuts
Fits: 9mm Square Hole
Screw Size: M5.5 (No. 12)
Head Size: 17mm
Stem Length: 10mm
OE:90189-06211


10

725486
Specialty Nylon Nuts
Flange: 22mm
Overall Hgt: 10mm
6mm Stud Size
Cowl Vent & Fender Apron
OE:65613-07010

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.



725120
"U" Nuts
Screw Size: M6.3 (No. 14)
Panel Range: Up To 3mm
14mm Hole Center To Edge
Black Nylon
OE:90467-05138



725134
"U" Nuts
Panel Range: Up To 2mm
M4.8 (No. 10) Screw Size
10mm Center Of Hole To Edge
Bumper & Fender Apron
OE:53879-17020



725461
Nylon "U" Nuts
Screw Size: M6 (No. 14)
Panel Range: Up To 2mm
12mm Center Of Hole To Edge
Left/right Front Bumper
OE: 90467-05081, 90467-A0018



725462
Nylon "U" Nuts
Screw Size: M6 (No. 14)
Panel Range: Up To 2mm
12mm Center Of Hole To Edge
Rear Bumper
OE:90467-05128



725463
Nylon "U" Nuts
Screw Size: M5.5 (No. 12)
Panel Range: Up To 2mm
11mm Center Of Hole To Edge
Front Fender Liner
OE:53879-20020



725464
Nylon "U" Nuts
Screw Size: M4.8 (No. 10)
Panel Range: Up To 2mm
7mm Center Of Hole To Edge
Front Fender Liner & Mudguard
OE: 76647-42010



725490
Weatherstrip Clips
Bottom Head Dia: 12mm
Top Head Dia: 9mm
Stem Dia: 7mm
Stem Length: 13mm
OE:67869-12050



725481
Hood To Cowl Top Seal
Bottom Head Dia: 7mm X 13mm
Top Head Dia: 7.5mm
Stem Dia: 13mm
Black Nylon
OE:90467-08101



725458
Moulding Retainers
Head Size: 13 X 26mm
Stem Length: 25mm
Front & Rear Bumper
White Nylon
OE:76853-10010



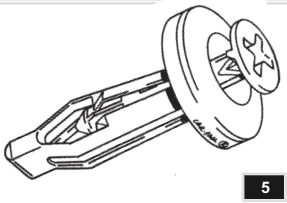
725442
Retainer Fenders
Fits: 10 X 16mm Hole
Overall Hgt: 18mm
Front Fender
Dark & Light Gray Nylon
OE:53867-47020



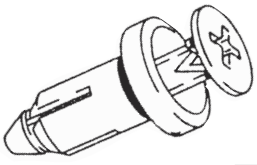
718736
Drive Type Rivet Retainers
15mm Washer Face
Fits: 7mm Hole
Trim Attachments
OE:10116-41810



720627
Drive Type Retainers
Head Dia: 17mm
Stem Dia: 9mm
Fits: 7mm Hole
Black Nylon
OE:90467-07117



720794
Drive Type Rivet Retainers
Head Dia: 19mm
Stem Dia: 26mm
Fits: 9mm Hole
Black Nylon
OE:90467-09143



720795
Drive Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 12mm
Fits: 9mm Hole
Bumper Cover
OE:90467-09145



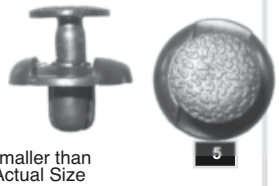
723119
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 10mm
Fits: 7mm Hole
Fender Splash Shield
OE:90467-07164



723191
Drive Type Rivet Retainers
8.5mm Stem Length
20mm Flange
5mm Panel Range
Fits: 7mm Hole
OE:90467-07195

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.



Smaller than Actual Size

724203
Drive Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 7mm
Fits: 7mm Hole
Fender Liner
OE:53879-60010



724451
Drive Type Rivet Retainers
31mm Stem Length
18mm Flange
3.5-10mm Panel Range
Fits: 9mm Hole
OE:52161-20010



724461
Drive Type Rivet Retainers
10mm Stem Length
20mm Flange
2.2-6.5mm Panel Range
7mm Hole
OE:90467-07201



720629
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 26mm
Fits: 9mm Hole
Bumper Cover
OE:90467-09127



716329
Hood Seal Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7.5mm
Stem Dia: 11mm
Black Nylon
OE: 90467-08004, 90467-08011, 94842841, 94849113



716679
Door Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:67771-22010



716680
Door Panel Retainers
Bottom Head Dia: 16mm
Top Head Dia: 12.5mm
Stem Dia: 8.5mm
Stem Length: 11mm
OE:67771-22020



724240
Retaining Clips
Bottom Head Dia: 30mm
Top Head Dia: 8mm
Stem Dia: 17mm
Black Nylon
OE:90467-09008



725122
Bumper Cover Pins
Diameter: 10mm
Stem Length: 24mm

Black Nylon
OE:47749-50090



725473
Retainers
Top Head: 13mm
Bottom Head: 18mm
Stem Dia: 9.5mm
Stem Length: 13mm
OE:75867-33030, 75867-AA010



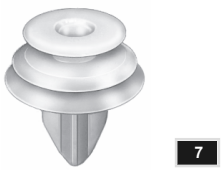
725474
Hood Seal Retainers
Bottom Head Dia: 13mm
Top Head Dia: 7mm
Stem Dia: 10mm
Black Nylon
OE:90080-46010



725476
Cowl Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm X 18mm
Stem Dia: 10.7mm
Stem Length: 12mm
OE:90467-09212



725479
Dash& Fender Apron Retainer
Bottom Head Dia: 16.5mm
Top Head Dia: 9mm
Stem Dia: 13mm
Black Nylon
OE:90467-10186



723250
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 8.5mm X 8.5mm
Stem Length: 15mm
OE:90467-09206



725124
Door Panel Retainer W/ Sealer
Fits: 8.5mm Hole
Top Head: 13mm
Bottom Head: 18mm
Overall Length: 20mm
OE:67773-0E020



725142
Trim Retainers W/ Sealer
Top Head: 13mm X 16mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 9mm
OE:67771-32120

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.



12

720508
Trim Panel Retainers
Bottom Head Dia: 16mm
Top Head Dia: 5mm
Stem Dia: 13mm
Luggage Compartment
OE: 90467-05096-22



7

723104
Trim Panel Retainers
Bottom Head Dia: 16mm
Top Head Dia: 8mm
Stem Dia: 16mm
Luggage Compartment
OE:90467-08186



25

724134
Bumper Cover Retainers
Bottom Head Dia: 19mm
Top Head Dia: 7.5mm
Stem Dia: 16mm
Fits: 6.35mm Hole
OE:90467-A0008



12

725123
Bumper Retainers
Head Size: 16mm
Stem Dia: 4.7mm X 4.7mm
Stem Length: 12mm
Front
OE:90467-05125



12

725475
Headliner Retainers
Bottom Head Dia: 20mm
Top Head Dia: 6mm
Stem Dia: 15mm
Tan Nylon
OE:90467-05164-E2



12

725477
Door & Roof Rail Retainers
Bottom Head Dia: 9mm
Top Head Dia: 5.3mm
Stem Dia: 8mm
Black Nylon
OE:67868-30030



12

725478
Fender Seal Retainers
Bottom Head Dia: 20mm
Top Head Dia: 8mm
Stem Dia: 8mm
Black Nylon
OE:90467-08136



12

725480
Headliner Retainers
Bottom Head Dia: 20mm
Top Head Dia: 6mm
Stem Dia: 15mm
Gray Nylon
OE:90467-05164-B6



10

720386
Push Type Retainers
Head Dia: 15mm
Stem Dia: 27mm
Fits: 9mm Hole
Front Bumper
OE:90467-09096



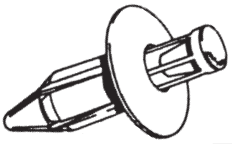
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720548
Push Type Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 9mm Hole
Bumper Cover & Wheel Housing
OE:90467-09139



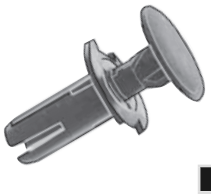
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721033
Push Type Retainers
Head Dia: 16mm
Stem Dia: 9mm
Fits: 7mm Hole
Cowl Panel & Luggage Compartment
OE:90467-07146



12

723126
Retainers - Push To Release
9mm Stem
18mm Flange
6.3mm Hole Hole
Door Panel
OE:90467-07085



6

724549
Push Type Retainers
Head Dia: 15mm
Stem Dia: 17mm
Fits: 7mm Hole
Black Nylon
OE:90467-07188



6

724550
Push Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 9mm X 9mm Hole
Black Nylon
OE:90467-09166



10

725135
Push Type Retainers
Head Dia: 19mm
Stem Dia: 9mm
Fits: 7mm Hole
Black Nylon
OE:53259-0E010



12

725136
Push Type Retainers
Fits: 5.5mm Hole
Head Size: 13mm
Stem Length: 15mm
Inner Door Lock Plate, Engine
OE:90467-05136

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.



725137
Push Type Retainers
Fits: 10mm Hole
Head Size: 20mm
Stem Length: 12mm
Front Bumper Extension
OE:51454-0E010,51454-48010



725138
Push Type Retainers
Fits: 13mm Hole
Head Size: 22mm
Stem Length: 14mm
Front Side Lower Fender Panel
OE:51453-0E010,51453-48010



725465
Push Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 7mm Hole
Radiator Splash Shield
OE:90467-07214



725466
Push Type Retainers
Head Dia: 16mm
Stem Dia: 14mm
Fits: 7mm Hole
Turn Signal Light
OE:90080-46294



725467
Push Type Retainers
Head Dia: 22mm
Stem Dia: 15mm
Fits: 9mm Hole
Bumper & Engine Under Cover
OE:90467-09227



725468
Push Type Retainers
Head Dia: 20mm
Stem Dia: 16mm
Fits: 8mm Hole
Rocker Panel
OE:75867-06030



725469
Push Type Retainers
Head Dia: 18mm
Stem Dia: 14mm
Fits: 7mm Hole
Wheel Opening
OE:53888-48010



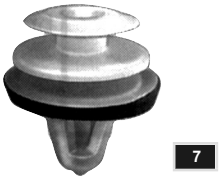
725470
Push Type Retainers
Head Dia: 18mm
Stem Dia: 10mm
Fits: 9mm Hole
Front Spoiler & Grille
OE:90467-09185



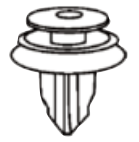
725471
Push Type Retainers
Head Dia: 16mm
Stem Dia: 10mm
Fits: 8mm Hole
Cowl
OE:90467-10206



725472
Push Type Retainers
Head Dia: 11mm
Stem Dia: 9mm
Fits: 7mm Hole
Bumper Cover
OE:90467-07071-22



720546
Trim Panel Retainers
14mm Stem Length
13 X 18mm Head
Fits: 8mm Hole
OE:67771-06070



724053
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 8.5mm X 9mm
Stem Length: 14mm
OE:90467-10188



720965
Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 6mm Hole
Stem Dia: 10mm
White Nylon
OE:67867-0C010, 67867-12150, 67868-02020



724993
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 6mm
Stem Dia: 10mm
Black Nylon
OE:91567-SR2-013



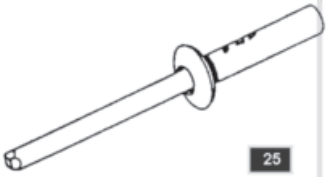
725493
Weatherstrip Retainers
Bottom Head Dia: 12mm
Top Head Dia: 6.5mm
Stem Dia: 11mm
Black Nylon
OE:90467-06128



720785
Drive Type Rivets
Head Dia: 20mm
Stem Dia: 8mm
Fits: 7mm Hole
Front Fender Liner
OE:90467-07166

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.



720771
Closed Sealing Rivets
5mm Rivet
9.5mm Flange
Windshield Side Moulding

OE:90084-26001



723117
Closed End Type Rivets
4mm (5/32) Rivet
Grip Range: 1.6-6.3mm
7.9mm Flange
Front & Rear Door Window

OE:90084-26002



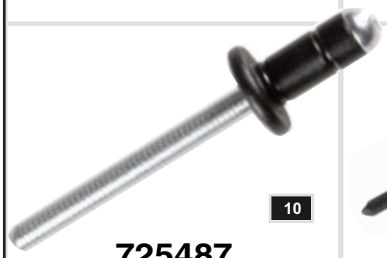
723128
Moulding Blind Rivets
3.2mm Rivet
Grip Range: 1-4.75mm
8mm Flange
4mm Hole

OE:90269-04053



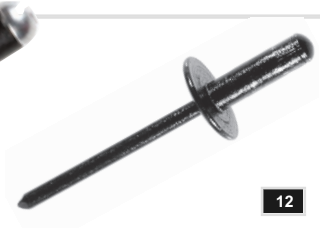
725141
Specialty Rivets
Diameter: 3.2mm (1/8)
Grip: 1/16 - 1/8
Flange: 9.5mm
Alum Rivet/ Mandrel

OE:90269-03064



725487
Specialty Rivets
Diameter: 1/4 (6.3mm)
Grip: 1/16 - 3/16
Flange: 1/2
Black Alum Rivet/steel Mandrel

OE:90269-A0005



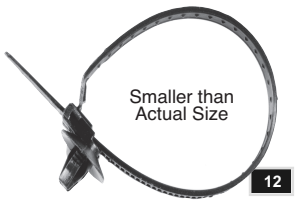
725488
Specialty Rivets
Diameter: 5/32 (4mm)
Grip: 3/64 - 3/8
Flange: 15/32
Black Alum Rivet/steel Mandrel

OE:90269-06054



718910
License Plate Screws
6mm X 20mm
12mm Flange
Indented Hex Phillips Washer Head
10mm Hex

OE:93904-46320,
91500-SM4-999AH



725440
Cable Straps
7mm (7/32) Width
Overall Length: 170mm (6-3/4)
Max. Bundle Dia.: 40mm (1-9/16)
Black Nylon

OE:82711-12200



725491
Weatherstrip Clips
Bottom Head Dia: 9mm
Top Head Dia: 5mm X 15mm
Stem Dia: 6.5mm
Stem Length: 4mm

OE:90467-04034



725240
Grille Clips
Overall Length: 24mm
14mm Width
Radiator Grille Cowl
Gray Nylon

OE:90467-13075,MR221507



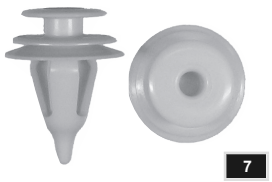
725481
Hood To Cowl Top Seal
Bottom Head Dia: 7mm X 13mm
Top Head Dia: 7.5mm
Stem Dia: 13mm
Black Nylon

OE:90467-08101



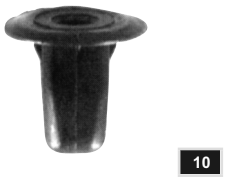
725127
Moulding Clips
Head Size: 10mm X 20mm
Stem Length: 24mm
Overall Length: 27mm
Front & Rear Spoiler

OE:75392-35220



720776
Door Trim Panel & Lower
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 17mm

OE: 67771-30090, 95008221



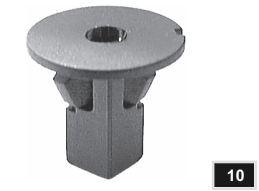
720985
Fender Lining Screw Grommet
15mm Stem
18mm Head Dia.
9mm Square Hole
5.5mm Screw

OE:90189-06104



716790
Screw Grommets
13mm W, 13mm L
8.5mm Square Hole
5mm Screw
Natural Nylon

OE:90189-06010,75521-611-0000,
96706-P0105,9991-00-601



716846
Screw Grommets
17mm Stem
20mm Head Dia.
8mm Hole
6.3-1.81mm Screw

OE:90189-06013, 90189-06065,
96706-W1000

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.



10

716855
Screw Grommets
10mm Stem
14mm Head Dia.
7mm Square Hole
3mm Screw
OE:90189-04066, 90662-693-003



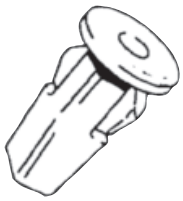
10

716857
Screw Grommets
17mm Stem
16mm Head Dia.
8mm Square Hole
4mm Screw
OE:90189-06042, 01651-00481, 74798-S9000, 90661-SC7-003, H001-50-841, MS-480012



10

716864
Screw Grommets
17mm Stem
18mm Head Dia.
8.5mm Square Hole
5mm Screw
OE:90189-06001,01281-00028, MB-098145



7

720630
Screw Grommets
16mm Flange
Fits: 9mm Square Hole
5.5mm Screw
Front & Rear Wheel Fender Liner
OE:90189-06028,94854203



12

725139
Screw Grommets
Head Size: 17.5mm X 30mm
Stem Length: 10mm
M5.5 (#12) Screw Size
White Nylon
OE:52535-30150



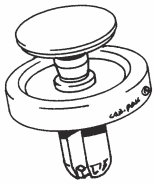
25

716793
Headlamp Bezel & Grille Nuts
12mm W, 12mm L
8 X 9mm Hole
5mm Screw
Natural Nylon
OE: 90189-05013, 94841764, MS-480002



7

723317
Rocker Panel & Garnish
Head Dia: 20mm
Stem Dia: 8mm
Fits: 7mm Hole
Black Nylon
OE: 90467-07168, 88970494, 88973676



5

723368
Drive Type Retainers
Head Dia: 18mm
Stem Dia: 7.5mm
Fits:7mm Hole
Front Fender Liner
OE: 90467-10183, 88970767



15

718720
Screw Type Rivet Retainers
Head Dia: 14mm
Stem Dia: 11mm
Fits:7mm Hole
Black Nylon
OE:90467-06017-20, N304-13-356-A, 90657-SA6-0030, 94198687



15

716329
Hood Seal Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7.5mm
Stem Dia: 11mm
Black Nylon
OE:90467-08004, 90467-08011, 94842841, 94849113



25

717620
Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7mm
Stem Dia: 15mm
Black Nylon
OE:90467-07050, 01553-00172



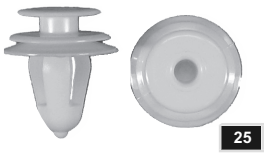
12

725291
Retaining Clips
Head Size: 14mm
Stem Dia: 9.5mm
Stem Length: 16mm
Black Nylon
OE:90467-090-6901, 01553-02253



12

725479
Dash & Fender Apron
Bottom Head Dia: 16.5mm
Top Head Dia: 9mm
Stem Dia: 13mm
Black Nylon
OE:90467-10186



25

720807
Trim Board Retainers Front &
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:67771-12050, 30006620, 95008221



12

725124
Door Panel Retainers W/sealer
Fits: 8.5mm Hole
Top Head: 13mm
Bottom Head: 18mm
Overall Length: 20mm
OE:67773-0E020



12

725142
Trim Retainers W/sealer
Top Head: 13mm X 16mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 9mm
OE:67771-32120

TOYOTA / LEXUS

Illustrations are actual size unless otherwise noted.



720632
Hood Insulation Retainers
Bottom Head Dia: 25mm
Top Head Dia: 9mm
Stem Dia: 10mm
Black Nylon
OE: 88970747, 94858509, 90467-09050



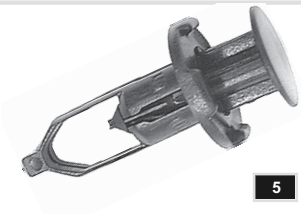
724134
Bumper Cover Retainers
Bottom Head Dia: 19mm
Top Head Dia: 7.5mm
Stem Dia: 16mm
Fits: 6.35mm Hole
OE:90467-A0008



725477
Door & Roof Rail Retainers
Bottom Head Dia: 9mm
Top Head Dia: 5.3mm
Stem Dia: 8mm
Black Nylon
OE:67868-30030



720550
Push Type Retainers
Head Dia: 18mm
Stem Dia: 23mm
Fits:9mm Hole
Bumper Cover
OE:90467-09101,94853733



720782
Push Type Retainers
Head Dia: 18mm
Stem Dia: 28mm
Fits:9mm Hole
Rear Bumper Cover
OE:52161-02020, 52161-16010, 94858560



725137
Push Type Retainers
Fits: 10mm Hole
Head Size: 20mm
Stem Length: 12mm
Front Bumper Extension
OE:51454-0E010, 51454-48010



725138
Push Type Retainers
Fits: 13mm Hole
Head Size: 22mm
Stem Length: 14mm
Front Side Lower Fender Panel
OE:51453-0E010,51453-48010



725468
Push Type Retainers
Head Dia: 20mm
Stem Dia: 16mm
Fits:8mm Hole
Rocker Panel
OE:75867-06030



725470
Push Type Retainers
Head Dia: 18mm
Stem Dia: 10mm
Fits:9mm Hole
Front Spoiler & Grille
OE:90467-09185



725471
Push Type Retainers
Head Dia: 16mm
Stem Dia: 10mm
Fits:8mm Hole
Cowl
OE:90467-10206



716343
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:67771-01010,95005064



717616
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:67771-01010, 67771-12010F, 894-226-4920, 9927-40-825



724993
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 6mm
Stem Dia: 10mm
Black Nylon
OE:91567-SR2-013



725488
Specialty Rivets
Diameter: 5/32 (4mm)
Grip: 3/64 - 3/8
Flange: 15/32
Black Alum Rivet/steel Mandrel
OE:90269-06054

NISSAN / INFINITI

Illustrations are actual size unless otherwise noted.



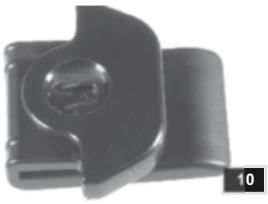
12

725295
Weatherstrip Clips
Bottom Head Dia: 6 X 16mm
Top Head Dia: 6.5mm
Stem Dia: 12mm
White Nylon
OE:80850-89900



15

716327
Interior Trim Clips
OE:01553-01251



10

725265
Clips
30mm Width @ Wings
20mm Width
Overall Length: 30mm
Fender Apron
OE:63848-9Y000



10

725266
Flange Clips
Flange: 20mm
Overall Hgt: 12.5mm
10.5mm Hex
Wheel Liner Cowl
OE:01553-05131



12

725269
Hood Seal Clips
Bottom Head Dia: 6.4 X 16mm
Top Head Dia: 3.5mm X 6mm
Stem Dia: 10mm
Black Nylon
OE:65810-K2000



10

725268
Hood Prop Rod Clips
8mm Rod Size
Overall Length: 33mm

Black Nylon
OE:65722-EA000



10

725270
Moulding Clips
Fits: 8mm Hole
Top Head: 10mm X 15mm
Bottom Head: 18mm
Stem Length: 12mm
OE:76882-EG01A



12

725271
Moulding Clips
Top Head: 8mm X 15mm
Bottom Head: 15mm
Stem Dia: 5.3mm
Stem Length: 9mm
OE:76988-4N000



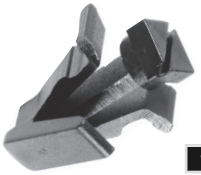
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725272
Moulding Clips
Top Head: 14mm X 14mm
Bottom Head: 16mm
Stem Length: 10mm
Rocker Moulding Clip
OE:76882-0E700



10

725273
Moulding Clips
Fits: 8.5mm Hole
Top Head: 12mm X 15mm
Bottom Head: 16mm
Stem Length: 12mm
OE:01553-08911



10

725274
Moulding Clips
Overall Hgt: 25mm (1")
Grille Clip

Black Nylon
OE:76882-0M060



12

725291
Retaining Clips
Head Size: 14mm
Stem Dia: 9.5mm
Stem Length: 16mm
Black Nylon
OE:01553-02253,
90467-090-6901



10

725275
Windshld Garnish Molding Clip
Fits: 7-12mm Hole
Overall Length: 44mm
Windshield Garnish
OE:76988-3DN0A



12

725262
Bumper Grommets
Screw Size: M5.5 (No. 12)
Overall Length: 22mm
Bumper Screw Grommet
Natural Nylon
OE:01281-01321



12

725263
Bumper Grommets
Screw Size: M4.8 (No. 10)
Head Size: 20mm
Stem Length: 16mm
Overall Length: 22mm
OE:63846-5V000



12

725267
Grommets
Fits: 11mm Hole
Head Size: 20mm
Stem Length: 13mm
Grille
OE:01281-0005U

NISSAN / INFINITI

Illustrations are actual size unless otherwise noted.



10

725276
Moulding Grommets W/ Sealer
Fits: 8mm Hole
Screw Size: M4.2 (No. 8)
Head Size: 14mm
Stem Length: 8mm
OE:01553-02913



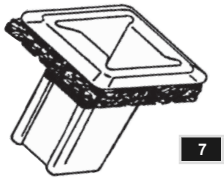
10

725277
Moulding Grommets W/ Sealer
Screw Size: M5.5 (No. 12)
Head Size: 15.4mm X 19mm
Stem Length: 15mm
Yellow Nylon
OE:76848-71S00



25

716795
Grommets W/ Sealer
Fits: 8mm Square Hole
13mm Head Dia.
5mm Screw
Natural Nylon
OE:01281-00022



7

723385
Cowl Vent Grommets W/Sealer
13mm Stem Length
13 X 13mm Head
1mm Panel Range
14mm Overall Length
OE:80874-0P000



12

725296
Grommets W/ Sealer
Head Size: 14mm X 18mm
Stem Length: 13mm

White Nylon
OE:01553-02923



10

716864
Screw Grommets
17mm Stem
18mm Head Dia.
Fits: 8.5mm Square Hole
5mm Screw
OE:01281-00028,90189-06001, MB-098145



Smaller than Actual Size

12

724030
Screw Grommets
16mm Flange
11mm Overall Length
Fits: 8.5mm Square Hole
1.5mm Panel Range
OE:01281-00831



10

725292
Screw Grommets W/ Sealer
Screw Size: 4.2 (No. 8)
Head Size: 16mm
Stem Length: 20mm
Natural Nylon
OE:01281-00691



10

725293
Screw Grommets W/ Sealer
Screw Size: M3.5 (No. 6)
Head Size: 9.5mm X 9.5mm
Stem Length: 16mm
White Nylon
OE:01281-00501



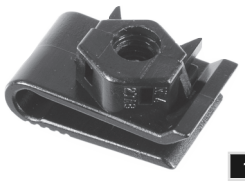
10

725294
Screw Grommets W/ Sealer
Screw Size: M6.3-1.81 (No. 14)
Head Size: 15mm X 19mm
Stem Length: 16mm
Brown Nylon
OE:01553-2U001, 26557-2U001



5

723096
Front Bumper Nylon Nuts
11mm Stem
16mm Head Diameter
5.5mm (No. 12) Screw
Natural Nylon
OE:62319-0W000



10

725279
Nylon "U" Nuts
Panel Range: Up To 4mm
M6 Captive Metal Hex Nut
14mm Center Of Hole To Edge
Black Nylon
OE:01241-00881



25

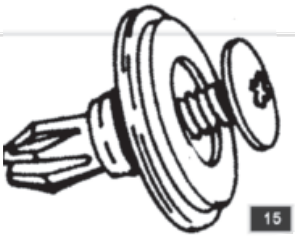
717612
Drive Type Rivet Retainers
12mm Washer Face
Fits: 5mm Hole
Trim Panel

OE:90467-06054



7

723186
Drive Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 8mm Hole
Bumper Clip
OE:01553-09611,90467-08185



15

718713
Screw Type Rivet Retainers
Head Dia: 22mm
Stem Dia: 14mm
Fits: 11mm Hole
Bumper & Fascia
OE:01553-03101



25

716330
Retaining Clips
Bottom Head Dia: 14mm
Top Head Dia: 10mm
Stem Dia: 16mm
Black Nylon
OE:76906-T3000, 90467-11005

NISSAN / INFINITI

Illustrations are actual size unless otherwise noted.


25

717610
Retaining Clips
Bottom Head Dia: 20mm
Top Head Dia: 11mm
Stem Dia: 16mm
Black Nylon
OE:01553-00051


25

717620
Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7mm
Stem Dia: 15mm
Black Nylon
OE:01553-00172, 90467-07050


15

718727
Push Pin Type Rivet Retainers
Head Dia: 8mm X 12mm
Stem Dia: 8mm
Fits: 6mm X 6mm Hole
Cowl Grille Retainer
OE:66814-01G00


5

720796
Bumper Push Type Retainers
Head Dia: 18mm
Stem Dia: 15mm
Fits: 10mm Hole
Black Nylon
OE:01553-09241


12

725064
Retainers
Bottom Head Dia: 8mm
Top Head Dia: 5.3mm
Stem Dia: 7mm
Black Nylon
OE:80850-CA003


10

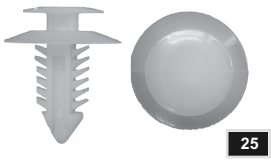
725261
Retainers W/ Sealer
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 10mm
OE:85284-4J500


12

725287
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12.5mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:84953-JA00A


10

725065
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 14mm
OE:84953-AU100


25

716308
Door Trim Panel Retainers
Bottom Head Dia: 19mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:01553-S3500


12

724028
Cowl / Fender Apron Retainers
Bottom Head Dia: 15mm
Top Head Dia: 4.5mm
Stem Dia: 14mm
Black Nylon
OE:01553-01182


10

725286
Hood Insulation Retainers
Bottom Head Dia: 28mm
Top Head Dia: 6mm
Stem Dia: 10mm
Black Nylon
OE:65846-4Z000


12

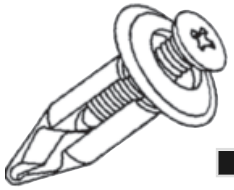
725290
Bumper & Trim Retainers
Bottom Head Dia: 12mm
Top Head Dia: 6mm
Stem Dia: 15mm
Black Nylon
OE:01553-01A50


7

723203
Push Type Retainers
Head Dia: 20mm
Stem Dia: 22mm
Fits: 8mm Hole
Black Nylon
OE:63878-01E10


5

723295
Push Type Retainers
Head Dia: 18mm
Stem Dia: 22mm
Fits: 9mm Hole
Bumper Fascia
OE:63848-9E001


7

723381
Push Type Retainers
Head Dia: 18mm
Stem Dia: 20mm
Fits: 9mm Hole
Front Bumper
OE:63848-40Y00


10

725282
Push Type Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 8mm Hole
Gray Nylon
OE:01553-0038U

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Illustrations are actual size unless otherwise noted.



12

725283
Push Type Retainers
Head Dia: 20mm
Stem Dia: 15mm
Fits: 8mm Hole
Black Nylon
OE:01553-08231



10

725284
Push Type Retainers
Head Dia: 15mm
Stem Dia: 14mm
Fits: 5mm Hole
Black Nylon
OE:01553-06071



10

725285
Push Type Retainers
Head Dia: 20mm
Stem Dia: 8mm
Fits: 8mm Hole
Black Nylon
OE:84995-3J101



10

720966
Trim Panel Retainers
Bottom Head Dia: 17mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 13mm
OE:84915-0W000



12

725288
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 6mm
Stem Dia: 8mm
Black Nylon
OE:01553-08961



Smaller than Actual Size

12

724027
Drive Type Rivets
13mm Stem Lgth.; 20mm Flange
Frt. Bmpr./rad. Sup.; 2-6mm PR
8mm Hole
Front Bumper & Radiator
OE:11296-AG000



12

725278
Hole Plugs
Fits: 18mm
Diameter: 25mm

Black Nylon
OE:80874-AX000



12

725264
Cable Straps
8mm Width
Overall Length: 200mm (8")
Max. Bundle Diameter: 2-3/16
Black Nylon
OE:24225-89960



12

725060
Clip, Cowl & Grill Retainers
Head Size: 11mm
Stem Dia: 4.5mm
Stem Length: 15mm
Cowl Grille Retainer
OE:66820-61U00



12

725063
Moulding Clips
Top Head: 13mm X 13mm
Bottom Head: 19mm
Stem Length: 10mm
Tail Light Clip
OE:26398-ED000



10

716790
Screw Grommets
13mm W, 13mm L
8.5mm Square Hole
5mm Screw
Natural Nylon
OE:96706-P0105, 75521-611-0000, 90189-06010, 9991-00-601



10

716794
Screw Grommets
17mm W, 17mm L
8mm X 8.5mm Hole
5mm Screw
Natural Nylon
OE:68425-H5000, 90662-671-0030, 9991-00-503



10

716846
Screw Grommets
17mm Stem
20mm Head Dia.
8mm Hole
6.3-1.81mm Screw
OE:96706-W1000, 90189-06013, 90189-06065



10

716848
Screw Grommets
16mm Stem
6mm Square Hole
13.5mm Head Dia.
4mm Screw
OE:01281-00151, 01281-00161, 96706-H9400, 96706-K1300, 96706-K1351, 790184000, 90672-671-811, MB106212



10

716850
Screw Grommets
16mm Stem
9.5mm W, 9.5mm L
7mm Square Hole
3mm Screw
OE:96706-89901,9991-00-402



10

716856
Screw Grommets
17mm Stem
12mm W, 19mm L
8 X 15mm Hole
5mm Screw
OE:78856-R4301, 90683-693-0000

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Illustrations are actual size unless otherwise noted.



716857
Screw Grommets
17mm Stem
16mm Head Dia.
8mm Square Hole
4mm Screw
OE:01651-00481,74798-S9000, 90189-06042, 90661-SC7-003, H001-50-841, MS-480012



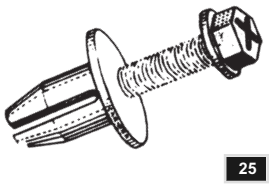
717611
Screw Grommets
9.5mm W; 9.5mm L
7mm Square Hole
4mm Screw
White Nylon
OE:97606-B0700,75522-611-0000, 9991-00-412, MS-480001



720637
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Black Nylon
OE:01553-09321,MR328954



724250
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 8mm
Fits:8mm Hole
Black Nylon
OE:63848-01G00-A, 91545-SE0-003



718672
Screw Type Rivet Retainers
Head Dia: 43/64(17mm)
Stem Dia: 23/64 (18.3mm)
Fits:5/16 (8mm) Hole
Front Compartment & Spare Tire
OE:63844-01A99,20451119



718710
Screw Type Rivet Retainers
Head Dia: 9/16 (14mm)
Stem Dia: 5/8 (16mm)
Fits:1/4 (6mm) Hole
Cowl Panel To Reinforcement
OE:66860-01W01,94051993



718711
Screw Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 11mm
Fits:6mm Hole
Black Nylon
OE:10998-30880, 894-298-1190, 90684-SA5-003



718722
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits:8mm Hole
Black Nylon
OE:63876-95596, 90675-SB3-003, FB01-56-964



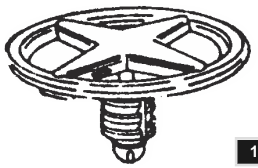
718723
Screw Type Rivet Retainers
Head Dia: 25/32 (20mm)
Stem Dia: 23/32 (18mm)
Fits:5/16 (8mm) Hole
Inner Fender
OE: 63844-01A00, MNA01-56-145, NA01-56-145, NA01-56145



720967
Hood To Cowl Seal Retainers
Bottom Head Dia: 6mm X 16mm
Top Head Dia: 5mm Hole
Stem Dia: 15mm
White Nylon
OE:65810-K2009



725289
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 13mm
OE:01553-09791, 80999-VE000



716326
Hood Insulation Retainers
Bottom Head Dia: 38mm
Top Head Dia: 7mm
Stem Dia: 9mm
Black Nylon
OE:65832-F5000, 65846-30F00



724908
Push Type Retainers
Head Dia: 25mm
Stem Dia: 29mm
Fits:7mm Hole
Black Nylon
OE:622A2-9E000, 622A2-9E000A, 11561874

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Illustrations are actual size unless otherwise noted.



10

725080
Moulding Clips
Head Size: 8mm X 22mm
Stem Length: 10mm

Black Nylon
OE:87756-2G000



12

725081
Moulding Clips
Top Head: 10mm X 15mm
Bottom Head: 16mm X 18mm
Stem Length: 9mm
White Nylon
OE:86359-33500



12

725082
Moulding Clips W/ Sealer
Top Head: 10.5mm X 9.5mm
Bottom Head: 14mm X 17.5mm
Stem Dia: 14.3mm
Stem Length: 10mm
OE:87719-02500,
87758-3E000, 87759-3E000



10

725083
Moulding Clips W/ Sealer
Top Head: 11mm X 13mm
Bottom Head: 12mm X 20mm
Stem Length: 10mm
Red Nylon
OE:87756-3E500



12

725085
Nylon Nuts
Head Size: 11mm X 11mm
Stem Dia: 9mm
Overall Length: 13.5mm
White Nylon
OE:86699-2D000



12

725084
Nylon Flange Nuts
Flange: 25mm
Overall Hgt: 10mm
14mm Hex Size Cowl Trim
Black Nylon
OE:0K95A-68615



5

725088
Retainers
Head Size: 25mm X 30mm
Stem Length: 15mm
Overall Length: 35mm
Bumper Cover Clip W/sealer
OE:86591-25000



12

725086
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 8mm
Stem Dia: 16mm
Gray Nylon
OE:85746-06000LX



12

725087
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 8mm
Stem Dia: 16mm
Tan Nylon
OE:85746-06000RU



25

725036
Retainers
Overall Length: 21mm
Trim Panel & Dash Console Clip

White Nylon
OE:84747-2L000



12

725012
Moulding Clips W/sealer
Top Head: 10mm X 12mm
Bottom Head: 14mm X 20mm
Stem Dia: 14mm
Stem Length: 10mm
OE:87756-1F000



10

725017
Moulding Clips W/sealer
Top Head: 10mm X 12mm
Bottom Head: 14mm X 18mm
Stem Length: 10mm
White Nylon
OE:87758-35010



25

725022
Moulding Retainers
Screw Size: M3.5 (no. 6)
Head Size: 13mm X 13mm
Stem Dia: 13.5mm
Stem Length: 8mm
OE:87756-34520



10

725024
Nylon Nuts
Head Size: 13mm X 13mm
Stem Length: 10mm
M4.2 (No. 8) Screw Size
White Nylon
OE: 87714-FD200, 87756-1C000



15

718723
Screw Type Rivet Retainers
Head Dia: 25/32 (20mm)
Stem Dia: 23/32 (18mm)
Fits:5/16 (8mm) Hole
Inner Fender
OE:MNA01-56-145, 63844-01A00,
NA01-56-145, NA01-56145



25

725033
Retainers
Top Head: 14mm
Middle Head: 15mm
Bottom Head: 16mm
Stem Dia: 10.3mm
OE:85495-2E050

KIA

Illustrations are actual size unless otherwise noted.



25

725034
Retainers
Top Head: 13mm
Middle Head: 15mm
Bottom Head: 18mm
Stem Dia: 11mm
OE:82315-2P000



25

725035
Retainers
Top Head: 15mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 10.7mm
OE:82315-33020



25

725037
Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 15mm
Stem Dia: 9.6mm
OE:85506-4A000



25

725027
Retainers
Bottom Head Dia: 5mm X 13mm
Top Head Dia: 8mm
Stem Dia: 11mm
Black Nylon
OE:86438-4A100



25

725029
Retainers
Bottom Head Dia: 6mm X 16mm
Top Head Dia: 8mm
Stem Dia: 14mm
Black Nylon
OE:86434-4A000



10

725025
Push Type Retainers
Head Dia: 15mm
Stem Dia: 10mm
Fits:7mm Hole
Black Nylon
OE:86155-2H100



10

725040
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 10mm
Stem Length: 12mm
OE:82315-27000

Illustrations are actual size unless otherwise noted.



12

725172
Weatherstrip Clips
Bottom Head Dia: 14mm
Top Head Dia: 6.5mm
Stem Dia: 10mm
Black Nylon
OE:J001-56-741



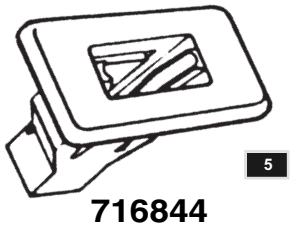
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720537
Front & Rear Door
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 6mm Hole
Stem Dia: 8mm
Blue Nylon
OE:GA2A-58-762



12

725162
Moulding Clips
Top Head: 10mm X 15mm
Bottom Head: 17mm
Stem Dia: 13mm
Stem Length: 9mm
OE:E11451W24



5

716844
Tail Lamp Retaining Grommet
14mm W, 19mm L
Fits: 8 X 12mm Hole
5mm Or #10 Screw



10

725161
Grommets
Diameter: 25mm
Stem Dia: 22mm

Black Nylon
OE:GS3L-68-615



25

716792
Screw Grommets
12mm W, 12mm L
Fits: 8mm Square Hole
5mm Screw
Natural Nylon
OE:9991-00-501



10

716839
Screw Grommets
Fits: 7 X 7mm Hole
13mm Head Dia.
4mm Screw
Natural Nylon
OE:9991-00-403



10

716850
Screw Grommets
16mm Stem
9.5mm W, 9.5mm L
Fits: 7mm Square Hole
3mm Screw
OE:9991-00-402, 96706-89901



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720989
Splash Shield Screw Grommet
15mm Stem
18 X 20mm Head
5.5mm Screw
Black Nylon
OE:KA78-50-AF4



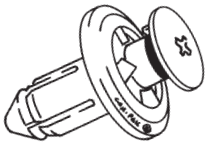
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725170
Screw Grommets W/ Sealer
Screw Size: M4.2 (No. 8)
Head Size: 20mm
Stem Length: 15mm
White Nylon
OE:GJ6A-58-975



12

725171
"U" Nuts
Screw Size: M4.8 (No. 10)
Panel Range: Up To 1mm
11mm Center Of Hole To Edge
Gray Nylon
OE:B455-56-135



12

723209
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Mud Guard
OE:BC1D-56-145



15

718715
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 6mm Hole
Black Nylon
OE:1395-68-676, 80915-29A66, 894-243-1900, 9926-50-635



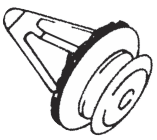
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725167
Retainers
Bottom Head Dia: 18.5mm
Top Head Dia: 14mm
Stem Dia: 12mm
Stem Length: 13mm
OE:TD12-51-SJ3A



12

725169
Retaining Clips
Bottom Head Dia: 9mm
Top Head Dia: 5.5mm
Stem Dia: 7mm
Black Nylon
OE:BP4K-58-762



6

724516
Rocker/fender Retainer W/sealer
Head Dia: 14mm
Overall Length: 19mm
Fits: 10mm
Trim Thickness: 2.5mm
OE:G18K-51-SJ3

MAZDA

Illustrations are actual size unless otherwise noted.



25

716672
Retainers
Bottom Head Dia: 12mm
Top Head Dia: 5mm
Stem Dia: 12mm
Black Nylon
OE:9924-90-512B



15

716681
Door Panel Retainers
Bottom Head Dia: 17mm
Top Head Dia: 15mm
Stem Dia: 10mm
Stem Length: 14mm
OE:9927-40-821



12

724838
Retainers
Bottom Head Dia: 20mm
Top Head Dia: 7mm
Stem Dia: 15mm
Black Nylon
OE:5R3Z-54310D12-BAA



25

725160
Retainers
Head Size: 15mm
Stem Dia: 6.5mm
Stem Length: 14mm
Black Nylon
OE:B003-68-865-00



12

725168
Retainers
Bottom Head Dia: 20mm
Top Head Dia: 7mm
Stem Dia: 10mm
Black Nylon
OE:TD11-56-694



5

724122
Push Type Retainers
Head Dia: 19.5mm
Stem Dia: 15mm
Fits: 10mm Hole
Bumper Cover & Grille
OE:GD7A-50-EA1



10

725163
Push Type Retainers
Head Dia: 11mm
Stem Dia: 7mm

Black Nylon
OE:S51S-51-833



10

725164
Push Type Retainers
Head Dia: 10mm
Stem Dia: 9mm
Fits: 5mm Hole
Black Nylon
OE:EA01-50-037



12

725165
Push Type Retainers
Fits: 8mm Hole
Head Size: 13mm
Stem Length: 13mm
Black Nylon
OE:G14S-50-EA1



12

725166
Push Type Retainers
Fits: 6mm Hole
Head Size: 18mm
Stem Length: 14mm
Rear Trunk Liner
OE:B467-68-AC3-02



1

721049
Door Lock Rod Clips
Right Hand
1996-on Mazda Truck
White Pawl

OE:YL3Z-1521970-AA



5

724820
Bumper Grommets
Fits: 17 X 20mm
Head Size: 27mm X 30mm
Stem Length: 32mm
Rear Bumper Grommet W/seal
OE:GJ6A-50-ES1,
3M8Z-16K262-A



10

716790
Screw Grommets
13mm W, 13mm L
8.5mm Square Hole
5mm Screw
Natural Nylon
OE:9991-00-601, 75521-611-0000, 90189-06010, 96706-P0105



10

716794
Screw Grommets
17mm W, 17mm L
8mm X 8.5mm Hole
5mm Screw
Natural Nylon
OE:9991-00-503,68425-H5000, 90662-671-0030



10

716857
Screw Grommets
17mm Stem
16mm Head Dia.
8mm Square Hole
4mm Screw
OE:H001-50-841,01651-00481, 74798-S9000, 90189-06042, 90661-SC7-003, MS-480012



25

717611
Screw Grommets
9.5mm W; 9.5mm L
7mm Square Hole
4mm Screw
White Nylon
OE:9991-00-412, 75522-611-0000, 97606-B0700, MS-480001

Illustrations are actual size unless otherwise noted.



724844
Screw Grommets
Screw Size: M4.8 (no. 10)
Head Size: 15mm X 27mm
Stem Length: 13mm
Cowl Vent
OE:GK2A-50-798, 3M8Z-17C432-A



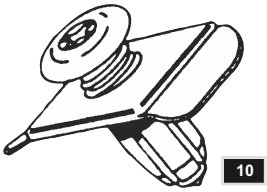
718720
Screw Type Rivet Retainers
Head Dia: 14mm
Stem Dia: 11mm
Fits:7mm Hole
Black Nylon
OE:N304-13-356-A, 90467-06017-20, 90657-SA6-0030, 94198687



718722
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits:8mm Hole
Black Nylon
OE:FB01-56-964, 63876-95596, 90675-SB3-003



718723
Screw Type Rivet Retainers
Head Dia: 25/32 (20mm)
Stem Dia: 23/32 (18mm)
Fits:5/16 (8mm) Hole
Inner Fender
OE:NA01-56-145, 63844-01A00, MNA01-56-145, NA01-56145



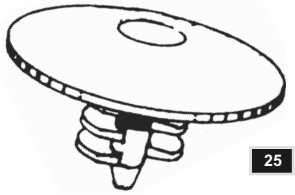
718726
Screw Type Rivet Retainers
11mm Stem Length
30 X 20mm Head
2-7mm Grip Range
Fits: 10mm Hole
OE:BF67-50-033, E7GZ-17A904-B



724117
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits:8mm Hole
Black Nylon
OE:B092-51-833,W705845-S300



723205
Door & Interior Trim Panel
Bottom Head Diá: 15mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 9.5mm
OE:G350-68-AB1,MG350-68AB1



716331
Hood Insulation Retainers
Bottom Head Dia: 20mm
Top Head Dia: 5.5mm
Stem Dia: 9mm
Nylon
OE:G030-68-885B38, GA2A-56-694, F22Z-16774-A



717616
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:9927-40-825, 67771-01010, 67771-12010F, 894-226-4920

MERCEDES

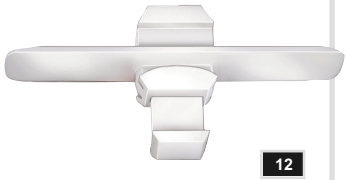
Illustrations are actual size unless otherwise noted.



12

725190
Moulding Clips
Head Size: 16mm X 16mm
Overall Length: 21.5mm

White Nylon
OE:001-988-49-81



12

725191
Moulding Clips
Overall Length: 45mm
Overall Hgt: 16mm
11mm Width
45mm Length
OE:006-988-89-78



12

725192
Moulding Clips
Overall Length: 20mm
Overall Hgt: 20mm
19mm Width
White Nylon
OE:124-988-04-78



12

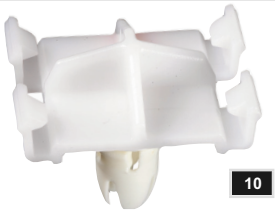
725193
Moulding Clips
Overall Length: 23mm
22.5mm Width

White Nylon
OE:001-988-50-81



12

725194
Moulding Clips
Head Size: 12mm X 16mm
Stem Length: 7mm
Overall Hgt: 16mm
Front Fender
OE:001-988-44-81



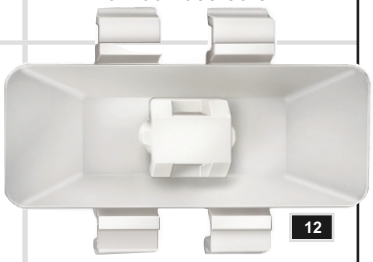
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725195
Moulding Clips
Stem Length: 16mm
Overall Length: 32.5mm
23mm Width
White Nylon
OE:001-988-80-81



12

725196
Moulding Clips
Overall Length: 25mm
Overall Hgt: 21.5mm
18.5mm Width
Front & Rear Door
OE:001-988-46-81



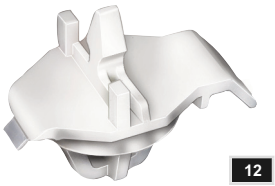
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725197
Moulding Clips
Overall Length: 48mm
Overall Hgt: 15mm
32.5mm Width
Front & Rear Door
OE:007-988-71-78



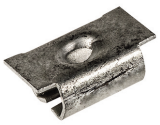
12

725198
Moulding Clips
Head Size: 12.5mm X 15.5mm
Stem Length: 7mm
Overall Hgt: 15.5mm
Front Fender
OE:001-988-60-81



12

725199
Moulding Clips
Overall Length: 32mm
Overall Hgt: 25.5mm
19mm Width
Quarter Panel
OE:001-988-63-81



12

725205
Sheet Metal Nuts
Screw Size: M4.8-1.61 (No. 10)
Head Size: 10mm X 19mm
Overall Hgt: 7.5mm
Shield Clip Nut
OE:001-994-98-45



25

716805
"U" Speed Nuts
4.2mm Screw
7.5mm Depth
.5 - 1.7mm Panel Range
8mm Center Of Hole To Edge
OE:000-994-04-45



25

716811
"U" Speed Nuts
6.3mm Screw
13mm Depth
.7 - 1.5mm Panel Range
13mm Center Of Hole To Edge
OE:000-994-09-45, 20-72-175, 946-418



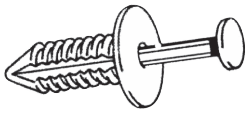
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724094
"U" Speed Nuts
4.2mm (No. 8) Screw
14mm Center Of Hole To Edge
.5 - 2.5mm Panel Range
Zinc & Yellow
OE:123-994-08-45



10

725200
Nylon & Metal Retainers
14.5mm X 47mm
Overall Length: 43mm
Black Phosphate Plated Steel
Front & Rear Door
OE:124-988-94-78



6

724509
Drive Type Rivet Retainers
Head Dia: 16mm
Stem Dia: 18mm
Fits: 7mm Hole
Black Nylon
OE:124-990-04-92

MERCEDES

Illustrations are actual size unless otherwise noted.



10

725201
Push Type Retainers
Fits: 6mm Hole
Head Size: 11mm
Stem Length: 16mm
Black Nylon/ Santoprene Rubber
OE:000-991-59-40



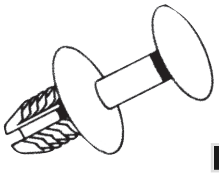
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725202
Push Type Retainers
Fits: 8mm Hole
Head Size: 16mm
Stem Length: 11mm
Black Nylon
OE: 000-990-29-92, 000-990-60-92, 001-990-16-92, 114-990-01-92, 1104882, 1268642, 1719245, 9133417



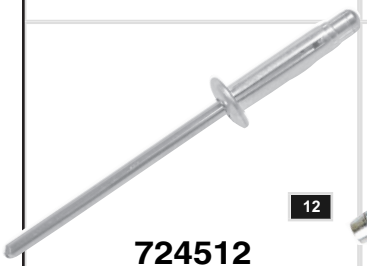
12

725203
Retaining Pins
Head Size: 15mm X 15mm
Overall Length: 31mm
Rear Entry Scuff Plate
Black Nylon
OE:2D1-867-741, A901-988-00-25



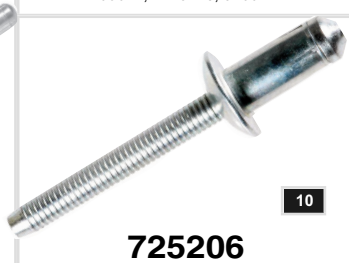
6

724517
Hood Insul. Drive Type Rivets
Head Dia: 20mm
Stem Dia: 9.5mm
Fits: 8mm Hole
Panel Range: 5mm
OE:230-990-01-92



12

724512
Bumper Blind Rivets
Head Dia: 5/16 (m8)
Dia: 5/32 (m4)
.040 - .275 (1 - 7.5mm) Grip Range
Leg Retention Style
OE:003-990-94-97



10

725206
Specialty Rivets
Diameter: 1/4 (6.3mm)
Grip: 3/16 - 17/64
Flange: 1/2
Steel Rivet/ Mandrel
OE:004-990-16-97



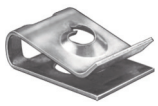
12

725204
Sems Tapping Screws
Head Size: M4.8-1.61 X 20mm
Hex Head Sems
26mm Washer OD
Front Bumper/ Moulding Strip
OE:201-990-05-36



12

724743
Moulding Nuts
Flange: 16mm
Overall Hgt: 11mm
5mm Stud Size; 10mm Hex
Nylon Flange Nut
OE:003-990-02-51, 16-13-1-176-747



25

716804
“U” Speed Nuts
4.2mm Screw
7mm Depth
3 - 4mm Panel Range
7mm Center Of Hole To Edge
OE: 000-904-24-45, 0712-9-925-708



25

716807
“U” Speed Nuts
4.8mm Screw
12mm Depth
.8 - 1.7mm Panel Range
11mm Center Of Hole To Edge
OE:000-994-14-45, 0711-9-916-945



25

716809
“U” Speed Nuts
4.8mm Screw
12.5mm Depth
.5 - 1.7mm Panel Range
7mm Center Of Hole To Edge
OE:000-994-06-45, 0712-9-925-737

MITSUBISHI

Illustrations are actual size unless otherwise noted.



12

725240
Grille Clips
Overall Length: 24mm
14mm Width
Radiator Grille Cowl
Gray Nylon
OE: MR221507,90467-13075



10

716848
Screw Grommets
16mm Stem
Fits: 6mm Square Hole
13.5mm Head Dia.
4mm Screw
OE:MB106212,01281-00151, 01281-00161, 790184000, 90672-671-811, 96706-H9400, 96706-K1300, 96706-K1351



25

725241
Nylon Nuts
Fits: 6mm X 6mm Hole
Screw Size: M3.5 (No. 6)
Head Size: 10mm X 10mm
Stem Length: 7mm
OE:MU480001



12

725245
Retainers W/ Sealer
Top Head: 12mm
Bottom Head: 16mm
Stem Dia: 8mm X 8mm
Stem Length: 14mm
OE:MR322000



10

725243
Push Type Retainers
Head Dia: 15mm
Stem Dia: 11mm
Fits: 6mm Hole
Black Nylon
OE:MR288150



12

725242
Tapping Screws
Screw Size: M6-1.81 X 20mm
13mm Washer OD; 10mm Hex
Phillips Head Sems
Bumper, Exterior Trim
OE:MS452348



25

725244
Tapping Screws
Screw Size: M5-1.59 X 11mm
Head Size: 11mm
Phillips Truss Head
Interior Trim
OE:MF453091



25

717608
Trim Panel Clips
OE:MB-178894



7

723206
Moulding Grommets
15.5mm Flange
21.5mm Overall Length
1.5mm Panel Range
9mm Hole
OE:MR478263



6

724552
Spoiler Grommets W/sealer
Head Dia: 12 X 16mm
Stem Dia: 14mm
Back Glass Lower & Quarter
Black Nylon
OE:MB645307



10

716857
Screw Grommets
17mm Stem
16mm Head Dia.
8mm Square Hole
4mm Screw
OE:MS-480012,01651-00481,74798-S9000, 90189-06042, 90661-SC7-003, H001-50-841



10

716864
Screw Grommets
17mm Stem
18mm Head Dia.
8.5mm Square Hole
5mm Screw
OE:MB-098145, 01281-00028, 90189-06001



25

717611
Screw Grommets
9.5mm W; 9.5mm L
7mm Square Hole
4mm Screw
White Nylon
OE:MS-480001,75522-611-0000, 97606-B0700,9991-00-412



25

716793
Headlamp Bezel & Grille Nuts
12mm W, 12mm L
8 X 9mm Hole
5mm Screw
Natural Nylon
OE: MS-480002, 90189-05013, 94841764



5

720556
License Plate Nuts
Fits: 3/8 Hole
1/4 (No. 14) Screw
Door Lock Remote Control
Natural Nylon
OE:6027958



7

720637
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Black Nylon
OE:MR328954,01553-09321

Illustrations are actual size unless otherwise noted.

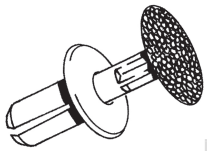


12

720901

Drive Type Retainers

Head Dia: 20mm
Stem Dia: 11mm
Fits:8mm Hole
Front Fender & Bumper Support
OE:MU000319, 91512-SX0-003

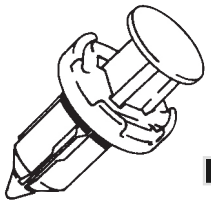


7

723207

Drive Type Retainers

Head Dia: 14mm
Stem Dia: 12mm
Fits:7mm Hole
Bumper Cover & Garnish
OE:MR478262

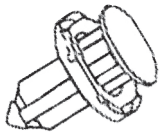


12

723208

Drive Type Retainers

Head Dia: 18mm
Stem Dia: 12mm
Fits:9mm Hole
Fender & Bumper
OE:MR200300



7

723095

Push Type Retainers

Head Dia: 18mm
Stem Dia: 12mm
Fits:9mm Hole
Fender & Bumper
OE:MR200300

SUBARU

Illustrations are actual size unless otherwise noted.



12

725406
Weatherstrip Clips
Bottom Head Dia: 5mm X 14mm
Top Head Dia: 7mm
Stem Dia: 8.5mm
White Nylon
OE:90331-AA050



12

725407
Weatherstrip Clips
Bottom Head Dia: 9mm
Top Head Dia: 6.5mm
Stem Dia: 13mm
Black Nylon
OE:90331-GA090



12

725361
Grille Clips
Overall Hgt: 27mm

Gray Nylon
OE:91017-FA080



12

725362
Grille Clips
Top Head: 15.5mm X 11mm
Bottom Head:19.5mm X 14mm
Stem Length: 11mm
Black Nylon
OE:91059-FC090



12

725365
Rocker Panel Moulding Clips
Bottom Head Dia: 17mm
Top Head Dia: 11mm X 14mm
Stem Dia: 9.7mm
Stem Length: 12mm
OE:90913-0109



12

725366
Moulding Clips
Top Head: 11mm X 15mm
Bottom Head:14mm X 22.5mm
Stem Length: 13mm
Overall Hgt: 24mm
OE:91059-FC041



12

725367
Moulding Clips
Top Head: 9mm X 11mm
Bottom Head: 14mm X 17mm
Stem Length: 11mm
Upper Front Bumper Exten.
OE:57160-FC010



12

725368
Moulding Clips W/ Sealer
Fits: 9mm Hole
Top Head: 11mm X 14mm
Bottom Head: 17mm
Stem Length: 12mm
OE:91059-FC030



12

725369
Moulding Clips W/ Sealer
Top Head: 11mm X 14mm
Bottom Head: 17mm
Stem Dia: 10mm
Stem Length: 11mm
OE:90913-0008



12

725370
Moulding Clips W/ Sealer
Head Size: 21.5mm X 24mm
Stem Dia: 14.5mm
Stem Length: 17mm
White Nylon
OE:91059-FC110



12

725363
Grommets
Fits: 7mm Hole
Head Size: 14mm
Stem Length: 7mm
Cowl & Dash Grommet
OE:91486-KJ000



12

725364
Grommets W/ Sealer
Fits: 8mm Hole
Head Size: 17.5mm
Stem Length: 15mm
Cowl Top, Quarter Glass, Ext.
OE:91167-AA000



12

725401
Screw Grommets
Fits: 7mm Square
Screw Size: M4.8 (No. 10)
Head Size: 12mm
Stem Length: 15mm
OE:90930-0015



12

725402
Screw Grommets
Fits: 8mm Square Hole
Screw Size: M4.8 (No. 10)
Head Size: 13mm
Stem Length: 8mm
OE:94081-FA010



12

725403
Screw Grommets
Fits: 8mm Square Hole
Screw Size: M3.5 (No. 6)
Head Size: 11 X 11mm
Stem Length: 10mm
OE:62731-FA010



12

725404
Screw Grommets W/ Sealer
Screw Size: M4.8 (No. 10)
Head Size: 16mm X 16mm
Stem Length: 19mm
Rear Bumper Reinforce Beam
OE:57750-FC010

SUBARU

Illustrations are actual size unless otherwise noted.



10

725405
Screw Grommets W/ Sealer
Screw Size: M5.5 (No. 12)
Head Size: 20mm
Stem Length: 18mm

OE:91084-AA010



12

725372
Nylon Nuts
Screw Size: M4.8 (No. 10)

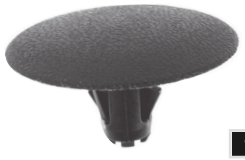
Head Size: 14mm X 14mm
Stem Length: 7mm
OE: 66117-9000, 90930-0007



12

725373
Nylon Nuts
Fits: 7mm X 7mm Hole
Screw Size: M3.5 (No. 6)
Head Size: 10mm X 10mm
Stem Length: 5mm

OE:62731-FA000



10

725392
Retainers
Head Size: 30mm
Stem Dia: 6.5mm
Stem Length: 13mm
Black Nylon

OE:90814-FC001



12

725394
Retainers
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 11mm

OE:90913-0034



12

725395
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.3mm
Stem Length: 10mm

OE:69300-5370



10

725398
Retainers W/ Sealer
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm

OE:90913-0213



12

725400
Retaining Clips
Head Size: 9.3 X 14.5mm
Stem Dia: 7mm
Stem Length: 16mm
Front Hood Cowl

OE:91167-FA010



12

725371
Moulding Retainers W/ Sealer
Bottom Head Dia: 18mm
Top Head Dia: 11mm X 15mm
Stem Dia: 9.7mm
Stem Length: 12mm

OE:90913-0007



10

725393
Hood Insulation Retainers
Bottom Head Dia: 30mm
Top Head Dia: 7.7mm
Stem Dia: 13mm
Black Nylon

OE:90913-0074



12

725396
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 7.7mm
Stem Dia: 15mm
Black Nylon

OE:99045-AE03AMA



12

725397
Retainers
Bottom Head Dia: 20mm
Top Head Dia: 6mm
Stem Dia: 22mm
Black Nylon

OE:95022-AC040ML



10

725374
Push Type Retainers
Head Dia: 21mm
Stem Dia: 15mm
Fits: 10mm Hole
Black Nylon

OE:90914-0007



10

725375
Push Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 7mm Hole
Black Nylon

OE:90914-0051



10

725376
Push Type Retainers
Head Dia: 20mm
Stem Dia: 12mm
Fits: 7mm Hole
Black Nylon

OE:90914-0063



5

725377
Push Type Retainers
Head Dia: 25mm
Stem Dia: 12mm
Fits: 11mm Hole
Shoulder: 3mm

OE:90914-0055

SUBARU

Illustrations are actual size unless otherwise noted.



10

725378
Push Type Retainers
Head Dia: 18mm
Stem Dia: 10mm
Fits: 8mm Hole
Black Nylon
OE:90913-0067



12

725379
Push Type Retainers
Head Dia: 20mm
Stem Dia: 15mm
Fits: 10mm Hole
Black Nylon
OE:90913-0059



12

725380
Push Type Retainers
Head Dia: 16mm
Stem Dia: 13mm
Fits: 7mm Hole
Black Nylon
OE:91085-TA030



12

725381
Push Type Retainers
Head Dia: 14mm
Stem Dia: 15mm
Fits: 10mm Hole
Black Nylon
OE:57160-FC000



12

725382
Push Type Retainers
Head Dia: 16mm
Stem Dia: 11mm
Fits: 6mm Hole
Black Nylon
OE:90914-0012



12

725383
Push Type Retainers
Head Dia: 20mm
Stem Dia: 10mm
Fits: 8mm Hole
Black Nylon
OE:59122-FA010



12

725384
Push Type Retainers
Head Dia: 22mm
Stem Dia: 28mm
Fits: 10mm Hole
Black Nylon
OE:57750-AA090



12

725385
Push Type Retainers
Head Dia: 20mm
Stem Dia: 12mm
Fits: 7mm Hole
Black Nylon
OE:59122-AC030



12

725386
Push Type Retainers
Head Dia: 9mm
Stem Dia: 7mm
Fits: 4mm Hole
Black Nylon
OE:90913-0003



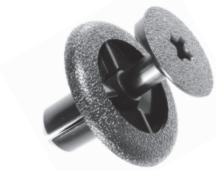
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725387
Push Type Retainers
Head Dia: 20mm
Stem Dia: 11mm
Fits: 7mm Hole
Black Nylon
OE:90914-0052



10

725388
Push Type Retainers
Head Dia: 15mm
Stem Dia: 8mm
Fits: 7mm Hole
Black Nylon
OE:46064-AE000



10

725389
Push Type Retainers
Head Dia: 20mm
Stem Dia: 11mm
Fits: 7mm Hole
Black Nylon
OE:90913-0051



10

725390
Push Type Retainers
Fits: 8mm Hole
Top Head: 25mm
Bottom Head: 21mm
Stem Length: 9mm
OE:94415-FA000NE



12

725391
Push Type Retainers
Head Dia: 25mm
Stem Dia: 16mm
Fits: 11mm Hole
Shoulder: 3mm
OE:90914-0002



12

725399
Trim Panel Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 9 X 9.5mm
OE:94078-FA080



10

725360
Cowl Panel Vent Caps
Top Head: 16mm X 18mm
Bottom Head: 14mm
Stem Length: 12mm
Black Nylon
OE:91486-KJ010

Illustrations are actual size unless otherwise noted.



10

725243

Push Type Retainers

Head Dia: 15mm
Stem Dia: 11mm
Fits:6mm Hole
Black Nylon
OE:MR288150

VW / AUDI

Illustrations are actual size unless otherwise noted.



716307
Door Panel Trim Clips
Fits: 8mm Hole

OE:N90282401



725351
Metal Moulding Clips
Overall Hgt: 22mm
Black Spring Steel

OE:4A0-867-276



725533
Hood Prop Rod Clips
Fits: 7mm Square Hole
Head Size: 15mm
8mm Rod Size
Black Nylon
OE:6N0-823-397-AC



725534
Hood Prop Rod Clips
Fits: 7mm Square Hole
Stem Length: 10mm
8mm Rod Size
Natural Nylon
OE:1H0-823-397



725536
Moulding Clips
Top Head: 11.6mm X 15mm
Bottom Head: 11mm
Stem Dia: 6mm
Stem Length: 14mm
OE:191-853-577-A



725537
Moulding Clips
Stem Length: 10mm
Overall Length: 38.5mm
34mm Width; Door
With Blue Rubber Grommet
OE:1H0-853-585



725538
Moulding Clips
Stem Length: 18mm
Overall Length: 38.5mm
34mm Width; Door
With Blue Rubber Grommet
OE:1H0-853-585-B



725539
Moulding Clips
Stem Length: 11mm
Overall Length: 40mm
23mm Width; Quarter Panel
With Blue Rubber Grommet
OE:1H0-853-585-A



725540
Moulding Clips
8mm Width
Overall Length: 31mm

White Nylon
OE:191-853-733-A



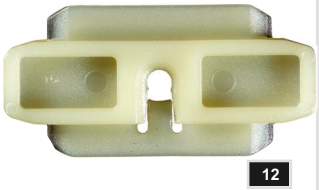
725541
Moulding Clips
24.5mm Width
Stem Length: 12mm
Overall Length: 27mm
With Blue Rubber Grommet
OE:3B0-853-576



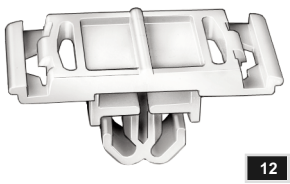
725542
Moulding Clips
16mm Width
Stem Length: 13mm
Overall Length: 17mm
With Blue Rubber Grommet
OE:3A0-853-575-A



725543
Moulding Clips
17.5mm Width
Stem Length: 12mm
Overall Length: 21mm
With Blue Rubber Grommet
OE:3B0-853-575



725544
Moulding Clips
20mm Width
Overall Length: 41.5mm
Frnt Door, Fender, Quarter Panel
Natural Nylon
OE:443-853-909-A



725545
Moulding Clips
22mm Width
Overall Length: 35mm
Overall Hgt: 16mm
Frnt Door, Fender, Quarter Panel
OE:4A0-853-825



725546
Moulding Clips
22mm Width
Overall Length: 35mm
Front & Rear Door
White Nylon
OE:4A0-853-825-A



725547
Moulding Clips
Head Size: 12mm X 15mm
Stem Dia: 10mm
Stem Length: 19mm
Door & Trim Scuff Plate
OE:191-853-577

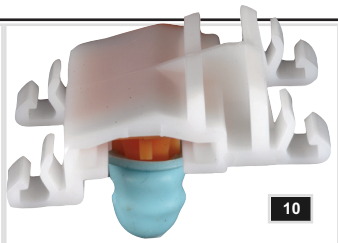
VW / AUDI

Illustrations are actual size unless otherwise noted.



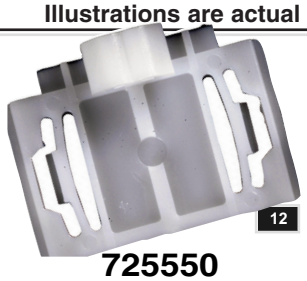
12

725548
Moulding Clips
Fits: 10mm Hole
10mm Wide, Stem Lngth: 11mm
Overall Length: 28.5mm
Rocker Panel
OE:7L0-839-069



10

725549
Moulding Clips
35mm Wide; Stem Lngth: 14mm
Overall Length: 38mm
Door, Fender, Quarter Panel
W/ Blue Rubber Boot
OE:3A0-853-575



12

725550
Moulding Clips
26mm Width, Stem Length: 6mm
Overall Length: 34.5mm
Rear Door
White Nylon
OE:4A0-853-825-C

Smaller than Actual Size



12

725579
Moulding Clips
25mm Width
Overall Length: 40mm
8mm Thickness
White Nylon
OE:6Q0-868-246-A



12

725580
Moulding Clips
Fits: 9mm Hole
Top Head: 13mm X 16mm
Bottom Head: 14mm
Stem Length: 13mm
OE:3C0-853-585



12

725352
Moulding Grommets
Overall Hgt: 16mm
20mm Overall Width
Black Nylon
OE:4A0-805-163



25

725551
Moulding Grommets
Flange: 13mm
Overall Length: 12mm
7mm ID
Blue Rubber
OE:1H0-853-586



12

725574
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 7mm X 12.5mm
Stem Length: 11mm
Black Nylon
OE:811-807-577-C



12

725575
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 12mm
Stem Length: 12.5mm
Black Nylon
OE:867-809-966



12

725576
Screw Grommets
Screw Size: M4.2 (No. 8)
Head Size: 11mm
Stem Length: 13mm
Natural Nylon
OE:165-827-592



12

725577
Screw Grommets
Fits: 6.5 X 8mm Hole
Screw Size: M4.8 (No.10)
Head Size: 12mm
Stem Length: 15mm
OE:6N0-809-966A



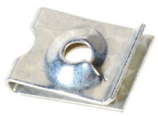
12

725532
Headlight Nuts
Fits: 10mm
Head Size: 14mm X 18.5mm
Overall Length: 15mm
Headlight Adjusting Nut
OE: 191-941-142



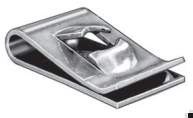
12

725552
Moulding Nuts
Flange: 18.5mm
Overall Hgt: 10.5mm
5mm Stud Size; 10mm Hex
Flange Nut
OE:171-201-969



25

716803
"U" Speed Nuts
4.2mm Screw
7mm Depth
.7 - 1.6mm Panel Range
7mm Center Of Hole To Edge
OE: N15.422.2



25

716808
"U" Speed Nuts
4.8mm Screw
9mm Depth
.9 - 2mm Panel Range
8mm Center Of Hole To Edge



12

725531
Retainers
Head Size: 14mm
Stem Dia: 7mm X 9mm
Stem Length: 18mm
Door Side Panel, Luggage Compart.
OE:801-867-299-01C

VW / AUDI

Illustrations are actual size unless otherwise noted.



725535
Locking Pin Retainers
Head Size: 15.7mm
Overall Length: 27mm
Shoulder Dia: 8.8mm
Shoulder Len: 6.5mm
OE:N90565301,N90642001



725562
Retainers
Bottom Head Dia: 19mm
Top Head Dia: 28mm
Stem Dia: 9mm
Green & Black Nylon
OE:1H0-868-243



725564
Interior Trim Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13.5mm
Stem Dia: 9mm
Stem Length: 14mm
OE:703-867-299



725566
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 14mm
OE:7L5-853-994



725567
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12mm
Stem Dia: 10mm
Stem Length: 12mm
OE:357-853-585-A



725569
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12mm
Stem Dia: 10mm
Stem Length: 16mm
OE:357-853-575



725570
Retainers
Head Size: 25mm
Stem Length: 22mm
Front Fender, Bumper & Engine
Black Nylon
OE:4A0-805-121-A



725572
Retainers
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 11mm
OE:8E0-867-276



725590
Retainers
Top Head: 13mm
Bottom Head: 17.5mm
Stem Dia: 10mm
Stem Length: 16mm



725530
Retainers
Head Size: 23mm
Stem Dia: 11mm
Stem Length: 16mm
Radiator Grille, Scuff Plate
OE:1H0-867-199-01C



725561
Retainers
Bottom Head Dia: 23mm
Top Head Dia: 6.5mm
Stem Dia: 16mm
Black Nylon
OE:1H0-819-055-B01C



725565
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12mm
Stem Dia: 9.5mm
Stem Length: 12mm
OE:171-807-249-A



725571
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12mm
Stem Dia: 10mm
Stem Length: 20mm
OE:357-853-585



725553
Push Type Retainers
Head Dia: 12mm
Stem Dia: 11mm
Fits: 8mm Hole
Dark Gray Nylon
OE:N038-550-1



725554
Push Type Retainers
Head Dia: 16mm
Stem Dia: 15mm
Fits: 8mm X 8mm Hole
Black Nylon
OE:1H0-819-055-C01C



725555
Push Type Retainers
Head Dia: 24mm
Stem Dia: 13mm
Fits: 9mm X 9mm Hole
Black Nylon
OE:1H0-867-199-A

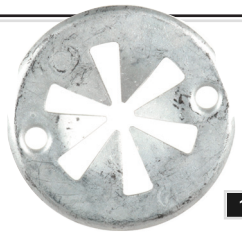
VW / AUDI

Illustrations are actual size unless otherwise noted.



12

725556
Push Type Retainers
Head Dia: 18.5mm
Stem Dia: 11mm
Fits: 9mm Hole
Gray Nylon
OE:701-867-299



12

725557
Push Type Retainers
5mm Stud Size
Radiator Support & Splash Shie
30mm OD
Dacromet
OE:N90-796-501, N90-796-502, 441-863-987-B



12

725558
Push Type Retainers
5mm Stud Size
Splash Shield & Wheel Well
30mm OD
Dacromet
OE:N90-335-006



12

725559
Push Type Retainers
Head Dia: 14mm
Stem Dia: 10mm
Fits: 8.5mm Hole
Black Nylon
OE:333-867-633-4FB



10

725560
Push Type Retainers
Head Dia: 22.5mm
Stem Dia: 8mm
Fits: 8mm Hole
Black & White Nylon
OE:6Q0-868-243



12

725563
Trim Panel Retainers
Bottom Head Dia: 28.5mm
Top Head Dia: 9.5mm
Stem Dia: 11mm
Tan & White Nylon
OE:1H0-868-243-B



10

725573
Trim Panel Retainers
Top Head: 16mm
Bottom Head: 16mm
Stem Dia: 10mm
Stem Length: 9mm
OE:6Q0-868-297



12

725578
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 22m
Stem Dia: 9mm
Stem Length: 11mm
OE:6K0-868-243-C



12

725568
Weatherstrip Retainers
Bottom Head Dia: 6mm X 15mm
Top Head Dia: 7.5mm
Stem Dia: 17mm
Black Nylon
OE:1H0-837-719



12

725350
Rivets
Diameter: 6mm
Grip: 2.0 - 8.5mm
Flange: 13mm
Natural Nylon
OE:N908-131-01



25

716887
Metric Hex Nuts
M6-1.00
16mm Washer Diameter
W/ Free Spinning Washer
Phosphate
OE: N90100001, 11503752, 11505329



12

725103
Retainers
Top Head: 13mm
Bottom Head: 17.5mm
Stem Dia: 10.5mm
Stem Length: 15mm
OE:1008068, 7M0-867-299-K, 7M3-867-299, DYC500020



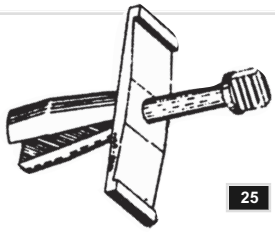
25

716357
Trim Panel Retainers
Bottom Head Dia: 19mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:175-867-299,8 934-201-681



25

718230
Door Trim Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 11/16
OE:N98905101, 385661-S, 4005470, 6003349, 6032363, 9685057



25

718743
Push Type Retainers
8 X 27mm Head
Fits: 8mm Hole
Grille Attachment
OE:175-853-695A,14015161



12

725203
Retaining Pins
Head Size: 15mm X 15mm
Overall Length: 31mm
Rear Entry Scuff Plate
Black Nylon
OE:2D1-867-741, A901-988-00-25

VW / AUDI

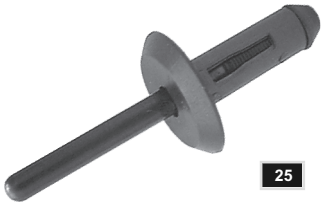
Illustrations are actual size unless otherwise noted.



817106

Nylon Blind Rivets

13/64 (5mm) Hole Dia.
Grip Range: 1/8-15/64 (3-6mm)
15/32 (12mm) Head Dia.
Automotive OEM Approved
OE:175-853-577, 20432975, 6500899



817113

Nylon Blind Rivets

17/64 (6.75mm) Hole Dia.
Grip Range: 3/32-3/16 (2.5-4.75mm)
23/32 (18mm) Head Dia.
Automotive OEM Approved
OE:175-853-577A,20433026

OTHER MANUFACTURERS

Illustrations are actual size unless otherwise noted.

LAND ROVER



12

725102
Moulding Clip
Top Head: 12.5mm
Middle Head: 15mm
Bottom Head: 15mm
Stem Dia: 10.2mm
OE:DYC101420

VOLVO



12

725510
Moulding Clips
Fits: 8mm Hole
Top Head: 16mm
Middle Head: 17.5mm
Bottom Head: 17mm
OE:30624192

VOLVO



12

725511
Moulding Clips
Fits: 8mm Hole
Top Head: 15mm X 17mm
Bottom Head: 9mm X 16mm
Stem Length: 11mm
OE:30784514

VOLVO



12

723155
Screw Grommets
14mm Flange
0.7 - 2.5mm Panel Range
Fits: 9mm Square Hole
Front Bumper
OE:1318908-9

RENAULT



25

718100
Moulding Clips
Bottom Head Dia: 1/2
Top Head Dia: 9/32
Stem Dia: 11/16
Rear Window
OE:7703-077-066

LAND ROVER



12

725103
Retainers
Top Head: 13mm
Bottom Head: 17.5mm
Stem Dia: 10.5mm
Stem Length: 15mm
OE:1008068, 7M0-867-299-K, 7M3-867-299, DYC500020

VOLVO



12

725512
Retainers
Top Head: 13mm
Middle Head: 13mm
Bottom Head: 17mm
Stem Dia: 8mm
OE:30653441

FIAT



12

724810
Retainers
Head Size: 20mm
Stem Dia: 8mm
Stem Length: 23mm
Black Nylon
OE:14592087

FIAT



12

724811
Retainers
Head Size: 20mm
Stem Dia: 8mm
Stem Length: 23mm
Gray Nylon
OE:14592086

LAND ROVER



12

725100
Retainers
Head Size: 14mm
Stem Dia: 6mm
Stem Length: 17mm
Side Door Trim Panel
OE:MWC9134

LAND ROVER



10

725101
Retainers
Head Size: 10.7mm
Stem Dia: 5.8mm
Stem Length: 14mm
Door Panel
OE:MXC1800

RENAULT



12

725330
Retainers
Head Size: 13mm
Stem Dia: 7mm
Stem Length: 15mm
Black Nylon
OE:77-03-077-080

RENAULT



12

725331
Retainers
Head Size: 15mm
Stem Dia: 8mm
Stem Length: 17mm
Black Nylon
OE:77-03-077-231

RENAULT



12

725332
Retainers
Head Size: 35mm
Stem Dia: 10 X 10.5mm
Stem Length: 22mm
Black Nylon
OE:77-03-077-435

RENAULT



12

725333
Retainers
Head Size: 35mm
Stem Dia: 10.5mm
Stem Length: 22mm
Black Nylon
OE:77-03-077-225

RENAULT



12

725335
Retainers
Head Size: 13mm
Stem Dia: 7mm
Stem Length: 17mm
White Nylon

OTHER MANUFACTURERS

Illustrations are actual size unless otherwise noted.

SUZUKI



12

725420
Hood Insulation Retainers
Head Size: 24mm
Stem Dia: 6mm X 6mm
Stem Length: 13mm
Black Nylon
OE:09409-06309-5ES

RENAULT



12

725334
Push Type Retainers
Fits: 8mm Hole
Head Size: 18mm
Stem Length: 14mm
Black Nylon
OE:77-03-072-360

ISUZU



25

717616
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:894-226-4920,67771-01010, 67771-12010F, 9927-40-825

VOLVO



7

720525
Rivets
5/32 (4mm) Rivet
15/32 (12mm) Flange
Bumper & Wheel Housing
1/8 - 11/32 (3 - 8.5mm) Grip
OE:979878-6

JAPANESE



25

724601
Metric Trim Screws
6.3mm-1.81 X 16mm
15mm (19/32) Head
Phillips Truss Head
Black Phosphate

ISUZU



15

718711
Screw Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 11mm
Fits:6mm Hole
Black Nylon
OE:894-298-1190, 10998-30880, 90684-SA5-003

RENAULT



12

725566
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 14mm
OE:7L5-853-994

SCION



25

724134
Bumper Cover Retainers
Bottom Head Dia: 19mm
Top Head Dia: 7.5mm
Stem Dia: 16mm
Fits: 6.35mm Hole
OE:90467-A0008

DACIA



12

725330
Retainers
Head Size: 13mm
Stem Dia: 7mm
Stem Length: 15mm
Black Nylon
OE:77-03-077-080

DACIA



12

725331
Retainers
Head Size: 15mm
Stem Dia: 8mm
Stem Length: 17mm
Black Nylon
OE:77-03-077-231

DACIA



12

725332
Retainers
Head Size: 35mm
Stem Dia: 10 X 10.5mm
Stem Length: 22mm
Black Nylon
OE:77-03-077-435

DACIA



12

725333
Retainers
Head Size: 35mm
Stem Dia: 10.5mm
Stem Length: 22mm
Black Nylon
OE:77-03-077-225

DACIA



12

725335
Retainers
Head Size: 13mm
Stem Dia: 7mm
Stem Length: 17mm
White Nylon

OPEL



10

725202
Push Type Retainers
Fits: 8mm Hole
Head Size: 16mm
Stem Length: 11mm
Black Nylon
OE: 000-990-29-92, 000-990-60-92, 001-990-16-92, 114-990-01-92, 1104882, 1268642, 1719245, 9133417

VOLVO



10

725202
Push Type Retainers
Fits: 8mm Hole
Head Size: 16mm
Stem Length: 11mm
Black Nylon
OE: 000-990-29-92, 000-990-60-92, 001-990-16-92, 114-990-01-92, 1104882, 1268642, 1719245, 9133417

DACIA



12

725334
Push Type Retainers
Fits: 8mm Hole
Head Size: 18mm
Stem Length: 14mm
Black Nylon
OE:77-03-072-360

OTHER MANUFACTURERS

Illustrations are actual size unless otherwise noted.

OPEL



716811
"U" Speed Nuts
6.3mm Screw
13mm Depth
.7 - 1.5mm Panel Range
13mm Center Of Hole To Edge
OE:20-72-175, 000-994-09-45, 946-418

VOLVO



716811
"U" Speed Nuts
6.3mm Screw
13mm Depth
.7 - 1.5mm Panel Range
13mm Center Of Hole To Edge
OE: 946-418, 000-994-09-45, 20-72-175

INTERCHANGES

Illustrations are actual size unless otherwise noted.

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OEM to PART NUMBER INTERCHANGE

OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
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6992.31	725316	2964547	720382	6000720	516259	6504043	720380
45267	717106	2968521	717251	6000943	717322	6504072	720981
152273	717104	3065575	717163	6003349	718230	6504090	718730
332364	716319	3071437	717469	6003351	717131	6504090	723025
363137	716315	3078511	717320	6004212	817120	6504452	720739
365718	717471	3081052	717713	6010046	516259	6504521	720608
367291	717034	3454220	717707	6027958	720556	7693140	717223
367292	717033	3454221	717708	6030441	717130	7698976	717222
378668	717716	3533539	527104	6031115	52727	8717859	717226
380382	718899	3540161	527104	6031321	716319	8736586	717223
385677	720499	3691590	716319	6031383	718738	8763591	717222
389358	716319	3744999	516259	6031390	718728	9114472	724951
407217	717255	3760130	717709	6032138	527117	9133417	725202
411700	716339	3760131	717710	6032235	718228	9423101	723028
469716	717713	3783006	702555	6032363	718230	9428196	716224
469718	717716	3786805	717107	6032516	716635	9428481	511118
472434	718728	3861577	716333	6032832	718227	9431530	720216
474821	717033	3907444	702559	6032926	527102	9431647	511120
480534	718728	3960314	717250	6033854	718891	9431911	717522
588546	717103	3977775	717320	6034212	723182	9431911	717588
1008068	725103	3986997	717254	6100047	720297	9432137	527117
1016937	724602	4000141	718899	6100049	720299	9432552	527111
1104882	725202	4004569	716319	6100539	720157	9433043	717481
1268642	725202	4005091	718840	6100566	720164	9433155	720217
1480627	720237	4005470	718230	6100567	717463	9433156	720218
1494252	720237	4005513	717131	6100568	717464	9433186	724013
1494253	717107	4005540	716409	6101283	717271	9436175	52727
1494254	717109	4005791	52727	6500859	817107	9437486	527102
1494257	717106	4006529	716313	6500899	817106	9437643	723019
1494258	717108	4200408	716864	6500911	817110	9439576	527112
1500371	717477	4200408	716894	6501067	718226	9439719	527108
1564189	717255	4234830	717719	6501086	716350	9440392	527113
1605396	717130	4341060	716314	6501086	720059	9616231	716221
1619321	718618	4370138	817118	6501178	716897	9685057	718230
1631564	716309	4381395	716350	6501301	720377	9721917	717166
1633999	718725	4381395	720059	6501559	817111	9731301	716409
1636632	718729	4533699	717219	6501590	718427	9818648	52616
1640810	717451	4658673	720375	6501948	720381	9854717	717226
1651249	716225	4658676	717707	6501948	720927	9883583	52616
1689827	717182	4658677	717708	6502078	717130	10008002	717108
1690410	718656	4676356	720523	6502104	720384	10009923	503157
1699250	716320	4696129	724606	6502328	716424	10018611	716861
1703731	717495	4717224	720925	6502625	720334	10036503	817124
1719245	725202	4755299	702559	6502871	718716	10037786	720194
1746408	718813	4876498	717212	6503204	720733	10051034	716101
1758099	516259	5208743	716313	6503221	716323	10051034	716119
2024778	723202	5482087	724880	6503336	724532	10053182	718721
2064891	52616	5482103	724111	6503401	720754	10063599	720376
2085119	527104	5973400	718644	6503454	720609	10069112	817119
2337873	717109	5973823	718645	6503598	724133	10073833	718657

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OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
10082036	720137	11501850	717287	11504499	720143	11571175	724891
10082553	720335	11501884	724600	11504531	720217	11571175	724901
10109689	817130	11501889	717270	11504570	717459	11588308	724907
10114597	716101	11501927	717492	11505022	723356	11588441	724913
10114597	716119	11501932	717485	11505023	723355	11588650	724232
10120517	718811	11501937	717491	11505044	720187	11588863	724188
10125439	527110	11502449	717450	11505045	718942	11589176	724510
10130851	720140	11502540	720327	11505329	716887	11589289	724205
10131511	723182	11502605	717269	11505773	718807	11589290	724138
10139822	720669	11502607	720141	11505816	720151	11589291	724206
10140480	720334	11502609	717270	11506174	717467	11589292	724208
10155743	718811	11502617	717271	11507036	717270	11589293	724139
10157547	527105	11502624	717269	11508241	717262	11589294	724209
10157900	720333	11502630	716223	11508248	716819	11589295	724210
10169777	720379	11502635	720304	11509096	720193	11589296	724211
10283414	720580	11502722	716895	11509153	718809	11609292	724955
10287971	716344	11502785	717266	11509511	717269	11609385	717262
10301966	723031	11502790	717470	11509816	717459	11609417	724109
10305191	724153	11502794	717490	11513599	724528	11609483	724920
10350983	724950	11502941	717467	11514623	717459	11609651	724895
10351052	724947	11503289	716222	11516150	717482	11609923	724902
10363811	723364	11503317	717482	11516372	723204	11609952	724943
10369649	724928	11503499	718959	11516845	724541	11610157	724942
10405030	720580	11503564	717274	11517803	720333	11610198	724515
10425306	723031	11503564	717483	11517824	723013	11610495	724939
10426555	724909	11503578	717259	11518017	723309	11610544	724958
10431761	720943	11503619	717473	11518357	723300	11610605	724927
10444839	724932	11503633	720190	11518531	724554	11610606	724936
10445899	724894	11503668	720193	11519030	723358	11610747	724926
11500401	717478	11503685	717266	11519807	724116	11610748	724930
11500402	720170	11503695	717478	11546635	724956	11611079	724903
11500434	717451	11503698	717494	11547210	724906	11611110	724912
11500657	720316	11503702	720189	11561368	724140	11611375	724898
11500658	717481	11503715	717262	11561382	724515	11611435	724899
11500660	717271	11503719	717261	11561499	724949	11611626	724904
11500661	717482	11503736	717493	11561500	724948	11612122	724956
11500662	717274	11503745	717260	11561654	724916	12160858	723304
11500662	717483	11503752	716887	11561857	724513	12337868	717719
11500747	717265	11503753	717475	11561874	724908	12337873	717109
11500754	717470	11503785	717259	11561878	724603	12337915	817130
11500961	717263	11503800	723276	11561987	724945	12337920	716336
11500969	717268	11503823	717467	11562250	724901	12338011	716101
11500970	717472	11503834	720184	11562503	724941	12338011	716119
11500996	723355	11503892	717451	11562568	724954	12338015	717256
11501102	717473	11503957	718261	11569700	724953	12338074	717363
11501105	720188	11503957	724602	11569921	724957	12338153	52729
11501106	717265	11504035	717266	11570830	724924	12531204	724012
11501184	717264	11504119	503159	11570847	724905	13144822	724946
11501188	717474	11504303	717460	11571118	724877	13252118	724919
11501193	717272	11504492	720192	11571119	724878	13252119	724918
11501849	503158	11504493	717468	11571159	724922	13365058	724937

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OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
14007510	717033	15864780	724957	20429500	717238	24405740	724896
14007940	716776	15931605	724935	20430421	716356	24449408	724952
14011722	717254	15944588	724933	20432975	817106	24501057	724237
14013246	718604	15958694	717130	20433026	817113	25016383	716316
14015161	718743	15960325	724129	20451119	718672	25517947	718671
14015876	716820	15960621	720585	20451401	716317	25524005	817123
14019205	718730	15964971	717363	20452072	817111	25531999	724526
14019205	723025	15964972	717364	20455900	716303	25618730	527109
14019206	718730	15967691	717397	20465395	817120	25631448	720754
14019206	723025	15969147	724133	20480475	716342	25648693	723017
14019226	718739	15975244	720371	20490398	716822	25680782	720669
14027471	718627	15989431	724921	20510029	718679	25691949	723180
14032200	718742	15993201	720333	20514862	716322	25704001	723180
14039420	718740	15994165	723308	20582532	716647	25704358	724940
14044215	718670	16500283	718647	20585900	720152	25705182	724870
14045480	718662	16514113	718730	20612732	817121	25732397	724146
14051674	717719	16514113	723025	20633148	716647	25742293	724534
14063981	817110	16629990	721051	20687704	718729	25744385	724893
14066728	717256	16632192	717364	20699808	716424	25749564	724931
14071289	718739	16632193	717363	20709017	720372	25774893	724892
14074081	716351	16675980	721051	20713843	527101	25775903	724889
14078435	52791	19260056	724872	20729523	720373	25796285	724900
14090382	718932	19260058	724886	20732399	716319	25803643	724944
14093088	718423	19260060	724885	21030249	724133	25822063	724915
14093311	716319	19260061	724883	21035345	723013	25922739	724890
14101262	718734	19260063	724876	21042958	716337	30006620	720807
14592086	724811	19260663	724881	21075686	724603	30624192	725510
14592087	724810	20003056	723212	21077123	720917	30653441	725512
15002519	717485	20003056	723231	21077575	724606	30784514	725511
15022087	720677	20008799	717714	21094146	720377	34201287	720182
15056810	723024	20030401	718616	21095797	724116	34201621	718730
15153415	720586	20032850	716333	22189414	723196	34201621	723025
15296830	724207	20035600	716220	22512276	716323	34202335	720374
15506827	817129	20064875	718615	22527720	716352	34202672	718679
15562609	717364	20073750	718812	22531616	717274	88891731	717397
15588024	716301	20083312	720186	22531616	717483	88970494	723317
15591860	717397	20123070	716101	22535007	718744	88970747	720632
15595172	817112	20123070	716119	22538004	720025	88970767	723368
15596301	716301	20158344	717716	22585836	720667	88973676	723317
15600382	718657	20184399	52729	22641917	720667	89025539	723290
15614746	724555	20319841	718654	22690838	724910	89026634	724929
15653790	720999	20325696	527114	22691056	724514	89026635	724934
15672183	720998	20328600	716101	22699649	723364	92139147	724959
15679091	718716	20328600	716119	22704458	723364	94051993	718710
15681408	718733	20351035	720184	22713392	723364	94198687	718720
15683327	724879	20374473	716336	22718305	716305	94530385	724887
15691493	717363	20421672	817112	22718305	716306	94530742	724888
15691595	717397	20421800	718657	22718369	724914	94841764	716793
15733971	721034	20423550	716219	22722859	723364	94842841	716329
15748479	723029	20423647	817105	22722860	723364	94849113	716329
15802005	724917	20429451	716338	24405739	724897	94853733	720550

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OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
94854203	720630	01553-06071	725284	1H0-837-719	725568	388577-S	717130
94858509	720632	01553-08231	725283	1H0-853-585	725537	388664-S100	52794
94858560	720782	01553-08911	725273	1H0-853-585-A	725539	388904-S	716350
95005064	716343	01553-08961	725288	1H0-853-585-B	725538	388904-S	720059
95008221	720776	01553-09241	720796	1H0-853-586	725551	388908-S	716325
95008221	720807	01553-09321	720637	1H0-867-199-01C	725530	388930-S	716321
95230842	724911	01553-09611	723186	1H0-867-199-A	725555	389144-S	718415
790184000	716848	01553-09791	725289	1H0-868-243	725562	389268-S100	52729
000-904-24-45	716804	01553-2U001	725294	1H0-868-243-B	725563	389443-S	716349
000-990-29-92	725202	01553-S3500	716308	1R3Z-18D434-BA	724822	390017-S2	716219
000-990-60-92	725202	01651-00481	716857	20-72-175	716811	390523-S	716644
000-991-59-40	725201	06509673AA	724787	201-990-05-36	725204	3A0-853-575	725549
000-994-04-45	716805	07-13-1-480-419	725222	230-990-01-92	724517	3A0-853-575-A	725542
000-994-06-45	716809	07-13-2-757-821	725221	24225-89960	725264	3B0-853-575	725543
000-994-09-45	716811	07-13-7-073-915	725220	26398-ED000	725063	3B0-853-576	725541
000-994-14-45	716807	07-14-7-122-913	724749	26557-2U001	725294	3C0-853-585	725580
001-988-44-81	725194	07-14-9-158-194	724755	2D1-867-741	725203	3M8Z-16K262-A	724820
001-988-46-81	725196	0711-9-916-945	716807	333-867-633-4FB	725559	3M8Z-17C432-A	724844
001-988-49-81	725190	0712-9-925-706	716802	34301-692A-0000	716870	4389940-AB	724779
001-988-50-81	725193	0712-9-925-708	716804	357-853-575	725569	4389947-AA	724785
001-988-60-81	725198	0712-9-925-720	716810	357-853-585	725571	441-863-987-B	725557
001-988-63-81	725199	0712-9-925-737	716809	357-853-585-A	725567	443-853-909-A	725544
001-988-80-81	725195	09409-06309-5ES	725420	372820-S36	52792	45265-S2	717109
001-990-16-92	725202	0K95A-68615	725084	372820-S40	52792	45268-S2	717108
001-994-98-45	725205	10116-41810	718736	375373-S	716311	46064-AE000	725388
003-990-02-51	724743	10998-30880	718711	379830-S	717149	47749-50090	725122
003-990-94-97	724512	11296-AG000	724027	380707-S	702563	4784018-AA	724773
004-990-16-97	725206	114-990-01-92	725202	381801-S2	716219	4806271-AA	724774
006-988-89-78	725191	123-994-08-45	724094	381863-S2	720217	4860379-AA	724553
007-988-71-78	725197	124-988-04-78	725192	383033-S101	717216	4878883AA	720907
01241-00881	725279	124-988-94-78	725200	383035-S100	717215	4A0-805-121-A	725570
01281-00022	716795	124-990-04-92	724509	383142-S	718912	4A0-805-163	725352
01281-00028	716864	124-990-04-92	724546	384930-S36	718920	4A0-853-825	725545
01281-0005U	725267	1318908-9	723155	384939-S47	716221	4A0-853-825-A	725546
01281-00151	716848	1395-68-676	718715	385188-S	718400	4A0-853-825-C	725550
01281-00161	716848	16-092-672-80	725310	385189-S100	52727	4A0-867-276	725351
01281-00501	725293	16-13-1-176-747	724743	385330-S	717131	4F1Z-9A317-AA	724821
01281-00691	725292	165-827-592	725576	385595-S	717319	5023111AA	720933
01281-00831	724030	171-201-969	725552	385661-S	718230	5023173AA	723336
01281-01321	725262	171-807-249-A	725565	386553-S	717319	51-11-1-942-789	724731
01553-00051	717610	175-853-577	817106	387258-S	716333	51-11-7-160-451	724742
01553-00172	717620	175-853-577A	817113	387477-S	717214	51-11-8-400-709	724754
01553-0038U	725282	175-853-695A	718743	387496-S	718430	51-12-7-004-445	724745
01553-01182	724028	175-867-299	716357	387843-S	718728	51-12-7-004-445	724753
01553-01251	716327	191-853-577	725547	387843S	718728	51-13-1-829-904	724740
01553-01A50	725290	191-853-577-A	725536	388020-S47	716228	51-13-1-960-054	724738
01553-02253	725291	191-853-733-A	725540	388020-S47X	716222	51-13-2-251-394	724736
01553-02913	725276	191-941-142	725532	388047-S100	52791	51-13-6-440-146	724740
01553-02923	725296	1H0-819-055-B01C	725561	388047-S102	527103	51-13-8-166-675	724737
01553-03101	718713	1H0-819-055-C01C	725554	388442-S100	52793	51-13-8-231-130	724739
01553-05131	725266	1H0-823-397	725534	388499-S	716318	51-32-1-938-884	724757

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OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
51-41-0-407-984	724751	57160-FC000	725381	65613-07010	725486	74798-S9000	716857
51-41-015-44-20	724732	57160-FC010	725367	65722-EA000	725268	75305-S0A-003	724147
51-41-700-16-29	724732	57472-S2	718894	65810-K2000	725269	75305-SHJ-003	724976
51-41-8-224-768	724751	57750-AA090	725384	65810-K2009	720967	75305-SM4-A01	724973
51-41-821-58-06	724755	57750-FC010	725404	65832-F5000	716326	75306-SZA-A01	724972
51-44-7-780-135	724756	59122-AC030	725385	65846-30F00	716326	75316-S9A-004	724705
51-45-030-47-03	724732	59122-FA010	725383	65846-4Z000	725286	75392-35220	725127
51-45-8-161-557	724733	5GUU9K11BA	724210	66117-9000	725372	75393-60030	725128
51-45-8-266-814	724734	5R3Z-54310D12-AAA	724540	66814-01G00	718727	75395-0T010	725446
51-45-816-52-60	724732	5R3Z-54310D12-BAA	724838	66820-61U00	725060	75521-611-0000	716790
51-46-7-002-606	724746	6036007AA	717130	66860-01W01	718710	75522-611-0000	717611
51-47-1-881-521	724735	6036148AA	723388	67771-01010	716343	75545-53010	725144
51-47-1-945-266	724753	61991-35010	725449	67771-01010	717616	75545-53011	725129
51-47-2-499-935	724735	61992-35010	725450	67771-06070	720546	75545-53011	725144
51-47-8-116-564	724735	622A2-9E000	724908	67771-12010F	717616	75819-33010	725443
51-47-8-166-992	724747	622A2-9E000A	724908	67771-12050	720807	75867-06030	725468
51-47-8-183-031	724735	62319-0W000	723096	67771-22010	716679	75867-33030	725473
51-48-8-181-420	724730	62731-FA000	725373	67771-22020	716680	75867-AA010	725473
51-71-7-002-953-2	724125	62731-FA010	725403	67771-30090	720776	75867-AC020	725456
51-71-7-127-742	725223	63844-01A00	718723	67771-32120	725142	76222-SP1-003	724704
51-71-8-184-574	724741	63844-01A99	718672	67771-58010	725445	76647-42010	725464
51-71-8-259-788	724748	63846-5V000	725263	67773-0E020	725124	76817-12060	725455
51-77-7-171-002	724752	63848-01G00-A	724250	67867-0C010	720965	76848-71S00	725277
51-77-7-171-003	724750	63848-40Y00	723381	67867-12150	720965	76853-10010	725458
51161-881-149	723109	63848-9E001	723295	67867-50020	725143	76879-44010	725489
5116530AA	724207	63848-9Y000	725265	67868-02020	720965	76882-0E700	725272
51453-0E010	725138	63876-95596	718722	67868-30030	725477	76882-0M060	725274
51453-48010	725138	63878-01E10	723203	67869-12050	725490	76882-EG01A	725270
51454-0E010	725137	6505292AA	720741	68033794-AA	724770	76906-T3000	716330
51454-48010	725137	6505417AA	720922	68039280-AA	724793	76924-47010	725444
52161-02020	720782	6505539-AA	721036	68061648-AA	724789	76988-3DN0A	725275
52161-16010	720782	6505686AA	723024	68213168-AA	724781	76988-4N000	725271
52161-20010	724451	6505759AA	723212	6822.LL	725315	77-03-072-360	725334
52197-30040	725131	6505759AA	723231	68225214-AA	724782	77-03-072-416	725310
52535-0E030	725448	6505918AA	723213	68425-H5000	716794	77-03-077-080	725330
52535-30150	725139	6506005AA	723338	69293-30030	725441	77-03-077-225	725333
53259-0E010	725135	6506132-AA	723260	69300-5370	725395	77-03-077-231	725331
53867-47020	725442	6506293AA	723338	6973.A9	725314	77-03-077-435	725332
53879-17020	725134	6506807-AA	724556	6991.S6	725317	77-03-077-468	725317
53879-20020	725463	6507055AA	724005	6997.T2	725313	7703-077-066	718100
53879-50020	725121	6507686AA	724005	6K0-868-243-C	725578	7756-1C000	725024
53879-60010	724203	6508072-AA	724775	6N0-809-966A	725577	78856-R4301	716856
53888-48010	725469	6508444-AA	724783	6N0-823-397-AC	725533	7L0-839-069	725548
55156655-AA	724780	6508540-AA	724791	6Q0-868-243	725560	7L5-853-994	725566
55350747AB	720961	6508643-AA	724784	6Q0-868-246-A	725579	7M0-867-299-K	725103
55799-12010	720938	6508712AA	724140	6Q0-868-297	725573	7M3-867-299	725103
57030-S2	50607	6508727-AA	724790	701-867-299	725556	800737-S	718409
57032-S36	718897	6508863AA	724205	703-867-299	725564	801-867-299-01C	725531
57039-S2	718919	6509106-AA	724545	71591-S5A-000	724979	80832-6500	716328
57041-S2	718922	6509590-AA	724771	72311-S5S-003	724710	80833-8500	716328
57048-S2	718926	6509960-AA	724788	72431-S2X-003	724975	80850-89900	725295

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OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
80850-CA003	725064	87756-3E500	725083	90467-05096-22	720508	90467-10206	725471
80874-0P000	723385	87758-35010	725017	90467-05125	725123	90467-11005	716330
80874-AX000	725278	87758-39000	725015	90467-05128	725462	90467-11099	725447
80915-29A66	718715	87758-3E000	725082	90467-05136	725136	90467-12071	725133
80999-VE000	725289	87758-3L000	725019	90467-05138	725120	90467-12072	725130
811-807-577-C	725574	87759-27000	725020	90467-05164-B6	725480	90467-12073	725454
81137-22530	725459	87759-3E000	725082	90467-05164-E2	725475	90467-12074	725132
81150-1A750	725459	87770-27000	725016	90467-06017-20	718720	90467-12075	725457
81496-21010	725452	8934-201-287	720182	90467-06054	717612	90467-12080	725451
8211.WV	725311	8934-201-621	718730	90467-06128	725493	90467-13075	725240
82315-22000	725031	8934-201-621	723025	90467-07050	717620	90467-A0008	724134
82315-27000	725040	8934-201-631	817110	90467-07071-22	725472	90467-A0018	725461
82315-2P000	725034	8934-201-681	716357	90467-07085	723126	90505-SM4-003	724251
82315-33020	725035	894-226-4920	717616	90467-07117	720627	90505-SX0-003	720549
82315-36000	725032	894-243-1900	718715	90467-07137	725125	90602-S2A-003	724971
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84953-AU100	725065	90080-46010	725474	90467-07168	723317	90603-SLJ-003	724520
84953-JA00A	725287	90080-46294	725466	90467-07188	724549	90651-TP8-003	724712
84995-3J101	725285	90084-26001	720771	90467-07195	723191	90656-671-6310M1	716798
85284-4J500	725261	90084-26002	723117	90467-07201	724461	90657-SA6-0030	718720
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85506-4A000	725037	90107-SX0-003	720982	90467-08004	716329	90661-SC7-003	716857
85746-06000LX	725086	90189-04007	716867	90467-08011	716329	90662-671-0030	716794
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86359-33500	725081	90189-06001	716864	90467-08185	723186	90671-S0D-003ZK	724989
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86593-24000	724197	90189-06042	716857	90467-09096	720386	90683-693-0000	716856
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86699-2D000	725085	90189-06104	720985	90467-09127	720629	90684-SA5-003	718711
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87702-H1000	725018	90189-06214	720987	90467-09185	725470	90913-0007	725371
87703-H1000	725011	90189-A0002	725483	90467-09204	725453	90913-0008	725369
87714-FD200	725024	90269-03064	725141	90467-09206	723250	90913-0034	725394
87719-02500	725082	90269-04053	723128	90467-09212	725476	90913-0051	725389
87756-1C000	725024	90269-06054	725488	90467-09227	725467	90913-0059	725379
87756-1F000	725012	90269-A0005	725487	90467-10107	720786	90913-0067	725378
87756-26900	725021	90331-AA050	725406	90467-10183	723368	90913-0074	725393
87756-2G000	725080	90331-GA090	725407	90467-10186	725479	90913-0109	725365
87756-34520	725022	90467-04034	725491	90467-10188	724053	90913-0213	725398
87756-37000	725014	90467-05081	725461	90467-10190	725126	90914-0002	725391

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OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
90914-0007	725374	91545-SE0-003	724250	D1AZ-6522841A	717166	MS-480012	716857
90914-0012	725382	91550-S50-000ZK	724985	D30Z-16776-A	717131	MS452348	725242
90914-0051	725375	91558-SE3-003	724700	D5ZZ-16828A	717183	MU000319	720901
90914-0052	725387	91560-S0X-A01	724992	D5ZZ-16828B	717183	MU480001	725241
90914-0055	725377	91560-S7A-003	724991	D90Z-6522841A	717387	MWC9134	725100
90914-0063	725376	91560-SM4-003	724019	D9ZZ-6643030-AA	721055	MXC1800	725101
90930-0007	725372	91560-SZW-003	724987	DYC101420	725102	N-606675-S2	720158
90930-0015	725401	91560-SZW-J01	724988	DYC500020	725103	N-606676-S53B	702565
91017-FA080	725361	91563-SCV-003	724711	E11451W24	725162	N-621905-S2	720298
91059-FC030	725368	91567-S3M-000	724986	E3DZ-14A163A	718730	N-621907-S2	720301
91059-FC041	725366	91567-SR2-013	724993	E3DZ-14A163A	723025	N-800387-S	716335
91059-FC090	725362	91568-TR0-003	724712	E6AZ-5421952-A	716644	N-802900	716337
91059-FC110	725370	91570-SK7-003ZF	721032	E6DZ-5421952-A	716643	N-803857-S	716310
91084-AA010	725405	91570-SZA-305	724977	E7GZ-17A904-B	718726	N-804349-S	716312
91085-TA030	725380	91578-T0A-003	724980	E83Z-5421952-B	716643	N038-550-1	725553
91167-AA000	725364	91603-SL0-000	724981	EA01-50-037	725164	N09-280305	716335
91167-FA010	725400	934-201-263	717322	F22Z-16774-A	716331	N15.422.2	716803
91486-KJ000	725363	93904-46320	718910	F3LY-14570-B	724603	N304-13-356-A	718720
91486-KJ010	725360	94078-FA080	725399	F57B-16241-AA	724539	N606676-S2	720164
91500-SM4-999AH	718910	94081-FA010	725402	FB01-56-964	718722	N606676-S36	717479
91501-S04-003	720767	94415-FA000NE	725390	G030-68-885B38	716331	N606677-S	720165
91501-SL4-003	720539	946-418	716811	G14S-50-EA1	725165	N606677-S36	721076
91501-SM4-003	724263	95022-AC040ML	725397	G18K-51-SJ3	724516	N606689-S2	720171
91501-SWA-003	724990	96706-89901	716850	G350-68-AB1	723205	N606690-S2	720172
91501-TR0-003	724984	96706-H9400	716848	GA2A-56-694	716331	N621903	716894
91502-SM4-000	724252	96706-K1300	716848	GA2A-58-762	720537	N621906-S2	717476
91503-S0K-A01	723374	96706-K1351	716848	GD7A-50-EA1	724122	N621940	717478
91503-S3Y-003	724978	96706-P0105	716790	GJ6A-50-ES1	724820	N623332-S100	724602
91503-S7A-003	724982	96706-W1000	716846	GJ6A-58-975	725170	N623332-S2	724602
91503-SHJ-A01	724983	97606-B0700	717611	GK2A-50-798	724844	N623332-S53	724602
91503-SZ3-003	720620	979878-6	720525	GS3L-68-615	725161	N623333-S2	717271
91503-SZ5-003	720619	99045-AE03AMA	725396	H001-50-841	716857	N623343-S100	717482
91503-T2A-A01	724970	9924-90-512B	716672	J001-56-741	725172	N623343-S2	717482
91505-S9A-003	724511	9926-50-635	718715	KA78-50-AF4	720989	N800369	716633
91505-S9A-003	724604	9927-40-821	716681	MB-098145	716864	N800369-S2	718907
91505-TM8-003	724707	9927-40-825	717616	MB-178894	717608	N800854-S	717261
91506-S9A-003	724519	9991-00-402	716850	MB106212	716848	N801603-S2	723294
91508-SM4-003	724264	9991-00-403	716839	MB645307	724552	N801925-S	718422
91512-S50-003	724703	9991-00-412	717611	MF453091	725244	N801994-S100	720378
91512-SJ6-J01	724702	9991-00-501	716792	MG350-68AB1	723205	N801994-S100	721007
91512-SM4-003	724255	9991-00-503	716794	MNA01-56-145	718723	N802734-S	716305
91512-SX0-003	720901	9991-00-601	716790	MR200300	723095	N802734-S	716306
91515-SR3-000	720536	A901-988-00-25	725203	MR200300	723208	N802737-S	718429
91518-S10-003	721016	B003-68-865-00	725160	MR221507	725240	N802781-S	718423
91518-SM4-003	720762	B092-51-833	724117	MR288150	725243	N803043-S	817110
91519-SCV-A01	724974	B455-56-135	725171	MR322000	725245	N803170-S	716304
91520-SM4-C01	720760	B467-68-AC3-02	725166	MR328954	720637	N803362-S	718679
91524-SE0-003	724262	BC1D-56-145	723209	MR478262	723207	N803421-S	718427
91530-S0A-003	724706	BF67-50-033	718726	MR478263	723206	N803494-S	718716
91530-SP1-003	720765	BP4K-58-762	725169	MS-480001	717611	N803709-S	718733
91530-ST5-003	720766	C5AB-6220586A	717211	MS-480002	716793	N803716-S	718732

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N803862-S	817111						
N803946-S	718716	W706519-S300	723177				
N804134-S	817117	W706635-SSW	724841				
N804189-S	817105	W706713-S300	723059				
N804379S	716309	W706812-S300	720741				
N804583-S	817114	W708035-S300	723285				
N804674-S	718737	W708319-S300	724845				
N804675-S	817118	W708530-S300	723309				
N804759-S	817118	W708580-S300	724846				
N804837-S	718717	W708633-S300	724839				
N804851-S100	527118	W708777-S437	724852				
N805132-S	817122	W709002-S	723349				
N805592-S100	527109	W709688-S300	724823				
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N806296-S	817128	W710079-S300	724850				
N806340-S	720934	W710250-S300	724525				
N806344-S	723346	W711031-S300	724848				
N807389-S	724133	W711079-S300	724853				
N807620-S100	723182	W711858-S300	724855				
N807721-S	720380	W712196-S300	724139				
N808147-S	720669	W712665-S300	724210				
N808370-S	720383	W713331-S300	724206				
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N90282401	716307	W716503-S300	724834				
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N90642001	725535	W790225-S900	724835				
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NA01-56145	718723						
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OWX68XDB-AA	724786						
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TD11-56-694	725168						
TD12-51-SJ3A	725167						
W525170-S417	720501						
W623-463-S54	716898						
W701295-S301	724518						
W701855-S300	723056						
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W703505-S301	723048						
W705297-S300	724849						
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W705845-S300	724117						
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W705957-S300	723177						

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OEM Number	Part Number
ACURA	
90603-SLJ-003	724520
72311-S5S-003	724710
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90107-SX0-003	720982
90602-SFA-004	724701
90602-SLJ-003	724520
90602-TA0-003	724708
90651-TP8-003	724712
90657-SB0-003	723091
90700-SJ4-000	724260
91501-SL4-003	720539
91503-SZ3-003	720620
91503-SZ5-003	720619
91505-TM8-003	724707
91506-S9A-003	724519
91512-S50-003	724703
91512-SJ6-J01	724702
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91518-SM4-003	720762
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91530-S0A-003	724706
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14019206	723025
14063981	817110
16514113	723025
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8934-201-631	817110

OEM Number	Part Number
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1008068	725103
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165-827-592	725576
171-201-969	725552
171-807-249-A	725565
191-853-577	725547
191-853-577-A	725536
191-853-733-A	725540
191-941-142	725532
1H0-819-055-B01C	725561
1H0-823-397	725534
1H0-837-719	725568
1H0-853-585	725537
1H0-853-585-A	725539
1H0-853-585-B	725538
1H0-853-586	725551
1H0-867-199-01C	725530
1H0-868-243	725562
357-853-585	725571
357-853-585-A	725567
3A0-853-575	725549
3A0-853-575-A	725542
3B0-853-575	725543
3B0-853-576	725541
3C0-853-585	725580
441-863-987-B	725557
443-853-909-A	725544
4A0-805-121-A	725570
4A0-853-825	725545
4A0-853-825-A	725546
4A0-853-825-C	725550
6K0-868-243-C	725578
6N0-809-966A	725577
6N0-823-397-AC	725533
6Q0-868-246-A	725579
6Q0-868-297	725573
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7L5-853-994	725566
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OEM Number	Part Number
AUDI con't	
N90-796-501	725557
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N90642001	725535
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51-41-821-58-06	724755
51-47-1-945-266	724753
51-47-8-116-564	724735
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003-990-02-51	724743
07-14-7-122-913	724749
07-14-9-158-194	724755
0711-9-916-945	716807
0712-9-925-706	716802
0712-9-925-708	716804
0712-9-925-720	716810
0712-9-925-737	716809
16-13-1-176-747	724743
51-11-1-942-789	724731
51-11-7-160-451	724742
51-11-8-400-709	724754
51-12-7-004-445	724745
51-12-7-004-445	724753
51-13-1-829-904	724740
51-13-1-960-054	724738
51-13-2-251-394	724736
51-13-6-440-146	724740
51-13-8-166-675	724737
51-13-8-231-130	724739
51-32-1-938-884	724757
51-41-0-407-984	724751
51-41-015-44-20	724732
51-41-700-16-29	724732
51-44-7-780-135	724756
51-45-030-47-03	724732
51-45-8-161-557	724733
51-45-8-266-814	724734
51-45-816-52-60	724732
51-46-7-002-606	724746
51-47-1-881-521	724735
51-47-2-499-935	724735
51-47-8-166-992	724747
51-47-8-183-031	724735
51-48-8-181-420	724730
51-71-7-002-953-2	724125
51-71-8-184-574	724741

OEM Number	Part Number
BMW con't	
51-71-8-259-788	724748
51-77-7-171-002	724752
51-77-7-171-003	724750
51161-881-149	723109
CHRYLSER	
68033794-AA	724770
332364	716319
367292	717033
380382	718899
389358	716319
472434	718728
474821	717033
480534	718728
1605396	717130
1758099	516259
2085119	527104
2524525	717167
2964547	720382
3454220	717707
3454221	717708
3533539	527104
3540161	527104
3691590	716319
3744999	516259
3760130	717709
3760131	717710
3861577	716333
4000141	718899
4004569	716319
4005091	718840
4005470	718230
4005513	717131
4005791	52727
4006529	716313
4341060	716314
4370138	817118
4381395	716350
4381395	720059
4658673	720375
4658676	717707
4658677	717708
4676356	720523
4696129	724606
4717224	720925
5208743	716313
6000720	516259
6000943	717322
6003349	718230
6003351	717131
6004212	817120

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OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
CHRYLSER con't		6504521	720608	385189-S100	52727	8934-201-621	723025
6010046	516259	9432137	527117	385330-S	717131	8934-201-681	716357
6027958	720556	9436175	52727	385661-S	718230	D30Z-16776-A	717131
6030441	717130	9437486	527102	387258-S	716333	E3DZ-14A163A	718730
6031115	52727	9685057	718230	387843S	718728	MB-178894	717608
6031321	716319	10131511	723182	388577-S	717130	MB645307	724552
6031383	718738	11500660	717271	388904-S	716350	MR328954	720637
6031390	718728	11502617	717271	389443-S	716349	MR478262	723207
6032138	527117	11561368	724140	4389940-AB	724779	MR478263	723206
6032235	718228	11589289	724205	4389947-AA	724785	N606676-S2	720164
6032363	718230	11589295	724210	4784018-AA	724773	N623333-S2	717271
6032516	716635	14007510	717033	4806271-AA	724774	N803043-S	817110
6032832	718227	14019205	718730	4860379-AA	724553	N803362-S	718679
6032926	527102	14019205	723025	4878883AA	720907	N803421-S	718427
6034212	723182	14019206	718730	5023111AA	720933	N803862-S	817111
6100047	720297	14019206	723025	5023173AA	723336	N803946-S	718716
6100049	720299	14063981	817110	5116530AA	724207	N804675-S	817118
6100539	720157	14093311	716319	55156655-AA	724780	N804759-S	817118
6100566	720164	15056810	723024	55350747AB	720961	N807389-S	724133
6100567	717463	15296830	724207	5GUU9K11BA	724210	N807620-S100	723182
6100568	717464	15958694	717130	6036007AA	717130	N807721-S	720380
6101283	717271	15969147	724133	6036148AA	723388	N98905101	718230
6500859	817107	16514113	718730	6505292AA	720741	OWX68BD5-AA	724543
6500899	817106	16514113	723025	6505417AA	720922	OWX68XDB-AA	724786
6500911	817110	20003056	723212	6505539-AA	721036	W705589-S300	717130
6501067	718226	20003056	723231	6505686AA	723024	W706812-S300	720741
6501086	716350	20032850	716333	6505759AA	723212	W712665-S300	724210
6501086	720059	20432975	817106	6505759AA	723231	**DACIA**	
6501178	716897	20452072	817111	6505918AA	723213	77-03-072-360	725334
6501301	720377	20465395	817120	6506005AA	723338	77-03-077-080	725330
6501559	817111	20510029	718679	6506132-AA	723260	77-03-077-225	725333
6501590	718427	20699808	716424	6506293AA	723338	77-03-077-231	725331
6501948	720381	20732399	716319	6506807-AA	724556	77-03-077-435	725332
6501948	720927	21030249	724133	6507055AA	724005	**FIAT**	
6502078	717130	21077575	724606	6507686AA	724005	14592086	724811
6502104	720384	21094146	720377	6508072-AA	724775	14592087	724810
6502328	716424	22512276	716323	6508444-AA	724783	**FORD**	
6502625	720334	25631448	720754	6508540-AA	724791	45267	717106
6502871	718716	34201287	720182	6508643-AA	724784	149257	717106
6503204	720733	34201621	718730	6508712AA	724140	332364	716319
6503221	716323	34201621	723025	6508863AA	724205	385677	720499
6503336	724532	34202335	720374	6509106-AA	724545	389358	716319
6503401	720754	34202672	718679	6509590-AA	724771	472434	718728
6503454	720609	388904-S	720059	6509960-AA	724788	480534	718728
6503598	724133	8934-201-631	817110	68039280-AA	724793	1008068	725103
6503819	720754	E3DZ-14A163A	723025	68061648-AA	724789	1016937	724602
6504043	720380	01553-09321	720637	68213168-AA	724781	1494254	717109
6504072	720981	06509673AA	724787	68225214-AA	724782	1494258	717108
6504090	718730	124-990-04-92	724546	8934-201-263	717322	1605396	717130
6504090	723025	175-853-577	817106	8934-201-287	720182	1631564	716309
6504452	720739	175-867-299	716357	8934-201-621	718730	3691590	716319

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OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
FORD con't		11589291	724206	384930-S36	718920	BF67-50-033	718726
3861577	716333	11589293	724139	385188-S	718400	C5AB-6220586A	717211
4004569	716319	11589295	724210	385189-S100	52727	D1AZ-6522841A	717166
4005470	718230	12337873	717109	385330-S	717131	D30Z-16776-A	717131
4005513	717131	12338153	52729	385595-S	717319	D5ZZ-16828A	717183
4005791	52727	14019205	718730	385661-S	718230	D5ZZ-16828B	717183
4200408	716894	14019205	723025	386553-S	717319	D90Z-6522841A	717387
4370138	817118	14019206	718730	387258-S	716333	D9ZZ-6643030-AA	721055
4381395	716350	14019206	723025	387477-S	717214	DYC500020	725103
4381395	720059	14063981	817110	387496-S	718430	E3DZ-14A163A	718730
4876498	717212	14078435	52791	387843-S	718728	E3DZ-14A163A	723025
6003349	718230	14093088	718423	388020-S47X	716222	E6AZ-5421952-A	716644
6003351	717131	14093311	716319	388047-S100	52791	E6DZ-5421952-A	716643
6030441	717130	15679091	718718	388047-S102	527103	E7GZ-17A904-B	718726
6031115	52727	15681408	718733	388442-S100	52793	E83Z-5421952-B	716643
6031321	716319	15958694	717130	388499-S	716318	F22Z-16774-A	716331
6031390	718728	15969147	724133	388577-S	717130	F3LY-14570-B	724603
6032363	718230	16514113	718730	388664-S100	52794	F57B-16241-AA	724539
6034212	723182	16514113	723025	388904-S	716350	G030-68-885B38	716331
6100566	720164	20032850	716333	388904-S	720059	G350-68-AB1	723205
6101283	717271	20184399	52729	388908-S	716325	GA2A-56-694	716331
6500911	817110	20423550	716219	388930-S	716321	GJ6A-50-ES1	724820
6501086	716350	20423647	817105	389144-S	718415	GK2A-50-798	724844
6501086	720059	20452072	817111	389268-S100	52729	MG350-68AB1	723205
6501559	817111	20510029	718679	389443-S	716349	MNA01-56-145	718723
6501590	718427	20732399	716319	390017-S2	716219	N-606675-S2	720158
6502078	717130	21030249	724133	390523-S	716644	N-606676-S53B	702565
6502871	718716	21042958	716337	3M8Z-16K262-A	724820	N-621905-S2	720298
6503598	724133	21075686	724603	3M8Z-17C432-A	724844	N-621907-S2	720301
6504043	720380	22718305	716305	45265-S2	717109	N-800387-S	716335
6504090	718730	22718305	716306	45268-S2	717108	N-802900	716337
6504090	723025	25618730	527109	4F1Z-9A317-AA	724821	N-803857-S	716310
9433155	720217	25680782	720669	57030-S2	50607	N-804349-S	716312
9436175	52727	34201621	718730	57032-S36	718897	N09-280305	716335
9685057	718230	34201621	723025	57039-S2	718919	N606676-S2	720164
9721917	717166	34202672	718679	57041-S2	718922	N606676-S36	717479
10008002	717108	7M3-867-299	725103	57048-S2	718926	N606677-S	720165
10131511	723182	N804759-S	817118	57472-S2	718894	N606677-S36	721076
10139822	720669	W706519-S300	723177	5GUU9K11BA	724210	N606689-S2	720171
11500401	717478	W708777-S437	724852	5R3Z-54310D12-AAA	724540	N606690-S2	720172
11500660	717271	1R3Z-18D434-BA	724822	6036007AA	717130	N621903	716894
11500661	717482	372820-S36	52792	63844-01A00	718723	N621906-S2	717476
11502617	717271	372820-S40	52792	6508727-AA	724790	N621940	717478
11503289	716222	375373-S	716311	65832-F5000	716326	N623332-S100	724602
11503317	717482	379830-S	717149	65846-30F00	716326	N623332-S2	724602
11503695	717478	380707-S	702563	7M0-867-299-K	725103	N623332-S53	724602
11503957	724602	381801-S2	716219	800737-S	718409	N623333-S2	717271
11504531	720217	381863-S2	720217	8934-201-621	718730	N623343-S100	717482
11516150	717482	383033-S101	717216	8934-201-621	723025	N623343-S2	717482
11518017	723309	383035-S100	717215	8934-201-631	817110	N800369	716633
11561878	724603	383142-S	718912	B092-51-833	724117	N800369-S2	718907

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OEM Number	Part Number
FORD con't	
N801603-S2	723294
N801925-S	718422
N801994-S100	720378
N801994-S100	721007
N802734-S	716305
N802734-S	716306
N802737-S	718429
N802781-S	718423
N803043-S	817110
N803170-S	716304
N803362-S	718679
N803421-S	718427
N803494-S	718718
N803709-S	718733
N803716-S	718732
N803862-S	817111
N803946-S	718716
N804134-S	817117
N804189-S	817105
N804379S	716309
N804583-S	817114
N804674-S	718737
N804675-S	817118
N804837-S	718717
N804851-S100	527118
N805132-S	817122
N805592-S100	527109
N805759-S100	527115
N806296-S	817128
N806340-S	720934
N806344-S	723346
N807389-S	724133
N807620-S100	723182
N807721-S	720380
N808147-S	720669
N808370-S	720383
N808376-S417	723347
N808689-S417	720531
N98905101	718230
NA01-56-145	718723
NA01-56145	718723
W525170-S417	720501
W701295-S301	724518
W701855-S300	723056
W702512-S900C	724852
W703505-S301	723048
W705297-S300	724849
W705589-S300	717130
W705845-S300	724117
W705956-S300	723176
W705957-S300	723177
W706635-SSW	724841
W706713-S300	723059
W708035-S300	723285
W708319-S300	724845
W708530-S300	723309
W708580-S300	724846
W708633-S300	724839
W709002-S	723349
W709688-S300	724823
W709995-S300	724842
W710079-S300	724850
W710250-S300	724525
W711031-S300	724848
W711079-S300	724853
W711858-S300	724855
W712196-S300	724139
W712665-S300	724210
W713331-S300	724206
W713579-S300	724854
W713819-S900	724851
W715201-S300	724832
W715926-S300	724840
W716460-S300	724857
W716497-S300	724833
W716503-S300	724834
W716510-S300	724837
W790225-S900	724835
YL3Z-1521970-AA	721049
YS4Z-13N129-AA	723049
YS4Z-16K262-AA	723047
GM	
152273	717104
332364	716319
363137	716315
365718	717471
367291	717034
367292	717033
378668	717716
380382	718899
389358	716319
407217	717255
411700	716339
469716	717713
469718	717716
472434	718728
474821	717033
480534	718728
588546	717103
1016937	724602
1480627	720237
GM con't	
1494252	720237
1494253	717107
1494254	717109
1494257	717106
1494258	717108
1564189	717255
1605396	717130
1619321	718618
1631564	716309
1633999	718725
1636632	718729
1640810	717451
1689827	717182
1690410	718656
1699250	716320
1703731	717495
1746408	718813
1758099	516259
2024778	723202
2064891	52616
2968521	717251
3065575	717163
3071437	717469
3078511	717320
3081052	717713
3691590	716319
3744999	516259
3783006	702555
3786805	717107
3861577	716333
3907444	702559
3960314	717250
3977775	717320
3986997	717254
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4005540	716409
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4234830	717719
4533699	717219
4696129	724606
4755299	702559
4876498	717212
5482087	724880
5482103	724111
5973400	718644
5973823	718645
5973996	718646
6000720	516259
6003349	718230
6004212	817120
6010046	516259
6030441	717130
6031115	52727
6031321	716319
6031390	718728
6032138	527117
6032363	718230
6032926	527102
6034212	723182
6101283	717271
6252625	720334
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6501301	720377
6501559	817111
6502328	716424
6503221	716323
6503401	720754
6503598	724133
6503819	720754
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7698976	717222
8717859	717226
9114472	724951
9423101	723028
9428196	716224
9428481	511118
9431530	720216
9431647	511120
9432137	527117
9432552	527111
9433043	717481
9433155	720217
9433156	720218
9433186	724013
9436175	52727
9437486	527102
9437643	723019
9439576	527112
9439719	527108
9440392	527113
9685057	718230
9721917	717166
9731301	716409
9818648	52616
9854717	717226
9883583	52616
10008002	717108
10009923	503157

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OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
GM con't		11500996	723355	11503957	724602	11570847	724905
10018611	716861	11501102	717473	11504035	717266	11571118	724877
10036503	817124	11501105	720188	11504119	503159	11571119	724878
10037786	720194	11501106	717265	11504303	717460	11571159	724922
10051034	716101	11501184	717264	11504492	720192	11571175	724891
10051034	716119	11501188	717474	11504493	717468	11571175	724901
10053182	718721	11501193	717272	11504499	720143	11588308	724907
10063599	720376	11501849	503158	11504531	720217	11588441	724913
10069112	817119	11501850	717287	11504570	717459	11588650	724232
10073833	718657	11501884	724600	11505022	723356	11588863	724188
10082553	720335	11501889	717270	11505023	723355	11589176	724510
10109689	817130	11501927	717492	11505044	720187	11589289	724205
10114590	716101	11501932	717485	11505045	718942	11589290	724138
10114597	716119	11501937	717491	11505329	716887	11589291	724206
10125439	527110	11502449	717450	11505816	720151	11589292	724208
10130851	720140	11502540	720327	11506174	717467	11589293	724139
10131511	723182	11502605	717269	11507036	717270	11589294	724209
10139822	720669	11502607	720141	11508241	717262	11589295	724210
10140480	720334	11502609	717270	11508248	716819	11589296	724211
10157547	527105	11502617	717271	11509096	720193	11609292	724955
10157900	720333	11502624	717269	11509511	717269	11609385	717262
10169777	720379	11502635	720304	11509816	717459	11609417	724109
10283414	720580	11502722	716895	11513599	724528	11609483	724920
10287971	716344	11502785	717266	11514623	717459	11609651	724895
10301966	723031	11502790	717470	11516150	717482	11609923	724902
10305191	724153	11502794	717490	11516372	723204	11609952	724943
10350983	724950	11502941	717467	11516845	724541	11610157	724942
10351052	724947	11503289	716222	11517803	720333	11610198	724515
10363811	723364	11503317	717482	11517824	723013	11610495	724939
10369649	724928	11503499	718959	11518017	723309	11610544	724958
10405030	720580	11503564	717274	11518357	723300	11610605	724927
10425306	723031	11503564	717483	11518531	724554	11610606	724936
10426555	724909	11503578	717259	11519030	723358	11610747	724926
10431761	720943	11503619	717473	11519807	724116	11610748	724930
10444839	724932	11503633	720190	11546635	724956	11611079	724903
10445899	724894	11503668	720193	11547210	724906	11611110	724912
11500371	717477	11503685	717266	11561368	724140	11611375	724898
11500401	717478	11503695	717478	11561382	724515	11611435	724899
11500402	720170	11503698	717494	11561499	724949	11611626	724904
11500434	717451	11503702	720189	11561500	724948	11612122	724956
11500657	720316	11503715	717262	11561654	724916	12160858	723304
11500658	717481	11503736	717493	11561857	724513	12337868	717719
11500660	717271	11503745	717260	11561874	724908	12337873	717109
11500661	717482	11503752	716887	11561878	724603	12337915	817130
11500662	717274	11503753	717475	11561987	724945	12337920	716336
11500662	717483	11503785	717259	11562250	724901	12338011	716119
11500747	717265	11503800	723276	11562503	724941	12338015	717256
11500754	717470	11503823	717467	11562568	724954	12338074	717363
11500961	717263	11503834	720184	11569700	724953	12338153	52729
11500969	717268	11503892	717451	11569921	724957	12531204	724012
11500970	717472	11503957	718261	11570830	724924	13144822	724946

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OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number	OEM Number	Part Number
GM con't		15748479	723029	20432975	817106	25016383	716316
13252118	724919	15802005	724917	20433026	817113	25517947	718671
13252119	724918	15864780	724957	20451119	718672	25524005	817123
13365058	724937	15931605	724935	20451401	716317	25531999	724526
14007510	717033	15944588	724933	20452072	817111	25618730	527109
14007940	716776	15958694	717130	20455900	716303	25631448	720754
14011722	717254	15960325	724129	20465395	817120	25648693	723017
14013246	718604	15960621	720585	20480475	716342	25680782	720669
14015161	718743	15964971	717363	20490398	716822	25691949	723180
14015876	716820	15964972	717364	20510029	718679	25704001	723180
14019205	718730	15967691	717397	20514862	716322	25704358	724940
14019205	723025	15969147	724133	20582532	716647	25705182	724870
14019206	718730	15975244	720371	20585900	720152	25732397	724146
14019206	723025	15989431	724921	20612732	817121	25742293	724534
14019226	718739	15993201	720333	20633140	716647	25744385	724893
14027471	718627	15994165	723308	20687704	718729	25749564	724931
14032200	718742	16500283	718647	20699808	716424	25774893	724892
14039420	718740	16514113	718730	20709017	720372	25775903	724889
14044215	718670	16514113	723025	20713843	527101	25796285	724900
14045480	718662	16629990	721051	20732399	716319	25803643	724944
14051674	717719	16632192	717364	21030249	724133	25822063	724915
14063981	817110	16632193	717363	21035345	723013	25922739	724890
14066728	717256	16675980	721051	21042958	716337	30006620	720807
14071289	718739	19260056	724872	21075686	724603	34201621	718730
14074081	716351	19260058	724886	21077123	720917	34201621	723025
14078435	52791	19260060	724885	21077575	724606	34202672	718679
14090382	718932	19260061	724883	21094146	720377	88891731	717397
14093088	718423	19260063	724876	21095797	724116	88970494	723317
14093311	716319	19260663	724881	22189414	723196	88970747	720632
14101262	718734	20003056	723212	22512276	716323	88970767	723368
15002519	717485	20003056	723231	22527720	716352	88973676	723317
15022087	720677	20008799	717714	22531616	717274	89025539	723290
15056810	723024	20030401	718616	22531616	717483	89026634	724929
15153415	720586	20032850	716333	22535007	718744	89026635	724934
15296830	724207	20064875	718615	22538004	720025	92139147	724959
15506827	817129	20083312	720186	22585836	720667	94051993	718710
15562609	717364	20123070	716119	22641917	720667	94198687	718720
15588024	716301	20158344	717716	22690838	724910	94530385	724887
15591860	717397	20184399	52729	22691056	724514	94530742	724888
15595172	817112	20319841	718654	22699649	723364	94841764	716793
15596300	716301	20325696	527114	22704458	723364	94842841	716329
15600382	718657	20328600	716119	22713392	723364	94849113	716329
15614746	724555	20351035	720184	22718305	716305	94853733	720550
15653790	720999	20374473	716336	22718305	716306	94854203	720630
15672183	720998	20421672	817112	22718369	724914	94858509	720632
15679091	718718	20421800	718657	22722859	723364	94858560	720782
15681408	718733	20423550	716219	22722860	723364	95005064	716343
15683327	724879	20423647	817105	24405739	724897	95008221	720776
15691493	717363	20429451	716338	24405740	724896	95008221	720807
15691595	717397	20429500	717238	24449408	724952	95230842	724911
15733971	721034	20430421	716356	24501057	724237	8934-201-631	817110

OEM to PART NUMBER BY MANUFACTURER

OEM Number	Part Number
GM con't	
90467-07168	723317
90467-08004	716329
F3LY-14570-B	724603
175-853-577	817106
175-853-577A	817113
175-853-695A	718743
381801-S2	716219
381863-S2	720217
385189-S100	52727
385661-S	718230
387258-S	716333
387843-S	718728
388020-S47X	716222
388047-S100	52791
388577-S	717130
389268-S100	52729
390017-S2	716219
45265-S2	717109
45268-S2	717108
5116530AA	724207
52161-02020	720782
52161-16010	720782
5GUU9K11BA	724210
6036007AA	717130
622A2-9E000	724908
622A2-9E000A	724908
63844-01A99	718672
6502078 W705589-S300	717130
6505686AA	723024
6505759AA	723212
6505759AA	723231
6508712AA	724140
6508863AA	724205
66860-01W01	718710
67771-01010	716343
67771-12050	720807
67771-30090	720776
8934-201-621	718730
8934-201-621	723025
90189-05013	716793
90189-06028	720630
90467-06017-20	718720
90467-08011	716329
90467-09050	720632
90467-09101	720550
90467-10183	723368
90657-SA6-0030	718720
D1AZ-6522841A	717166
E3DZ-14A163A	718730
E3DZ-14A163A	723025
MS-480002	716793
N-802900	716337
N304-13-356-A	718720
N621940	717478
N623332-S100	724602
N623332-S2	724602
N623332-S53	724602
N623333-S2	717271
N623343-S100	717482
N623343-S2	717482
N802734-S	716305
N802734-S	716306
N802781-S	718423
N803043-S	817110
N803362-S	718679
N803494-S	718718
N803709-S	718733
N803862-S	817111
N804189-S	817105
N804379S	716309
N805592-S100	527109
N807389-S	724133
N807620-S100	723182
N808147-S	720669
N90100001	716887
N98905101	718230
W708530-S300	723309
W712196-S300	724139
W712665-S300	724210
W713331-S300	724206
HONDA	
8763591	717222
94198687	718720
10998-30880	718711
63876-95596	718722
90189-04066	716855
90603-SLJ-003	724520
93904-46320	718910
N304-13-356-A	718720
01651-00481	716857
34301-692A-0000	716870
63848-01G00-A	724250
68425-H5000	716794
71591-S5A-000	724979
72311-S5S-003	724710
72431-S2X-003	724975
74798-S9000	716857
75305-S0A-003	724147
75305-SHJ-003	724976
75305-SM4-A01	724973
75306-SZA-A01	724972
HONDA con't	
75316-S9A-004	724705
75521-611-0000	716790
75522-611-0000	717611
76222-SP1-003	724704
78856-R4301	716856
80832-6500	716328
80833-8500	716328
894-298-1190	718711
90107-S0X-A01	724709
90107-SX0-003	720982
90189-06010	716790
90189-06042	716857
90467-06017-20	718720
90505-SM4-003	724251
90505-SX0-003	720549
90602-S2A-003	724971
90602-SLJ-003	724520
90602-TA0-003	724708
90651-TP8-003	724712
90656-671-6310M1	716798
90657-SA6-0030	718720
90657-SB0-003	723091
90661-SC7-003	716857
90662-671-0030	716794
90662-693-003	716855
90664-671-0030	716328
90668-688-0030	716858
90668-SB0-003	718712
90671-S0D-003ZK	724989
90675-SA6-0030	716852
90675-SB3-003	718722
90677-SE0-003	717646
90683-693-0000	716856
90683-SA5-003	720507
90684-SA5-003	718711
90687-SA5-0030	724261
90700-SJ4-000	724260
91500-SM4-999AH	718910
91501-S04-003	720767
91501-SM4-003	724263
91501-SWA-003	724990
91501-TR0-003	724984
91502-SM4-000	724252
91503-S0K-A01	723374
91503-S3Y-003	724978
91503-S7A-003	724982
91503-SHJ-A01	724983
91503-SZ3-003	720620
91503-SZ5-003	720619
91503-T2A-A01	724970
91505-S9A-003	724511
91505-S9A-003	724604
91505-TM8-003	724707
91506-S9A-003	724519
91508-SM4-003	724264
91512-S50-003	724703
91512-SJ6-J01	724702
91512-SM4-003	724255
91512-SX0-003	720901
91515-SR3-000	720536
91518-S10-003	721016
91518-SM4-003	720762
91519-SCV-A01	724974
91520-SM4-C01	720760
91524-SE0-003	724262
91530-S0A-003	724706
91530-SP1-003	720765
91530-ST5-003	720766
91545-SE0-003	724250
91550-S50-000ZK	724985
91558-SE3-003	724700
91560-S0X-A01	724992
91560-S7A-003	724991
91560-SM4-003	724019
91560-SZW-003	724987
91560-SZW-J01	724988
91563-SCV-003	724711
91567-S3M-000	724986
91568-TR0-003	724712
91570-SK7-003ZF	721032
91570-SZA-305	724977
91578-T0A-003	724980
91603-SL0-000	724981
96706-P0105	716790
97606-B0700	717611
9991-00-412	717611
9991-00-503	716794
9991-00-601	716790
FB01-56-964	718722
H001-50-841	716857
MR200300	723095
MR200300	723208
MS-480001	717611
MS-480012	716857
MU000319	720901
HYUNDAI	
82315-22000	725031
82315-27000	725040
82315-2P000	725034
82315-33020	725035
82315-36000	725032

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OEM Number	Part Number
HYUNDAI con't	
84747-2L000	725036
85495-2E050	725033
85506-4A000	725037
85849-3B000	725028
86155-2H100	725025
86157-37000	725026
86360-3L000	725013
86434-4A000	725029
86438-4A100	725027
86593-24000	724197
86625-3S000	725039
86825-28000	725023
86910-21010	725038
87378-3N000	725030
87702-H1000	725018
87703-H1000	725011
87714-FD200	725024
87756-1C000	725024
87756-1F000	725012
87756-26900	725021
87756-34520	725022
87756-37000	725014
87758-35010	725017
87758-39000	725015
87758-3L000	725019
87759-27000	725020
87770-27000	725016
INFINITI	
84953-AU100	725065
ISUZU	
10998-30880	718711
67771-01010	717616
67771-12010F	717616
894-226-4920	717616
894-298-1190	718711
90684-SA5-003	718711
9927-40-825	717616
KIA	
0K95A-68615	725084
63844-01A00	718723
82315-27000	725040
82315-2P000	725034
82315-33020	725035
84747-2L000	725036
85495-2E050	725033
85506-4A000	725037
85746-06000LX	725086
85746-06000RU	725087
86155-2H100	725025
86359-33500	725081

OEM Number	Part Number
KIA con't	
86434-4A000	725029
86438-4A100	725027
86591-25000	725088
86699-2D000	725085
87714-FD200	725024
87719-02500	725082
87756-1C000	725024
87756-1F000	725012
87756-2G000	725080
87756-34520	725022
87756-3E500	725083
87758-35010	725017
87758-3E000	725082
87759-3E000	725082
MNA01-56-145	718723
NA01-56-145	718723
NA01-56145	718723
LAND ROVER	
1008068	725103
7M3-867-299	725103
7M0-867-299-K	725103
DYC101420	725102
DYC500020	725103
MWC9134	725100
MXC1800	725101
LEXUS	
88970494	723317
88970747	720632
88973676	723317
94842841	716329
94849113	716329
94853733	720550
94858509	720632
90467-07168	723317
90467-09050	720632
47749-50090	725122
51453-0E010	725138
51453-48010	725138
51454-0E010	725137
51454-48010	725137
52197-30040	725131
52535-30150	725139
53259-0E010	725135
53879-17020	725134
53879-50020	725121
67771-32120	725142
67773-0E020	725124
67867-50020	725143
67868-30030	725477
75392-35220	725127

OEM Number	Part Number
LEXUS con't	
75393-60030	725128
75545-53010	725144
75545-53011	725129
75545-53011	725144
75867-06030	725468
90189-04207	725140
90189-06013	716846
90189-06065	716846
90189-06104	720985
90269-03064	725141
90269-06054	725488
90467-04034	725491
90467-05125	725123
90467-05138	725120
90467-07117	720627
90467-07137	725125
90467-08004	716329
90467-08011	716329
90467-08101	725481
90467-09101	720550
90467-09143	720794
90467-09185	725470
90467-10186	725479
90467-10190	725126
90467-10206	725471
90467-12071	725133
90467-12072	725130
90467-12074	725132
90467-A0008	724134
91567-SR2-013	724993
96706-W1000	716846
MAZDA	
94198687	718720
3M8Z-17C432-A	724844
E7GZ-17A904-B	718726
GA2A-56-694	716331
MS-480012	716857
01651-00481	716857
1395-68-676	718715
3M8Z-16K262-A	724820
5R3Z-54310D12-BAA	724838
63844-01A00	718723
63876-95596	718722
67771-01010	717616
67771-12010F	717616
68425-H5000	716794
74798-S9000	716857
75521-611-0000	716790
75522-611-0000	717611
80915-29A66	718715

OEM Number	Part Number
MAZDA con't	
894-226-4920	717616
894-243-1900	718715
90189-06010	716790
90189-06042	716857
90467-06017-20	718720
90657-SA6-0030	718720
90661-SC7-003	716857
90662-671-0030	716794
90675-SB3-003	718722
96706-89901	716850
96706-P0105	716790
97606-B0700	717611
9924-90-512B	716672
9926-50-635	718715
9927-40-821	716681
9927-40-825	717616
9991-00-402	716850
9991-00-403	716839
9991-00-412	717611
9991-00-501	716792
9991-00-503	716794
9991-00-601	716790
B003-68-865-00	725160
B092-51-833	724117
B455-56-135	725171
B467-68-AC3-02	725166
BC1D-56-145	723209
BF67-50-033	718726
BP4K-58-762	725169
E11451W24	725162
EA01-50-037	725164
F22Z-16774-A	716331
FB01-56-964	718722
G030-68-885B38	716331
G14S-50-EA1	725165
G18K-51-SJ3	724516
G350-68-AB1	723205
GA2A-58-762	720537
GD7A-50-EA1	724122
GJ6A-50-ES1	724820
GJ6A-58-975	725170
GK2A-50-798	724844
GS3L-68-615	725161
H001-50-841	716857
J001-56-741	725172
KA78-50-AF4	720989
MG350-68AB1	723205
MNA01-56-145	718723
MS-480001	717611
N304-13-356-A	718720

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OEM Number	Part Number
MAZDA con't	
NA01-56-145	718723
NA01-56145	718723
S51S-51-833	725163
TD11-56-694	725168
TD12-51-SJ3A	725167
W705845-S300	724117
YL3Z-1521970-AA	721049
MERCEDES	
1104882	725202
1268642	725202
1719245	725202
9133417	725202
0711-9-916-945	716807
000-904-24-45	716804
000-990-29-92	725202
000-990-60-92	725202
000-991-59-40	725201
000-994-04-45	716805
000-994-06-45	716809
000-994-09-45	716811
000-994-14-45	716807
001-988-44-81	725194
001-988-46-81	725196
001-988-49-81	725190
001-988-50-81	725193
001-988-60-81	725198
001-988-63-81	725199
001-988-80-81	725195
001-990-16-92	725202
001-994-98-45	725205
003-990-02-51	724743
003-990-94-97	724512
004-990-16-97	725206
006-988-89-78	725191
007-988-71-78	725197
0712-9-925-708	716804
0712-9-925-737	716809
114-990-01-92	725202
123-994-08-45	724094
124-988-04-78	725192
124-988-94-78	725200
124-990-04-92	724509
16-13-1-176-747	724743
20-72-175	716811
201-990-05-36	725204
230-990-01-92	724517
2D1-867-741	725203
946-418	716811
A901-988-00-25	725203

OEM Number	Part Number
MINI COOPER	
51-41-8-224-768	724751
07-13-1-480-419	725222
07-13-2-757-821	725221
07-13-7-073-915	725220
51-41-0-407-984	724751
51-71-7-127-742	725223
51-77-7-171-002	724752
MITSUBISHI	
6027958	720556
94841764	716793
790184000	716848
H001-50-841	716857
01281-00028	716864
01281-00151	716848
01281-00161	716848
01553-09321	720637
01651-00481	716857
74798-S9000	716857
90189-05013	716793
90189-06001	716864
90189-06042	716857
90467-13075	725240
90661-SC7-003	716857
90672-671-811	716848
91512-SX0-003	720901
96706-H9400	716848
96706-K1300	716848
96706-K1351	716848
MB-098145	716864
MB-178894	717608
MB106212	716848
MB645307	724552
MF453091	725244
MR200300	723095
MR200300	723208
MR221507	725240
MR288150	725243
MR322000	725245
MR328954	720637
MR478262	723207
MR478263	723206
MS-480002	716793
MS-480012	716857
MS452348	725242
MU000319	720901
MU480001	725241
75522-611-0000	717611
97606-B0700	717611
9991-00-412	717611
MS-480001	717611

OEM Number	Part Number
NISSAN	
11561874	724908
20451119	718672
94051993	718710
790184000	716848
622A2-9E000A	724908
90189-06042	716857
90675-SB3-003	718722
90683-693-0000	716856
H001-50-841	716857
01241-00881	725279
01281-00022	716795
01281-00028	716864
01281-0005U	725267
01281-00151	716848
01281-00161	716848
01281-00501	725293
01281-00691	725292
01281-00831	724030
01281-01321	725262
01553-00051	717610
01553-00172	717620
01553-0038U	725282
01553-01182	724028
01553-01251	716327
01553-01A50	725290
01553-02253	725291
01553-02913	725276
01553-02923	725296
01553-03101	718713
01553-05131	725266
01553-06071	725284
01553-08231	725283
01553-08911	725273
01553-08961	725288
01553-09241	720796
01553-09321	720637
01553-09611	723186
01553-09791	725289
01553-2U001	725294
01553-S3500	716308
01651-00481	716857
10998-30880	718711
11296-AG000	724027
24225-89960	725264
26398-ED000	725063
26557-2U001	725294
622A2-9E000	724908
62319-0W000	723096
63844-01A00	718723
63844-01A99	718672

OEM Number	Part Number
NISSAN con't	
63846-5V000	725263
63848-01G00-A	724250
63848-40Y00	723381
63848-9E001	723295
63848-9Y000	725265
63876-95596	718722
63878-01E10	723203
65722-EA000	725268
65810-K2000	725269
65810-K2009	720967
65832-F5000	716326
65846-30F00	716326
65846-4Z000	725286
66814-01G00	718727
66820-61U00	725060
66860-01W01	718710
68425-H5000	716794
74798-S9000	716857
75521-611-0000	716790
75522-611-0000	717611
76848-71S00	725277
76882-0E700	725272
76882-0M060	725274
76882-EG01A	725270
76906-T3000	716330
76988-3DN0A	725275
76988-4N000	725271
78856-R4301	716856
80850-89900	725295
80850-CA003	725064
80874-0P000	723385
80874-AX000	725278
80999-VE000	725289
84915-0W000	720966
84953-JA00A	725287
84995-3J101	725285
85284-4J500	725261
894-298-1190	718711
90189-06001	716864
90189-06010	716790
90189-06013	716846
90189-06065	716846
90467-06054	717612
90467-07050	717620
90467-08185	723186
90467-090-6901	725291
90467-11005	716330
90661-SC7-003	716857
90662-671-0030	716794
90672-671-811	716848

OEM to PART NUMBER BY MANUFACTURER

OEM Number	Part Number
NISSAN con't	
90684-SA5-003	718711
91545-SE0-003	724250
96706-89901	716850
96706-H9400	716848
96706-K1300	716848
96706-K1351	716848
96706-P0105	716790
96706-W1000	716846
97606-B0700	717611
9991-00-402	716850
9991-00-412	717611
9991-00-503	716794
9991-00-601	716790
FB01-56-964	718722
MB-098145	716864
MB106212	716848
MNA01-56-145	718723
MR328954	720637
MS-480001	717611
MS-480012	716857
NA01-56-145	718723
NA01-56145	718723
OPEL	
1104882	725202
1268642	725202
1719245	725202
9133417	725202
000-990-29-92	725202
000-990-60-92	725202
000-994-09-45	716811
001-990-16-92	725202
114-990-01-92	725202
20-72-175	716811
946-418	716811
RENAULT	
77-03-072-360	725334
77-03-077-080	725330
77-03-077-225	725333
77-03-077-231	725331
77-03-077-435	725332
7703-077-066	718100
7L5-853-994	725566
SCION	
90467-A0008	724134
SUBARU	
46064-AE000	725388
57160-FC000	725381
57160-FC010	725367
57750-AA090	725384

OEM Number	Part Number
SUBARU con't	
57750-FC010	725404
59122-AC030	725385
59122-FA010	725383
62731-FA000	725373
62731-FA010	725403
66117-9000	725372
69300-5370	725395
90331-AA050	725406
90331-GA090	725407
90814-FC001	725392
90913-0003	725386
90913-0007	725371
90913-0008	725369
90913-0034	725394
90913-0051	725389
90913-0059	725379
90913-0067	725378
90913-0074	725393
90913-0109	725365
90913-0213	725398
90914-0002	725391
90914-0007	725374
90914-0012	725382
90914-0051	725375
90914-0052	725387
90914-0055	725377
90914-0063	725376
90930-0007	725372
90930-0015	725401
91017-FA080	725361
91059-FC030	725368
91059-FC041	725366
91059-FC090	725362
91059-FC110	725370
91084-AA010	725405
91085-TA030	725380
91167-AA000	725364
91167-FA010	725400
91486-KJ000	725363
91486-KJ010	725360
94078-FA080	725399
94081-FA010	725402
94415-FA000NE	725390
95022-AC040ML	725397
99045-AE03AMA	725396
MR288150	725243
09409-06309-5ES	725420
TOYOTA	
30006620	720807
88970494	723317

OEM Number	Part Number
TOYOTA con't	
88970767	723368
88973676	723317
94198687	718720
94841764	716793
94842841	716329
94849113	716329
94854203	720630
94858560	720782
95005064	716343
95008221	720776
95008221	720807
894-226-4920	717616
90662-693-003	716855
91500-SM4-999AH	718910
MS-480002	716793
MS-480012	716857
01281-00028	716864
01553-00172	717620
01553-02253	725291
01651-00481	716857
10116-41810	718736
51453-0E010	725138
51453-48010	725138
51454-0E010	725137
51454-48010	725137
52161-02020	720782
52161-16010	720782
52161-20010	724451
52535-0E030	725448
52535-30150	725139
53867-47020	725442
53879-20020	725463
53879-60010	724203
53888-48010	725469
55799-12010	720938
61991-35010	725449
61992-35010	725450
65613-07010	725486
67771-01010	716343
67771-01010	717616
67771-06070	720546
67771-12010F	717616
67771-12050	720807
67771-22010	716679
67771-22020	716680
67771-30090	720776
67771-32120	725142
67771-58010	725445
67773-0E020	725124
67867-0C010	720965

OEM Number	Part Number
67867-12150	720965
67868-02020	720965
67868-30030	725477
67869-12050	725490
69293-30030	725441
74798-S9000	716857
75392-35220	725127
75395-0T010	725446
75521-611-0000	716790
75819-33010	725443
75867-06030	725468
75867-33030	725473
75867-AA010	725473
75867-AC020	725456
76647-42010	725464
76817-12060	725455
76853-10010	725458
76879-44010	725489
76924-47010	725444
81137-22530	725459
81150-1A750	725459
81496-21010	725452
82711-12200	725440
90075-10004	725459
90080-46010	725474
90080-46294	725466
90084-26001	720771
90084-26002	723117
90189-04007	716867
90189-04066	716855
90189-04102	725485
90189-05013	716793
90189-06001	716864
90189-06003	716845
90189-06010	716790
90189-06013	716846
90189-06028	720630
90189-06042	716857
90189-06065	716846
90189-06104	720985
90189-06145	725484
90189-06157	720986
90189-06177	725482
90189-06211	725460
90189-06214	720987
90189-A0002	725483
90269-04053	723128
90269-06054	725488
90269-A0005	725487
90467-04034	725491
90467-05081	725461

OEM to PART NUMBER BY MANUFACTURER

OEM Number	Part Number
TOYOTA con't	
90467-05096-22	720508
90467-05128	725462
90467-05136	725136
90467-05164-B6	725480
90467-05164-E2	725475
90467-06017-20	718720
90467-06128	725493
90467-07050	717620
90467-07071-22	725472
90467-07085	723126
90467-07146	721033
90467-07164	723119
90467-07166	720785
90467-07168	723317
90467-07188	724549
90467-07195	723191
90467-07201	724461
90467-07214	725465
90467-08004	716329
90467-08011	716329
90467-08045	725492
90467-08063	725492
90467-08101	725481
90467-08136	725478
90467-08186	723104
90467-090-6901	725291
90467-09008	724240
90467-09096	720386
90467-09127	720629
90467-09139	720548
90467-09145	720795
90467-09166	724550
90467-09185	725470
90467-09204	725453
90467-09206	723250
90467-09212	725476
90467-09227	725467
90467-10107	720786
90467-10183	723368
90467-10186	725479
90467-10188	724053
90467-10206	725471
90467-11099	725447
90467-12073	725454
90467-12075	725457
90467-12080	725451
90467-13075	725240
90467-A0008	724134
90467-A0018	725461
90657-SA6-0030	718720
90661-SC7-003	716857
91567-SR2-013	724993
93904-46320	718910
96706-P0105	716790
96706-W1000	716846
9927-40-825	717616
9991-00-601	716790
H001-50-841	716857
MB-098145	716864
MR221507	725240
N304-13-356-A	718720
UNIVERSAL	
10082036	720137
20729523	720373
VOLVO	
1104882	725202
1268642	725202
1719245	725202
9133417	725202
30624192	725510
30653441	725512
30784514	725511
20-72-175	716811
000-990-29-92	725202
000-990-60-92	725202
000-994-09-45	716811
001-990-16-92	725202
114-990-01-92	725202
1318908-9	723155
946-418	716811
979878-6	720525
VW	
1008068	725103
4005470	718230
6003349	718230
6032363	718230
6500899	817106
9685057	718230
11503752	716887
11505329	716887
14015161	718743
20432975	817106
20433026	817113
7M3-867-299	725103
A901-988-00-25	725203
165-827-592	725576
171-201-969	725552
171-807-249-A	725565
175-853-577	817106
175-853-577A	817113
175-853-695A	718743
VW con't	
175-867-299	716357
191-853-577	725547
191-853-577-A	725536
191-853-733-A	725540
191-941-142	725532
1H0-819-055-B01C	725561
1H0-819-055-C01C	725554
1H0-823-397	725534
1H0-837-719	725568
1H0-853-585	725537
1H0-853-585-A	725539
1H0-853-585-B	725538
1H0-853-586	725551
1H0-867-199-01C	725530
1H0-867-199-A	725555
1H0-868-243	725562
1H0-868-243-B	725563
2D1-867-741	725203
333-867-633-4FB	725559
357-853-575	725569
357-853-585	725571
357-853-585-A	725567
385661-S	718230
3A0-853-575	725549
3A0-853-575-A	725542
3B0-853-575	725543
3B0-853-576	725541
3C0-853-585	725580
441-863-987-B	725557
443-853-909-A	725544
4A0-805-121-A	725570
4A0-805-163	725352
4A0-853-825	725545
4A0-853-825-A	725546
4A0-853-825-C	725550
4A0-867-276	725351
6K0-868-243-C	725578
6N0-809-966A	725577
6N0-823-397-AC	725533
6Q0-868-243	725560
6Q0-868-246-A	725579
6Q0-868-297	725573
701-867-299	725556
703-867-299	725564
7L0-839-069	725548
7L5-853-994	725566
7M0-867-299-K	725103
8 934-201-681	716357
801-867-299-01C	725531
811-807-577-C	725574
867-809-966	725575
DYC500020	725103
N038-550-1	725553
N15.422.2	716803
N90-335-006	725558
N90-796-501	725557
N90-796-502	725557
N90100001	716887
N90282401	716307
N90565301	725535
N90642001	725535
N908-131-01	725350
N98905101	718230

LUBRICANTS/ADHESIVES

SPECIAL ION-CHARGED FX FOAMING RUST PENETRANT with Teflon®*

- Penetrates immediately to free rusted parts.
- Long lasting, super thick foam clings to surface.
- Exclusive ion-charged formula that bonds to rust.
- Multi-purpose moly additives prevent future corrosion.
- Removes without damage to your fasteners.
- Long lasting, residual lubrication.

TOP TEN SELLER

NEW & Improved



*Polytetrofluoroethylene
®E.I. Dupont Co.

Part No. 211108 (24)
15 oz. net wt. (425g)

OMNI L/P
Aggressive Lubricant/Penetrant

- Blast through rust, grease and grime.
- Lubricates and quickly frees frozen nuts/bolts.
- Dries wet electrical and ignition systems.
- Non-flammable, non-conductive offers 5,000 volt dielectric strength per ASTMD1816.
- Reduces friction to prevent wear.
- Lubricant provides lasting protection.
- May be sprayed in an inverted position.
- Works better than PB Blaster and Torq CBII.



(PSS100112)

Part No. 211336
15 oz. net wt.

Q-BOND FAST BONDING ADHESIVE

One of the finest products for repairing various types of breaks, cracks and other damages to a wide range of items.

(SMP070108)

BLACK POWDER
• Bumpers • Grills • Radiators •
• Electrical Switches • PVC Pipes •
• Hand Tools • Waterbottles • Appliances •

GREY POWDER (Aluminum)
• Metal Casings •
• Small Engines up to 180ºC •
• Computers & Office Equip. •
• Carburetors (Oil & Gas Resistant) •



Part No. 204050
2 x 10ml Q-Bond Adhesive
1 x Grey Powder
1 x Black Powder

RAPIDFIX UV®

Adhesive that sets only with UV light.

(PSS020816)

- Fix broken or expensive items.
- Saves on replacement cost.
- High strength bond - dries clear.
- Can be drilled, sanded or painted.

Repairs:
Plastic
Glass
Metal
Fiberglass
& more!



Part No. 204055
UV Light & 10ml Adhesive

Part No. 204056
REFILL - 1 Bottle
10ml Adhesive

PLASTIC WELD KIT

High performance grade cyanoacrylate adhesive

- Provides maximum bonding strengths of various plastics, elastomers and metals together or in combinations.
- Will not crack or craze.
- Penetrates between parts.
- Meets MIL-S-46050C Type 2 Class 1.

(PSS090214)



Part No. 811156

LOCK EASE Graphited Lock Fluid

- Seals out moisture, protects against freeze-up.
- Prevents sticking, guards against rust & corrosion
- Graphite formula will not gum up.
- Leaves a penetrating, protective coating.



Part No. 211343
3.5 oz. net wt. Aerosol

GEL-TAC EXTRA with Teflon

A unique combination of natural & synthetic lubrication agents coupled with a high molecular weight polymer (PTFE).

- Thin like penetrating oil reaches where other can't.
- Quickly sets up to a clear tacky gel. Resists being thrown off, vibration, and being washed off.
- Prevents sticking/freezing of rubber and metal to keep parts moving smoothly & quietly.
- Protective coating prevents rust, corrosion, and resists steam and salt spray.
- Extreme temperature capabilities; -30° F to over +600°F.

(PSS031411)

NEW 360° spray any way valve



Part No. 213162 (12)
13 oz. net wt. (368g)

SUPER BOND (TRIM ADHESIVE)

High temperature rated to 200°F.

- Web-like spray pattern eliminates high spots & overspray.
- Adjustable spray valve.
- Heat, moisture & water resistant.
- Bonds carpets, urethane foam insulation, vinyl tops, kick pads, upholstery, headliners, runners, etc.

TOP TEN SELLER

Outperforms or Exceeds:
3M 8080, 8090 Crest AA-A
Montana SA-360 Kent ST-A
Rubber-Seal R5-505
Talsol 3410, 3411



Part No. 211417 (12)
Net Wt. 15.75 oz. (447g)

FAST CURE EPOXY 45

Bonds, seals, repairs door glass, channels, trim, broken plastic grills and cracked or broken castings.

- Contains 10 premeasured mixer cups.
- No mess, no guess, no waste.
- Bonds in 5 to 15 minutes.
- Color - grey.



Part No. 812275
10 cups: net 2g each
Permatex No. 21425

3M ULTRAPRO CLEAR TRIM & EMBLEM ADHESIVE

- Plastic top with brush applicator helps prevent lid from becoming stuck to the bottle.
- A clear, colorless adhesive for use on emblems, mouldings, weatherstrip, carpet, fabric, etc.
- Provides fast tack and excellent adhesion.
- No clotting or stringing.
- Sag resistant.
- Won't harm cured paint.
- Waterproof.



Part No. 211351
1 pint bottle
3M No. 08063
(Clear)

CHEMICALS

ADHESIVES and SEALANTS

SUPERBOND 8000 STRUCTURAL ADHESIVE

More than 8,000 lbs. tensile strength
• Industrial • Marine • Automotive •



- Bonds plastics, metals, composites, wood, concrete and dissimilar substrates.
- Environment Friendly - 100% solids - low VOC.
- Rapid cure at room temp. - no heat or UV.
- Easy dispensing through hand held dispensers or meter mix equipment.
- May be drilled, tapped, sanded, machined and painted after cure.
- NO surface preparations such as sanding or grinding.
- Replaces mechanical fasteners - increased design freedom with reduced weight.
- Unused portions can be resealed and saved.
- Bonds thin or sheet metal where dimpling or scorching of the metal due to welding is not acceptable.



PIX OF ASSEMBLY

• AVAILABLE IN KITS •

"3 CARTRIDGE KIT"

(3) 50ml dual cartridge packages, (6) static mixers, (1) dispenser gun

Part No. 811245

"6 CARTRIDGE KIT"

(6) 50ml dual cartridge packages, (12) static mixers, (1) dispenser gun

Part No. 811246

• OR AS INDIVIDUAL COMPONENTS •

50ml DUAL CARTRIDGE

(includes one static mixer per cartridge)

Part No. 811247 (6)



STATIC MIXER



Part No. 811248 (12)

DISPENSER GUN



Part No. 811249

IMPORTANT: STORAGE AND SHELF LIFE. Raelyn methacrylate adhesives should be stored in a cool dry area away from heat. A shelf life of one year is based on storage between 55-75° F. Long term storage above 75° F will reduce shelf life of the materials. Prolonged exposure above 100° F greatly diminishes the product reactivity and should be avoided. Shelf life can be optimized by refrigeration 45-60° F. This product should never be frozen or stored below 45° F.

OUR SUPER WEATHERSTRIP ADHESIVE



- Handiest adhesive there is for bonding weatherstrip to doors or trunk lids.
- Thin bodied, spreads easily.
- Same top quality at a significant savings.

TOP TEN SELLER

Part No. 812370 (12)
5 oz. tube (Amber)

REAR VIEW MIRROR ADHESIVES



- Remounts mirror brackets in seconds.
- 60% strength - 3,000 psi in two minutes.
- Kit makes (1) repair.
- Easy clean-up.

Net .03 fl. oz. also available
Permatex No. 81844
Part No. 812230

Part No. 811214
Net .03 fl. oz.



Part No. 812265
Net 6 ml bottle
Permatex No. 3346

URETHANE AUTO GLASS SEALANT

A one part urethane adhesive sealant for bonding windshields, backlites and quarter windows.



- Substantially stronger than butyl.
- Cartridge will install (2) windshields.
- Easy handling and fast setting properties.
- For re-installation, urethane bonds & seals to original factory installed urethane sealant.
- Color: Black.

Part No. 211328 (6)
Net. wt. 11 fl. oz. cartridge (Black)
3M No. 08609

3M FAST 'N FIRM SEAM SEALER (Caulk Gun Cartridge)



- Adheres well to clean, bare, primed metal & painted surfaces.
- Skins over in quickly, can be painted in 30 minutes.
- Seals interior and exterior joints.
- Ideal as general purpose water and dust sealer.
- Will withstand mild forced drying.
- Has excellent tooling & sanding properties and exhibits low shrinkage and good resistance to weathering after cure.

Part No. 908505
Net wt. 10 oz. (Biege)
Fits 1/10 gallon caulk gun
3M No. 08505

3M STRIP CALK

For sealing openings in the car where a soft non-hardening material is needed.

- Good for use in seams, cracks in joints, trunks, cracks around pillar posts, cowling and windshields.
- Color: Black.
- Strip-Calk is waterproof, will not shrink, requires no application tools, and can be painted.



Part No. 908578
1 ft. lengths, 60 per box
3M No. 08578

3M ALL-AROUND AUTOBODY SEALANT WHITE

For sealing interior/exterior autobody joints & seams.



- Applies easily, can be smoothed to a featheredge with a wet finger and sets to a firm, tough, rubber-like, water-resistant bead.
- Can be painted within 30 minutes.
- Water cleanup (before it dries).
- Will not harm paint.

Part No. 908500
10 fl. oz. Net Weight
3M No. 08500

Fits 1/10 gallon Cartridge Gun

SEALANTS/CLEANERS and APPEARANCE PRODUCTS

SEAL-IT

MULTI PURPOSE SEALANT

Use on skylights, flashings, air vents, PVC, concrete, shingles, gutters, driveway, sidewalk cracks, roofs of semi-trailers, campers & homes.

- Protects against UV light and resists temperature extremes.
- Coating remains flexible & will not crack or peel.
- Impervious to water.
- Abrasion resistant.
- Seals out rust & corrosion.



(PSS022412)

DESCRIPTION	PART NUMBER	QTY
Black	**44448**	12
Clear	**44459**	12

15 oz. net weight (425g)

PLASTIC WELD DEBONDER

- Safely removes super high strength plastic weld repair kit material from misaligned parts.
- Removes accidently glued together skin safely.
- Will remove & dissolve cured adhesive.

(PSS090214)



Part No. 811159
20 g. (0.68 fl. oz.)

"GLEAM BEAM" HEADLIGHT RESTORER

- Cleans and polishes in one step.
- Built in UV protector.
- Removes film, dirt, grime and UV damage, lines, acid rain and yellowing.
- Transforms cloudy headlights to like new.



CLEANS 12 HEADLIGHTS



Part No. 444109
6 fl. oz. Net Weight
(PSS092315)

TOUCH SCREEN CLEANER

Safely removes oils, grime & other abrasive stains.

- Gently & effectively cleans touch screens.
- Wipes away fingerprints.
- Compact size bottle (approx. 4 oz.) fits anywhere.
- Comes with a microfiber cloth to prevent surface scratches (micofiber cloth 6-1/4" square).

Use on: vehicle DVD displays, GPS, navigation screens, tablets, laptops and cell phones



Part No. 211389
100 ml net weight (3.28 oz.)
(PSS060716)

FUEL TANK REPAIR KIT

- Makes quick, permanent repairs to leaks in all types of metal fuel tanks, without the dangerous welding.
- Repairs cracks up to 4" (10cm) long and holes up to 3/8" (9mm) in diameter.
- Ideal for cars, light trucks and commercial vehicles.
- **NOT FOR USE** on **PLASTIC** fuel tanks.



Part No. 812378
Net Wt. .09 oz.

BULLSEYE™ WINDSHIELD REPAIR KIT

Saves hundreds on unnecessary windshield replacement

- Repairs stone damage on most types of laminated windshield glass up to 1" diameter.
- Not recommended for severe star damages or cracks.
- Makes crystal clear repair in 30 minutes.
- No mixing or special tools required.
- Kit makes (1) repair.



Part No. 812352
.17 fl. oz.
Permatex No. 16067

3M SINGLE STEP PRIMER

- Single Step Primer for auto body windshields to promote urethane adhesion to the windshield; can also be used to touch pinchweld scratches and to primer encapsulated glass.



Part No. 908681
Net. wt. 125 ml.
3M No. 08681

"GLEAM BEAM" HEADLIGHT RESTORER KIT

- Cleans and polishes in one step.
- Built in UV protector.
- Removes film, dirt, grime and UV damage, lines, acid rain and yellowing.
- Transforms cloudy headlights to like new.



Cloths Included.

CLEANS 4 HEADLIGHTS



Part No. 444110
2.8 fl. oz. Net Weight
(PSS092215)

HEADLIGHT LENS RESTORER

Rated #1 by the world's largest independent test lab.

- This Nano optical grade polish has been formulated to work on all plastic, lexan & glass auto lens covers.
- It will permanently remove yellowing, haze cloudiness, light scratches, bugs, road debris & micro pitting. Perfect finish every time.
- Improves & repairs damage - giving you clear sight of the road.
- Safe & chemical free, no coatings or fillers.



Part No. 812373

CHEMICALS

AUTOMOTIVE CLEANERS and APPEARANCE PRODUCTS

ZORRO
REJUVENATOR, PROTECTANT & TIRE DRESSING



- Safe for use in paint & body shops.
- Rich, satin like, non-oily, like new finish.
- Protects against harsh elements/ conditions, brake dust and UV damage.
- Prevents fading, drying & cracking.
- Use on rubber, vinyl, consoles, window, trims, bumpers, floormats, tire sidewalls, door panels, dash & running boards.

Part No. 444100 12
32 oz. Quarts
(with trigger sprayer)

Part No. 444100G1 4
128 oz. Gallons
(PSS080114)

PRO-TECH "WET LOOK"
HIGH GLOSS DETAIL DRESSING



A no-fuss brightener for vinyl, rubber & plastic. Use on tires, trim, bumpers, moldings and exterior surfaces. Also on interior vinyl & plastic surfaces.



- Works instantly, no wiping.
- Long lasting, clear, non-foaming formula provides a water resistant high gloss shine.
- Great for hard-to-reach places.
- Contains silicone.
- Watermelon scent.

Part No. 211453 (12)
12 oz. net weight (340g)

SPEEDY WAX



Sprays on in minutes to get a showroom shine. Provides protection, water beading and shine that lasts for weeks without buffing.



- Wax in minutes.
- No waiting.
- Showroom shine.
- No buffing necessary.
- No powder or dusting.

Part No. 211204 (12)
16 oz. net weight (454g)
(PSS052914)

VELOUR & CARPET CLEANER and SPOT REMOVER



Removes spots & stains from carpet, velour and upholstery in minutes.





- Safe on all fibers.
- Leaves no circle or ring.
- For all automotive or industrial applications.

Part No. 211334 (12)
18.75 oz. net weight (532g)

BATTERY CLEANER and PROTECTOR

Two products in one can, cleans & protects.



- Penetrates, dissolves and neutralizes corrosion and acid build-up on all storage batteries.
- Leaves protective seal against future corrosion.
- Increases electrical conductivity & prolongs battery life.
- Color: Red.



Part No. 13139 (24)
14oz. net wt. (397g)

NEW EPA Compliant Formula
No MCL, CFC's or Trichloroethane

FOAMING TIRE CLEAN & SHINE

Cleans and shines tires, mud flaps and rubber bumpers. Excellent underhood cleaner and dressing.



- 1-Step Formula.
- Two products in one. Amazing foaming action, cleans and shines without washing or wiping.
- Easy to use. Simply spray it on and walk away.
- Large size aerosol can contains enough product to clean, shine and protect up to 30 tires.
- Will not harm tires, bumpers, aluminum wheels or paint.

Part No. 211337 (12)
13 oz. net wt (368g)

VINYL, LEATHER and PLASTIC CLEANER and CONDITIONER



Cleans, brightens and restores the "New Look" in just one easy step.



- Safe - will not harm fabric, chrome or paint.
- Will not crack, peel or craze.
- Use on vinyl tops, convertible tops, dashboards, seats, floor panels etc.

Part No. 211335 (12)
14.75 oz. net weight (418g)

SPEED CLAY



Professional results without the clay bar mess!

- Removes debris, contaminates and dead pigments that washing and polishing can't.
- Will not harm paint.
- Easy one step process.
- Foam on – wipe off.
- Restores showroom shine.

Part No. 444108 12
6 oz. net weight (170g)
(PSS092415)

LIQUID CAR & TRUCK WASH CONCENTRATE



- Non-streaking, fast rinsing, shine enhancing, biodegradable & outperforms all others.
- Costs less than powders, which contain 80% or more Carbonate of Soda or Sodium Sulfate.
- High foam, low viscosity that won't inhibit flow like the thick, high viscosity liquids. DON'T BE FOOLED. Concentrated doesn't always mean thick. Hand & machine use.
- Dilution rate: mix 1-2 oz. per bucket of water (2-1/2 to 3 gal).

Part No. 211206G1 4
1 gallon container

Part No. 211206G55
55 gallon container

DE-FUNK
HVAC CLEANER/DEODORIZER



- Strong detergents clean and remove mold, mildew and fungi in A/C systems.
- Completely eliminates germs and odors from evaporators.
- Insert tube directly into the center register vent.
- Safe for all A/C systems.
- Keeps cars fresh smelling.
- Made in U.S.A.

BODY SHOP SAFE

FRESH Lavender Scent

Part No. 444107
9 oz. net wt. (255g)
(PSS092115)

CLEANERS and HAND CLEANERS

CRYSTAL CLEAR

- Designed to remove dirt, grease & grime on hard surfaces.
- Heavy duty foam clings & penetrates soils.
- No dripping, running or build-up on surfaces.
- Especially great in body shops since it is ammonia & silicone free.
- Cleans, restores and shines.



Ammonia & Silicone FREE

Part No. 211629 (12)
19 oz. net weight (538g)

(PSS070710)

CHEWING GUM REMOVER

Removes chewing gum, candle wax, putty, gummy candy and more.

- Works great on carpets, upholstery, vinyl, leather, fabrics, plastics, glass and metal.
- Instantly freezes material to be removed.
- Will not harm or stain surfaces.
- Leaves no residue.
- Contains NO CFC'S or Ozone depleting ingredients.



Part No. 211466 12
6-3/4 oz. net weight (191g)

"WONDER" PREMIUM HAND CLEANER

Non-solvent formula eliminates drying & cracking of your skin



- Contains the Anti-Microbial "PCMX", superior skin emollients and skin conditioners.
- No dyes or perfumes.
- Contains natural walnut shell scrubbers.
- Thick concentrated formula reduces hand soap use by up to 75%.
- Washes away completely with no greasy residue.
- No phosphates
- Low Cost per use with Metered DIspenser.



Part No. 13181 4
120 fl. oz. 3.55 liters
Dispenser sold separately, Part No. 13184

Part No. 13183
18 fl. oz. Portable Squeeze Bottle



Lifetime Dispenser
Part No. 13184

(SMP111209)

CLING 'N CLEAN

- Non-ammoniated, clinging formula and ready to use.
- Multi-surface cleaner.
- Quickly removes dirt, grease and grime.
- Neutralizes and eliminates odors.
- Wipes off quickly without streaks or rainbows.
- Drys crystal clear.
- Prevents fingerprints & smudges.
- Leaves a pleasant citrus crème fragrance.



NO CFCs

RECYCLE RENEW REUSE

Ideal for vertical surface cleaning!

Part No. 211591 (12)
Quart size (32 oz.)

(PSS021010)

KAPOW TOWELS

Knocks Out Those Tough Cleaning Jobs

Heavy duty pre-moistened cleaning towels that consists of specially formulated dissolving agents for grease and grime. They also have "Kapow" beads on one side to provide a slightly rough texture when more cleaning help is needed.

- No water needed – clean up anywhere.
- Convenient size package.
- Economical since it replaces cleaners & rags.
- Non-flammable .
- Safe on your skin – contains vitamin E & aloe
- Non-shredding.

Solves these cleaning problems:

Odors from hands	Tar & asphalt
Carpet spots	Gasket cement
Permanent marker	Paints & varnishes
Nail polish	Coffee stains
Labels & residue	Crayon marks
Most graffiti	Tree pitch
Caulking	Plumbers cement

* Pre-testing is recommended on certain plastic surfaces. Do not use on any item with a protective finish.*

(PSS101510)



Dual textured: rough on one side and smooth on the other

Part No. 901035
Size: 9" x 12"
Count: 80 towels

CGB CHERRY GRIME BUSTER HAND CLEANER

Used by automotive, maintenance, tool & machine, print shops, truck & equipment repair facilities and construction areas.



- Super thick concentrated formula stays on your hands during washing.
- Low solvent formula.
- Pumice based for tough grease, oil, dirt and grime.
- Contains superior emollients to reduce dry and cracked hands.
- Mild cherry scent effectively overcomes residual odors.
- Use 1/2 the soap, get twice the results.
- Similar to Zep Cherry Bomb.

Part No. 13182
120 fl. oz. 3.55 liters
Dispenser sold separately, Part No. 13184



Part No. 13178
18 fl. oz. Portable Squeeze Bottle



Lifetime Dispenser
Part No. 13184

(PSS071416)

CHEMICALS

CLEANERS

DRAGON GRANULES



- Industrial strength granular cleaner.
- Dissolves grease, oil, dirt from concrete & other washable surfaces.
- Powerful cleaning & degreasing.
- Mild abrasive action for deep cleaning.
- Hard water tolerant.
- Fast acting, hard working & biodegradable.
- Deodorizes as it cleans, fresh orange scent.
- Free rinsing.

Part No. 444101-25 25 lb. container
Part No. 444101-50 50 lb. container
Part No. 444101-100 100 lb. container

(PSS121514)

"PRESSURE MAX" HEAVY DUTY PRESSURE WASHING FORMULA



- Removes grease, grime & other deposits on all parts of engines, parts & vehicles.
- Excellent with high or low pressure, hot or cold water.
- Contains biodegradable surfactants, non-phosphate.
- Non-flammable, non-corrosive & non-butyl.
- Extremely safe for workers, surfaces & environment.
- Leaves surfaces free of residue.

(PSS073114)

Part No. 44438G5 5 gallon container | **Part No. 44438G55** 55 gallon container

SURE SOLV



Sure to solve all of your clean up needs.

- Easy to use, wipes on/off & leaves no residue.
- Safe & effective, will not damage most painted surfaces.
- Fast flashing formula leaves no lingering odors.

Use it for: removing sealants, adhesives, waxes, uncured urethanes, stains, grease spots, paint overspray, road tar, chewing gum, spot cleaning and surface prep.

Part No. 44491 (Aerosol 16 oz.)
Part No. 44492 (32 oz. Liquid)

(PSS041914)

DE-SOLV-IT

Engine and Equipment Degreaser



- Specially formulated to remove dirt, grease and oil from all mechanical engines, machinery, tools and even greasy floors.
- Simply spray on DE-SOLV-IT - it penetrates through layers of dirt, grease and grime, down to the metal itself.
- Biodegradable formula emulsifies grease & oil.

Part No. 13111 6
1 lb. 2 oz. net wt. (510g)

MAGNUM

Heavy Duty Industrial Foam Degreaser

Biodegradable • Water Soluble



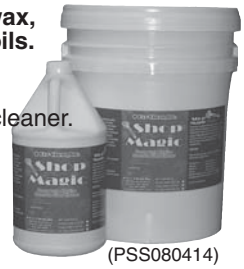
- Heavy duty powerful" foam gun" spray clings to surfaces.
- Contains ultra fast, super powerful, grease dissolving agents and detergents.
- Provides extended degreasing contact time.
- Quickly breaks down grease and grime.
- Easy clean up - may be flushed away.

Part No. 211628 (PSS060811)
Can Size 20 oz.
Net Weight 16 oz. (453 g.)

NO CFCs | STEEL

"SHOP MAGIC" HEAVY DUTY ALKALINE FLOOR CLEANER

Removes grease, oil, fats, carbon, wax, ink, tar, asphalt & other stubborn soils.



- Apply with auto scrubbers, mop, brush or pump sprayer.
- Low foaming, free rinsing, non-acid cleaner.
- Contains biodegradable surfactants.
- Dilute with hot or warm water for best results.

Part No. 44437G1 1 gallon container | **Part No. 44437G5** 5 gallon container

(PSS080414)

SPRAY GUN PAINT REMOVER

Quickly dissolves paint with pinpoint spray.



- Spray Gun Paint Remover will keep paint guns running smoothly, saving time, labor and material.
- Spray Gun Remover is an easy to use economical product for removing paint from spray guns after painting.
- Designed to remove hard, cured paint build-up from spray guns, eliminating wear and tear on the equipment.

Part No. 444105
15 oz. net weight (425g)

PSS081315

FASTBALL

ALKALINE CLEANER/DEGREASER

Rinses easily - Leaves no film • Non-hazardous

(PSS100312)

Comes in two formulas:
Highly Concentrated Formula (the dilution depends on the job) and Ready-To-Use Formula for quick spray & go applications.

Don't use on Aluminum



- Industrial grade and formulated to quickly and effectively penetrate, break up and remove stubborn oil, grease and tough soils.
- Designed to work even in hard water.
- Great to use for equipment degreasing, vent hoods & ducts, oil spills, floor cleaning, garbage containers, concrete pads, floor drains, waste receptacles, asphalt pavements, floor wax stripping, pressure washing trucks, washing coils, detailing engines and more!
- A multi-purpose product for a wide variety of applications, eliminating the need to stock several different solvents and cleaners.

Part No. 44447
1 qt. spray bottle
Part No. 44447G1
1 gallon container
Part No. 44447G1-4
4 gallon containers/case qty.
Part No. 44447G5
5 gallon pail
Part No. 44447G55
55 gallon drum

CHEMICALS

PAINTINGS/COATINGS

(PSS121614)

GRAVEL GUARD II

Premium quality, 100% rubber base undercoating.



- Black OE coarse textured finish.
- Professional body shop formula.
- Adheres well to bare metal or painted surfaces.
- Resists salt spray, weathering and gravel abrasion.
- Prevents rust, deadens sound, seals and protects.
- Expands & contracts automatically with weather changes - will not harden & crack.

Quick drying, paintable!

Part No. 211317 (12)
17.25 oz. net weight (503g)

FLEXIBLE BUMPER & TRIM PAINTS



- High solids, fast drying, flexible formula.
- Formulated to refinish plastic and metal bumpers and trim components.
- High quality refinish duplicates OE appearance.
- Contents 16 fluid oz., 12-3/4 oz. net wt. Available in single cans or six packs.

PART NUMBER	QTY	COLOR	DESCRIPTION
124135	6	Satin Black	Low gloss matches foreign and domestic bumpers & trim.

CHROME-BRITE

The almost like chrome spray paint.



- Excellent for touch-up on chrome or almost any surface where a chrome-like finish is desired.
- Restores the new chrome appearance of bumpers, grills, furniture, light fixtures, hubcaps and wheels, etc.

Part No. 12495
16 fluid oz., 12.1 oz. net weight

ZINC GALVANIZING COMPOUND

For apps. where metal is subjected to corrosion & rust.



- Protection equal to hot-dipped galvanizing.
- Highly resistant to salt corrosion & water.
- Epoxy resin binder.
- Can be top coated with conventional primers & finishes. Avoid lacquers & alkyds.

Zinc Rich Cold Galvanize

Part No. 211303 (12)
16 fl. oz. / 13 oz. net weight (369g)
Dark Gray Matte Finish

Part No. 211304 (12)
16 fl. oz. / 12 oz. net weight (340g)
Bright Metallic Silver Finish

FLEX PROTECT

METAL PARTS PROTECTOR - CORROSION INHIBITOR



- Provides indoor & outdoor protection with a long lasting anti-rust, anti-corrosion film that is resistant to salt sprays, harsh weather, humidity & chemical vapors. Seals out moisture, pollutants and air.
- Contains a unique amber flex dust that expands & contracts with all metal surfaces to prevent cracking & peeling.
- Meets Military Specifications: MIL-C-16173D & MIL-C-83933A
- For parts that require long term storage or transportation.

NO CFCs

MADE IN THE U.S.A.

Part No. 211331 (12)
15 oz. net weight (425g)

ONE STEP AUTOMOTIVE SELF ETCH PRIMER



- ONE STEP is a high build, easy to use self etch primer that provides excellent adhesion for additional topcoats, primers, and sealers to metal.
- Compatible with all primer surfacers for spot repair and refinishing.
- Apply to steel, aluminum, most metals and other substrates.
- Good filling characteristics.
- Fast drying.

PSS081415

COLOR	PART NUMBER
Grey	**444103**
Black	**444104**

15 oz. net weight (425 g)

COVER-ALL HIGH SOLIDS ENAMEL PAINT

For Automotive, Industrial & MRO Applications

Use on: vehicle frames, machinery, racks, bins, tanks, piping, ornamental iron, PVC, wood & more!



- The premium solids formula results in using less cans of product to get the job done right, the first time.
- COVER-ALL provides the highest coverage per ounce.
- One can is equivalent to using four cans of low solids, less expensive brands.
- Maximum protection to a wide variety of metal.
- Excellent spray characteristics.
- Protects against weathering, rust, oil, gasoline and corrosive chemicals.
- High opacity and great durability.
- Direct to metal.
- Tough and Effective.

(PSS020216)



DESCRIPTION	PART NUMBER	QTY
Lt. Gray Primer	**124252**	12
Gloss White	**124251**	12
Flat White	**124257**	12
New Equip. Yellow	**124255**	12
Safety Yellow	**124260**	12
School Bus Yellow	**124269**	6
Omaha Orange	**124266**	12
Safety Orange	**124261**	12
Red Iron Oxide	**124253**	12
Safety Red	**124262**	12
Dark Green	**124267**	12

20 fluid oz., 16 oz. net weight

DESCRIPTION	PART NUMBER	QTY
Safety Blue	**124263**	12
Deep Blue	**124268**	12
Aluminum	**124264**	12
Gray ANSI 61	**124258**	12
Lt. Machinery Gray ANSI 70	**124256**	12
Dk. Machinery Gray ANSI 40	**124259**	12
Gloss Black	**124250**	12
Flat Black	**124254**	12
Semi Gloss Black	**124265**	12

CHEMICALS















NON-WOVEN ABRASIVES

PREDATOR SERIES

Use for aggressive grinding, stock removal, welds, deburring, rust & corrosion.



- The premium performing disc in the quick-change grinding category.
- Self-sharpening, high performance ceramic grain will cut 2Xs faster & last 3Xs longer than general purpose alumunim oxide grain.
- Made with durable heavy-duty vulcanized fibre backing.
- Fibre backed disc provide extended service life vs. conventional cloth backed disc.
- Popular "male" fastening system allows for fast & easy disc engagement.



PART NUMBER	GRIT/ GRADE	DIA.	DISC HOLDER	MAX RPM	QTY
815250	50	2"	**815282***	30,000	25
815251	36	2"	**815282***	30,000	25
815252	24	2"	**815282***	30,000	25
815253	50	3"	**815283***	20,000	25
815254	36	3"	**815283***	20,000	25
815255	24	3"	**815283***	20,000	25

***1/4" shaft diameter**

SURFACE PREP & GRINDING DISCS ASSORTMENT – FOR STEEL & ALUMINUM –





Part No. 501789

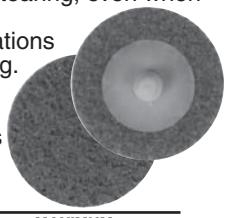
44 pieces • 11 items • 12051 steel tray

811676	815260	815263	815282
815250	815261	815270	815283
815251	815262	815271	

Numbers in assortment

ERADICATOR SERIES

- Premium grade made with ceramic-coated grain to provide added durability, cut rate and extended service life vs. standard (economy) grade.
- Cushioned-type construction provides excellent conformability, consistent cut rate and uniform finish.
- Made with a flexible matrix of woven nylon filaments with abrasive particles of grain.
- Reinforced scrim backing incapable of tearing, even when snagged.
- Excellent for non-stock removal applications such as cleaning, blending and finishing.
- Effectively used on most every type of material.
- Popular "male" fastening system allows for fast & easy disc engagement.



– STEEL PARTS –

PART NUMBER	DIA. (INCHES)	GRIT/ COLOR	DISC HOLDER	MAXIMUM RPM	QTY
815260	2	medium/maroon	**815282***	30,000	25
815261	2	coarse/brown	**815282***	30,000	25
815262	3	medium/maroon	**815283***	20,000	25
815263	3	coarse/brown	**815283***	20,000	25

***1/4" shaft diameter** — **Disc Holder - Sold 1 Per Box**

– ALUMINUM PARTS –

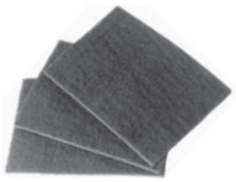
PART NUMBER	DIA. (INCHES)	GRIT/ COLOR	DISC HOLDER	MAXIMUM RPM	QTY
815270	2	(SUFN)/gray	**815282***	30,000	25
815271	2	(VFN)/blue	**815282***	30,000	25
815272	3	fine/gray	**815283***	20,000	25
815273	3	medium/blue	**815283***	20,000	25

(SUFN) Super Ultra Fine
(VFN) Very Fine

Disc Holder - Sold 1 Per Box

SURFACE CONDITIONING HAND PADS

- Bonded aluminum oxide grain provides constant, long-lasting, cutting & polishing action.
- Replaces steel wool with no rusting, splintering or contamination.
- Tough, heavy duty non-woven material outlasts paper-backed abrasives. Can be used wet or dry; washable and reusable.
- Adaptable to both hand or machine finishing.



113262 **Extra coarse (gray) -** very fast material removal and heavy duty cleaning. Out-cuts all other pads. Can be used to create a decorative scratch finish.

113222 **Medium coarse (green) -** a general duty pad. Ideal for scuffing acrylics & blending paint. Well suited for light duty cleaning, finishing, rust removal and light oxide removal.

113227 **Medium fine (maroon) -** an ideal general purpose pad. For hand blending, cleaning and finishing. Removes rust and corrosion, imparts a satin finish on extruded aluminum. Can be used to clean up printed circuit boards. Use to scuff surface before applying paint or primer/surfacer. Excellent for used car reconditioning, cleaning upholstery, headliners, door pads, chrome & cleaning whitewall tires.

113234 **Fine (gray) -** especially suited for light cleaning and fine finishing of all metals, plastics and fiberglass surfaces. Removes fine burrs on hreaded parts, cleans glass, molds and polishes dies. Ideal for rubbing down primer and sealer coats in woodworking. Also for final sanding of primer/surfacer before applying auto body paint finishes.

– HAND PAD TEST KIT –

Part No. 113299

(2) - extra coarse (2) - medium fine
(2) - medium coarse (2) - fine

PART NUMBER	DESCRIPTION	COLOR	INTERCHANGE 3M	NORTON	ANDERSON	QTY
113222	Medium Coarse (general purpose)	Green	N/A	668	61768	25
113227	Medium Fine (general purpose)	Maroon	**907447†**	707	60000	25
113234	Fine	Gray*	**907448†**	635	60247	25

***Silicone Carbide** — **† 3M quantities are 20 per box.**

STRIPPING DISCS

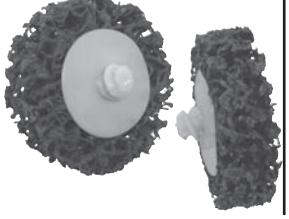
The open web-like structure of this heavy duty non-woven material offers a unique combination of an aggressive cleaning action and a refined finish. The red material has a tight web construction and is more rigid, has a faster rate-of-cut and is more resistant to wear when introduced to sharp angles and edges, giving it a longer service life. It's very effective for non-loading removal of paint, scale, rust, corrosion, grease, oil and most coatings. Use it on stainless steel, carbon steel, aluminum, titanium, fiberglass, plastics, composites, wood and stone.

QUICK CHANGE DISCS

- Quickly mounts to Type R quick change holder for use on pneumatic tools.
- Adapts to contours & irregular surfaces. Accesses confined & hard-to-reach areas.

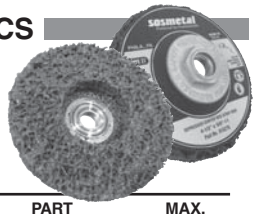
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SIZE	COLOR	PART NUMBER	QTY	HOLDER NUMBER
2	Red	**815274**	5	**815282**
3	Red	**815275**	5	**815283**



TYPE 27 DISCS

- Disc is mounted to a rigid fiberglass backing plate to be used on a right angle grinder without the need for a backing pad.
- The aggressive nature of the material makes these ideal for extremely heavy "scrubbing"of large spacious surface areas.



PSS012116

SIZE DIA.xARBOR	COLOR	PART NUMBER	QTY	MAX. RPM'S
4-1/2 x 7/8	Red	**815278**	2	11,000
4-1/2 x 5/8-11	Red	**815279***	2	11,000

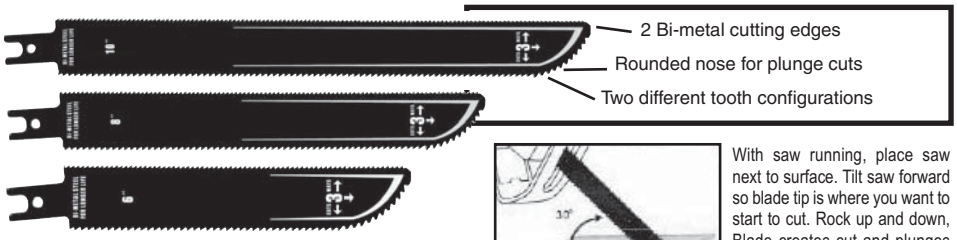
***Note: Disc with 5/8"-11 threaded arbor system mounts quickly to the tools threaded spindle.**

SAW BLADES

TRIPLE EDGE RECIPROCATING SAW BLADES

The ONLY blade that cuts in either direction without turning over the saw!

- Bi-metal steel for longer life.
- Teeth on opposing edges for two-way cutting.
- Rounded tip prevents kickback.
- Saves time in changing blades.
- Plunge cuts - no pre-drilling.
- Fits most reciprocating saws.
- Back & forth cutting - without turning the saw.
- Cuts wood, sheet metal, MDF, plastic and steel pipe.
- Two pronged tang for stability and control.



PSS052112

With saw running, place saw next to surface. Tilt saw forward so blade tip is where you want to start to cut. Rock up and down, Blade creates cut and plunges through material.

PART NUMBER	LENGTH	TEETH PER INCH	PKG QTY
114562	6"	7 x 7	5
114563	8"	7 x 7	5
114564	10"	7 x 7	5
114565	6"	7 x 10	5
114566	8"	7 x 10	5
114567	10"	7 x 10	5
114534	6"	10 x 14	5
114538	8"	10 x 14	5
114539	10"	10 x 14	5

RECIPROCATING SAW BLADES (SAWZALL)

Fits: Most U.S. and Foreign made saws.

PART NUMBER	L x W x T INCH	TEETH PER INCH	SHAPE	RECOMMENDED USE
114475†	6 x 3/4 x .050	6		Plaster, plaster board
114476	6 x 3/4 x .050	6		Rough work in wood*, fast cutting
114477	12 x 3/4 x .050	6		used in remolding and demolition work
114478	6 x 3/4 x .035	6		Wood*, all composition material
114479	6 x 3/4 x .035	10		Wood*, compositions, plastic, cast aluminum & non-ferrous metals
114480	12 x 3/4 x .050	10/ 14		All woods*, plastic cast aluminum &
114481	4 x 3/4 x .035	14		Heavy gauge metal 1/4-1/2, 6-13mm
113430	6 x 3/4 x .035	14		Hard rubber, fiber & angle iron
114482	4 x 3/4 x .035	18		Heavy gauge metal 1/8-1/4, 3.2-6mm
113431	6 x 3/4 x .035	18		Conduit & tubing, opening wood crates*, removing wood siding or shingles.
113432	6 x 3/4 x .035	24		Metal & galvanized pipe 18 gauge & under

FEATURES

- Bi-metal construction.
- Matrix II type alloy high speed steel cutting edge (8% cobalt edge).
- Tooth hardness Rc 65-66.
- Precision teeth.

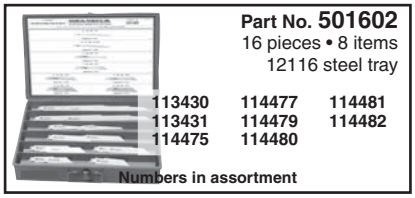
BENEFITS

- Cuts tough materials including nail-embedded wood.
- Longer life.
- Retains tooth sharpness longer.
- Increases productivity.
- Faster cutting.

ADVANTAGES

- Shatterproof.
- Shock resistant teeth.
- High wear resistance.
- High heat resistance.





Part No. 501602
16 pieces • 8 items
12116 steel tray

113430	**114477**	**114481**
113431	**114479**	**114482**
114475	**114480**	

Numbers in assortment

†V-tooth 60° angle.*Including nail-embedded wood.
All reciprocating saw blades are packed 5.

HEAVY DUTY RECIPROCATING SAW BLADES

44% thicker than standard blades.

- More rugged and durable in tough, metal cutting applications.
- Blades won't whip from side to side.
- Blades won't fail from tooth chippage.

PART NUMBER	L x W x T INCH	TEETH PER INCH	SHAPE	RECOMMENDED USE
114483	6 x 3/4 x .050	10/ 14		Heavy gauge metal 3/16"-3/4" / 5-20mm, inc. rescue operations
114487	8 x 3/4 x .050	10/ 14		Heavy gauge metal 3/16"-3/4" / 5-20mm

All heavy duty reciprocating saw blades are packed 2.

SHOP SUPPLIES

CUTTING & GRINDING WHEELS

DIAMONDX® TYPE 1 CUTTING WHEELS

***DIAMONDX* uses a unique technology that allows a high concentration of diamonds to be solidly bonded to a steel surface for cutting metal.**

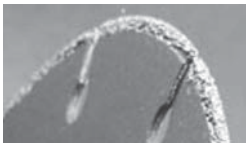
LONG LASTING – HIGH PERFORMANCE

- **Longer Lasting,** than other abrasives. Last up to 100X's longer depending on the application.
- **Cut Virtually Any Material,** wood, steel, copper pipe, pvc, brick, concrete, metal and square tube, stainless steel, cast iron and more.
- **Safely De-Burr Flashing** from cuts using the blade edge. (unlike abrasives that can be dangerously damaged by this procedure).
- **Cost Savings –** from abrasive wheel change-overs alone can offset the cost of one **DIAMONDX** cutter.
- **Will Not Break Or Shatter i**f dropped or if exposed to water.









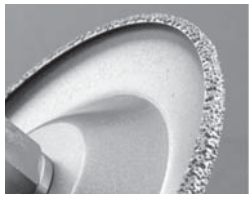
PART NUMBER	DIA. (INCHES)	GRIT	ARBOR	MAX RPM
815038	2"	40/50	3/8"-1/4"	30560
815039	3"	40/50	3/8"-1/4"	25000
815041	4"	40/50	5/8"-3/8""	19000
815042	4-1/2"	40/50	7/8"	13600
815043	5"	40/50	7/8"	12225
815044	6"	40/50	7/8"	10225

*** Additional sizes are available on a special order basis. Call for information.**

DIAMONDX® TYPE 27/29 DEPRESSED CENTER GRINDING WHEELS

***DIAMONDX* uses a unique technology that allows a high concentration of diamonds to be solidly bonded to a steel surface for grinding metal.**









PART NUMBER	DIA. (INCHES)	GRIT	ARBOR	MAX RPM
815002	4-1/2"	24	5/8-11 Hub*	13300
815012	4-1/2"	40/50	5/8-11 Hub*	13300

* Removable hub for 7/8" arbor

LONG LASTING – HIGH PERFORMANCE

- **Diamonds,** the hardest natural material gets the job done quickly and efficiently.
- **Outperforms Others –** last 50-60 times longer than standard grinding wheels.
- **Cost Efficient,** fewer purchases over time.
- **Less Down Time –** no need to have the operator changing wheels.
- **Promotes longer tool life –** no abrasive debris and minimum dust.
- **Super Safe –** eliminates breakage, cracking and failure.
- **Reduced Vibration,** sparks and odors.
- **Not Effected** by exposure to water.
- **Use On** high and low carbon steel, ductile iron, rail track, cast iron, alloys, stainless steel, pipeline application and foundry castings.

*** Additional sizes are available on a special order basis. Call for information.**

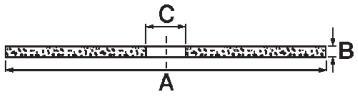
ZEUS CUT-OFF WHEELS



Made in USA

ZEUS cut-off wheels are designed to cut faster, cooler and freer requiring less power. Designed to be flexible under stressful and binding applications, these wheels are ideal for maintenance departments, welding shops, automotive shops and metal fabrication.

- Special aluminum oxide grain.
- Externally reinforced with fiberglass layers to provide ultimate safety.
- Fast, burr-free cutting.
- Specifically designed for use on right angle grinders.



TYPE 1 Wheels for ELECTRIC and AIR GRINDERS

PSSZT010512 **Small diameter cut-off wheels are designed to perform on a variety of metal applications.**

Unsurpassed in quality and performance these wheels are made from Premium Ceramic and Zirconia Grain Mix and are contaminate INOX Free.

SIZE "A" DIA.	SIZE "B" WIDTH	SIZE "C" BORE	MAX RPM	GRAIN/ GRIT	USE	PART NUMBER	QTY
3	.035	3/8	25,450	**SGA60U**	S/S & Alloys, Fast Cutting	**811670**	50
3	1/16	3/8	25,450	**SGA46U**	S/S & Alloys, Long Lasting	**811671**	50

S/S= Stainless Steel

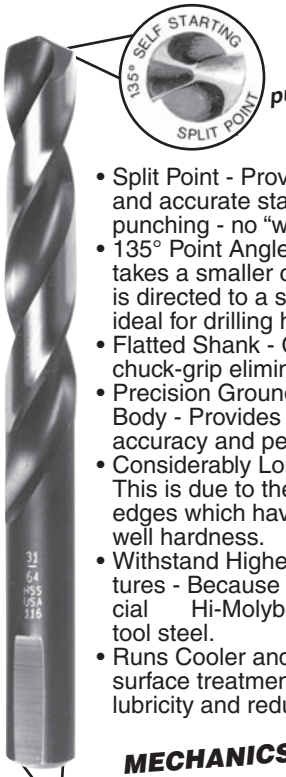
When dependability and flexibility are a must, these fast, clean straight cutting and long lasting wheels are tops in the industry.

SIZE "A" DIA.	SIZE "B" WIDTH	SIZE "C" BORE	MAX RPM	GRAIN/ GRIT	USE	PART NUMBER	QTY
3	1/16	3/8	25,450	**A46T**	Ferrous Metals	**811720**	10•
3	1/8	3/8	25,000	**A36T**	Ferrous Metals	**812435**	1•
3	.035	3/8	25,450	**TA60T**	Ferrous Metals & S/S	**811721**	50
3	1/16	3/8	25,450	**TA46T**	Ferrous Metals & S/S	**811682**	50
4	.035	3/8	19,000	**TA60T**	Ferrous Metals & S/S	**811672**	50
4	1/16	3/8	19,000	**TA46T**	Ferrous Metals & S/S	**811673**	50

S/S= Stainless Steel • NOT SOS LABEL

ULTRA MOLY MUSCLE DRILL BITS

ULTRA MOLY MUSCLE DRILL BITS



Ideal for use in hand drills with keyless chucks. They will make your job easier and save you time therefore saving you money.

no center punch needed!

Specially heat treated and then nitro-carburized. Allows for use in work hardening grades of stainless steel and other hard metal drilling applications

- Split Point - Provides fast penetration and accurate starting without center punching - no "walking'.
- 135° Point Angle - The flatter point takes a smaller chip and more torque is directed to a smaller area making it ideal for drilling hard materials.
- Flatted Shank - Gives positive chuck-grip eliminating slippage.
- Precision Ground Point, Flutes and Body - Provides the ultimate in accuracy and performance.
- Considerably Longer Cutting Life - This is due to the nitro-carburized flute edges which have an increased Rockwell hardness.
- Withstand Higher Drilling Temperatures - Because they are made of special Hi-Molybdenum tool steel.
- Runs Cooler and Cuts Easier - Gold surface treatment provides maximum lubricity and reduces friction.

MECHANICS LENGTH



3 Flats on 3/16" and larger shank give positive chuck-grip, and *virtually eliminates drill/chuck slippage.*



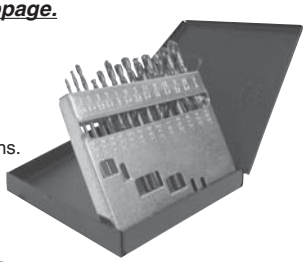




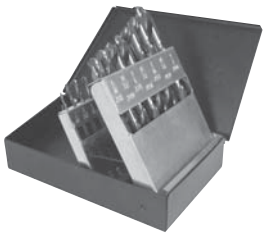
Cuts easily through hardened materials. ADV072811

DIAMETER	OVERALL LENGTH	FLUTE LENGTH	PKG QTY 1	PKG QTY 3	PKG QTY 6	PKG QTY 12
1/16	1-7/8	7/8	**811020**	**811020-3**	**811020-6**	**811020-12**
5/64	2	1	**811021**	**811021-3**	**811021-6**	**811021-12**
3/32	2-1/4	1-1/4	**811022**	**811022-3**	**811022-6**	**811022-12**
7/64	2-3/8	1-5/16	**811023**	**811023-3**	**811023-6**	**811023-12**
1/8	2-1/2	1-7/16	**811024**	**811024-3**	**811024-6**	**811024-12**
9/64	2-5/8	1-9/16	**811025**	**811025-3**	**811025-6**	**811025-12**
5/32	2-3/4	1-11/16	**811026**	**811026-3**	**811026-6**	**811026-12**
11/64	2-7/8	1-13/16	**811027**	**811027-3**	**811027-6**	**811027-12**
3/16	3	1-7/8	**811028**	**811028-3**	**811028-6**	**811028-12**
13/64	3-1/8	1-15/16	**811029**	**811029-3**	**811029-6**	**811029-12**
7/32	3-1/4	2	**811030**	**811030-3**	**811030-6**	**811030-12**
15/64	3-3/8	2-1/16	**811031**	**811031-3**	**811031-6**	**811031-12**
1/4	3-1/2	2	**811032**	**811032-3**	**811032-6**	**811032-12**
17/64	3-5/8	2-1/8	**811033**	**811033-3**	**811033-6**	**811033-12**
9/32	3-3/4	2-1/4	**811034**	**811034-3**	**811034-6**	**811034-12**
19/64	3-7/8	2-3/8	**811035**	**811035-3**	**811035-6**	**811035-12**
5/16	4	2-1/2	**811036**	**811036-3**	**811036-6**	**811036-12**
21/64	4-1/16	2-9/16	**811037**	**811037-3**	**811037-6**	**811037-12**
11/32	4-1/8	2-5/8	**811038**	**811038-3**	**811038-6**	**811038-12**
23/64	4-3/16	2-11/16	**811039**	**811039-3**	**811039-6**	**811039-12**
3/8	4-1/4	2-11/16	**811040**	**811040-3**	**811040-6**	**811040-12**
25/64*	4-5/16	2-3/4	**811041**	**811041-3**	**811041-6**	**811041-12**
13/32*	4-3/8	2-13/16	**811042**	**811042-3**	**811042-6**	**811042-12**
27/64	4-7/16	2-7/8	**811043**	**811043-3**	**811043-6**	**811043-12**
7/16	4-1/2	2-15/16	**811044**	**811044-3**	**811044-6**	**811044-12**
29/64	4-5/8	3	**811045**	**811045-3**	**811045-6**	**811045-12**
15/32	4-3/4	3-1/8	**811046**	**811046-3**	**811046-6**	**811046-12**
31/64	4-7/8	3-1/4	**811047**	**811047-3**	**811047-6**	**811047-12**
1/2	5	3-3/8	**811048**	**811048-3**	**811048-6**	**811048-12**

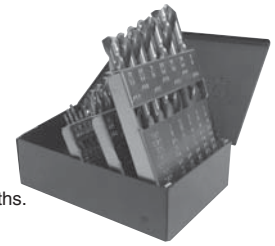
***Will fit 3/8 chuck.**



Part No. 811001
13 piece set
Sizes: 1/16" to 1/4" by 64ths.
packed in 12173 index



Part No. 811002
15 piece set
Sizes: 1/16" to 1/2" by 32nds.
packed in 12174 index



Part No. 811004
29 piece set
Sizes: 1/16" to 1/2" by 64ths.
packed in 12175 index

Holder not available separately.



Part No. 811005
29 piece set
Sizes: 1/16" to 1/2" by 64ths.
Weather Tight, Waterproof
Indestructible Plastic Holder:
3-1/8" W x 6-1/2" H



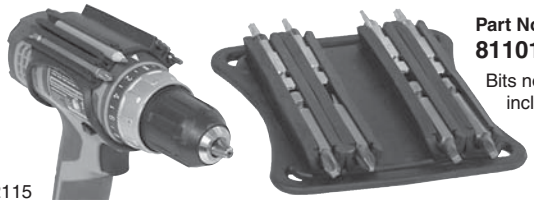
Room for 12 of each size

Part No. 811003
29 piece set
Sizes: 1/16" to 1/2" by 64ths.
packed in 12072 cabinet

BIT HOLDER

Holds insert bits, drill bits, nut drivers, pencils/pens, magnetic bit holders and more – on your drill!

- Slips easily on/off full sized cordless drills or impact drivers.
- Holds up to (16) 1" bits or countless combinations of other items.
- Keeps accessories handy.
- Where you need them – when you need them.



PSS042115

Part No. 811010
Bits not included.

J10-248
REVISED NOVEMBER, 2016

SHOP SUPPLIES

SPECIALTY DRILLS and E-Z REAMER

WELDOUT™ SPOTWELD DRILLS

Designed to effectively cut auto body panel spot welds.

DRILL DIA MM	PART NUMBER	APPROX SPOTWELD SIZE, INCHES	OVERALL LENGTH INCHES	FLAT LENGTH INCHES
6.5	**814741**	1/4	1-9/16	.44
6.5	**814743**	1/4	1-3/4	None
6.5*	**814744**	1/4	3-5/8	None
8.0	**814745**	5/16	1-9/16	.44
8.0	**814746**	5/16	1-29/64	.44
8.0	**814747**	5/16	1-11/16	.75
8.0	**814748**	5/16	1-3/4	None
8.0*	**814749**	5/16	3-5/8	None
10.0	**814750**	3/8	1-3/4	None
10.0*	**814751**	3/8	3-5/8	None

***twin end**



- Cobalt high speed steel, more abrasion resistant.
- Spur point designed to cut through the weld on one panel while leaving second panel free of holes.
- Long wearing cutting edges.
- Sizes without flats are for use in standard air powered drill motors.

CARBIDE SPOTWELD DRILLS

Carbide ALTiN coated spotweld drills.





- Designed to cut spotwelds from Boron Steel.
- Use in high temperature operations and difficult to machine material. ALTiN coating improves lubricity, reduces chip weld & can be operated at 30% faster feeds and speeds.
- Recommended (900 RPM - 1,000 RPM).

DRILL DIA MM	PART NUMBER	APPROX SPOTWELD SIZE, INCHES	OVERALL LENGTH INCHES	FLAT LENGTH INCHES
TYPE 187-B				
8.0	**814960**	5/16	2	None
TYPE 187-B WITH FLAT ON SHANK				
8.0	**814961**	5/16	1-3/4	.750

PSS101614

LEFT HAND* DYNALLOY TWIST DRILLS

- Left hand rotation helps loosen screw and provide firm bite for extractor.
- Loose broken studs & bolts will often unscrew while using left hand drill.
- High speed alloy steel with 118° point.
- Ideal for use with screw extractors.
- Polished flutes - improved chip removal.
- Straight shank - jobber length.

PART NUMBER	DIA	DEC. EQUIV.	OVERALL LENGTH	FLUTE LENGTH	QTY
813790	1/16	.0625	1-7/8	7/8	1
813791	3/32	.0937	2-1/4	1-1/4	1
813631	1/8	.1250	2-3/4	1-5/8	3
813632	5/32	.1562	3-1/8	2	3
813633	3/16	.1875	3-1/2	2-5/16	3
813634	7/32	.2188	3-3/4	2-1/2	3
813635	1/4	.2500	4	2-3/4	3
813792	9/32	.2812	4-1/4	2-15/16	1

PART NUMBER	DIA	DEC. EQUIV.	OVERALL LENGTH	FLUTE LENGTH	QTY
813636	5/16	.3125	4-1/2	3-3/16	3
813793	11/32	.3437	4-3/4	3-7/16	1
813637	3/8	.3750	5	3-5/8	3
813794	13/32	.4062	5-1/4	3-7/8	1
813795	7/16	.4375	5-1/2	4-1/16	1
813796	15/32	.4687	5-3/4	4-5/16	1
813797	1/2	.5000	6	4-1/2	1

*** These drills must be used with a reversible drill turning in the proper direction.**

813015
7 piece set
Includes 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"
Packed in 12096 Index

813045
15 piece set
All sizes included
Packed in 12096 Index



DYNALLOY E-Z REAMER

- Spring Hangers.
- Weighted bumper mounting on cranes.
- Installing teeth on front end of loader buckets.
- Tool box, accessory, fuel tank, 5th wheel & tow hook mounting.
- Enlarging spring center bolt holes.
- Enlarging misaligned holes.



Outperforms Ordinary Reamers 10 to 1

FEATURES / BENEFITS

- Specially developed to produce new holes or enlarge existing holes.
- Drill truck frames in minutes instead of hours. Specially engineered incline plane makes the difference.
- Use heavy duty 1/2" or larger drill with at least 4.5 amps, best results obtained if motor is 6 to 15 amps. High amps provide constant torque with even speed.
- Tougher alloy steel increases tool life.
- SAFER - Mechanics are convinced problems - NON-EXISTENT with the Dynalloy E-Z Reamer. Tool Guard Collar protects tool and drill.
- EASIER - Any mechanic can operate the Dynalloy E-Z Reamer. Because less effort or pressure is required.

814015
3 piece set
Includes 1/2", 5/8", 3/4"
Sturdy Plastic Case

814016
4 piece set
Includes 3/8", 1/2", 5/8", 3/4"
Sturdy Plastic Case



PART NUMBER	DIAMETER	OVERALL LENGTH	TAPER LEAD	SHANK LENGTH	SHANK DIAMETER	FLUTE LENGTH	FLUTES	HELIX ANGLE	COLLAR DIAMETER	COLLAR THICKNESS
113140	3/8	4-3/4	8°	1-1/2	1/2	3-1/4	4	20°	1/2	5/16
113141	7/16	4-3/4	8°	1-1/2	1/2	3-1/4	4	20°	9/16	5/16
113151	1/2	5-3/4	8°	1-1/2	1/2	3-3/8	5	20°	5/8	5/16
113142	9/16	5-3/4	8°	1-1/2	1/2	3-3/8	5	20°	11/16	5/16
113152	5/8	6-3/16	8°	1-1/2	1/2	3-7/8	5	20°	3/4	5/16
113153	3/4	6-3/4	8°	1-1/2	1/2	4-1/4	5	20°	7/8	5/16
113143	7/8	7-1/8	8°	1-1/2	1/2	4-7/8	5	20°	1	5/16
113144	1	7-3/16	8°	1-1/2	1/2	4-3/4	5	20°	1-1/8	5/16

PSS102513



Part No. 814014
8 pieces • 8 items
12116 steel tray

113140	114144
113141	113151
113142	113152
113143	113153

Numbers in assortment

STEP DRILLS and CUTTING TOOLS

ULTRA-MOLY MUSCLE STEP DRILL BITS - "QUICK RELEASE STYLE"

PROUDLY MADE IN THE USA

M2 Steel - Gold Oxide Coating





Part No. 813670
Contains sizes: 1/8" - 1/2", 3/16" - 1/2" & 1/4" - 3/4"
3 pieces • 3 items
metal case

813671 813672 813673

Numbers in assortment

- Use for all thin metals, rigid plastics, wood or composite materials with a thickness equal to or less than the step thickness.
- Quick release shank eases changing of cutting tools.

PSS072014

For Safety Always Wear Goggles and Face Shield when Grinding & Sanding

PART NUMBER	HOLE SIZE	NO. OF SIZES	STEP RANGE	STEP INCREMENTS	THICKNESS
813671	1/8 - 1/2	13	1/8 - 1/2	1/32	1/8
813672	3/16 - 1/2	6	3/16-1/2	1/16	3/8
813673	1/4 - 3/4	9	1/4 - 3/4	1/16	5/32

Part No. 826210
Quick Release Adapter

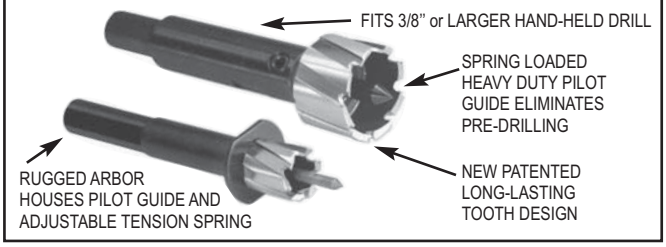


ROTABROACH® CUTTERS

Body shops, frame straighteners, rustproofers and undercoaters find using *ROTABROACH® CUTTERS* is the best, fastest way to cut holes in steel, sheet metal, wood and plastic.
A spring-loaded pilot guide in arbors eliminates predrilling. The cutters are designed to prevent chip clogging.

- Heavy duty hole cutter.
- Revolutionary patented step-tooth design for longer cutter life.
- Super-fast, rugged.
- 3x's faster and last 10x's longer than twist drills or holesaws.
- No deforming of stock.
- No jagged edges.
- No out of round holes.

HEAVY DUTY USE: For sheet metal & materials up to 1/2" - thick.



INDIVIDUAL CUTTERS



Use Arbor,
Part No. 113026

PART NUMBER	DIA. INCHES	DECIMAL EQUIVALENT
113489	1/4	.2500
113490	5/16	.3125

Use Arbor,
Part No.'s 113026 or 113027

PART NUMBER	DIA. INCHES	DECIMAL EQUIVALENT
113491	3/8	.3750
113492	7/16	.4375
113493	1/2	.5000
113494	9/16	.5625
113495	5/8	.6250
113496	3/4	.7500

SHOP SUPPLIES

POWER CUTTER UTILITY SNIPS



Part No. 213224



The powerful, all purpose cutting tool.

A true mechanic's aid for the automotive and auto body shop.

- Stainless steel blades are offset to keep hands above material for safe, easy, accurate cutting action.
- Cuts thin gauge sheet metal, wire, leather, rubber, vinyl, sandwich gaskets, fibre glass cloth, metal screen, hoses, floor mats and carpeting.

INSPECTION STICKER SCRAPER

- Remove stickers, paint, varnish, and tar from glass.
- E-Z grip vinyl handle.
- Replaceable single edge razor blade.
- 7-3/4" long, complete with one blade.
- Folds in half to lock blade safely inside handle.



Part No. 113113

Replacement blade:
Part No.'s. 11301 or 11304

WINDOW SCRAPER



Part No. 113229

Replacement blade:
Part No.'s. 11301 or 11304

- This small, easy to handle scraper gets into all those tight places other scrapers cannot.
- It removes inspection stickers, excess paint, and more, from any window.
- This versatile tool also snaps open & closed for safety.
- Comes complete with **Part No. 11301** razor blade.

HEAVY DUTY INDUSTRIAL RAZOR BLADES

- Industrial quality.
- Heavy gauge.
- Specially ground sharp, long lasting edge.
- Fits most knives & inspection sticker scrapers available today.
- Packed in dispenser tray.



.009 Gauge Steel
Part No. 11301 100

Extra Heavy Duty For Maximum Strength .012 Gauge Steel
Part No. 11304 100

PLASTIC RAZOR BLADE

- Eliminate scratching of plastic coated windshield.
- Removes stickers & labels without scratching.
- Lightweight, long lasting.



Part No. 11302 24

Use on all plastic coated windshields (used on many G.M. late model cars)

HAND TOOLS

MEYERPLIER

The ANYWHERE Combo Vice/Clamp.

- Goes anywhere, clamps to almost anything.
- Securely clamps objects while leaving both hands free to work.
- Use for sawing, drilling, filing, soldering, welding, painting, gluing, sanding, bending and much more.
- A compact, high quality tool, the MEYERPLIER is also a locking plier, a c-clamp and a wire cutter.



Part No. 213617
10" length

SURE GRIP LOCKING TOOL

The world's smallest locking tool.

- Adjustable toggle joint clamp guarantees the highest clamp force.
- Compact design 3-1/2" long, weighs 2-1/2 ounces.
- Works in extremely small spaces.
- Made of heat treated aircraft aluminum alloy.
- One handed operation. Just adjust, clamp & release.
- Resistant against welding splashes.
- Fits in the palm of your hand.



SMP121009

Part No. 213352

E-Z SET & FORGET PLIERS

Self Adjusting Pliers - lock on any size without adjusting.

- Simple one-handed use.
- Meets or exceeds ANSI & ASME, standard for material, hardness,strength & performance.



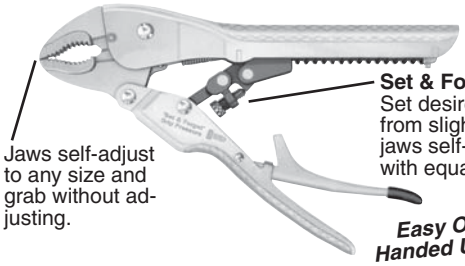


Self-Adjusting Locking Pliers Automatically Locks On Any Size

PART	SIZE (INCHES)	DESCIPTION
113581	6	Curved Jaw
113577	7	Needle Nose
113580	10	Curved Jaw
113585	Set	Includes all three sizes



SMP122208



Jaws self-adjust to any size and grab without adjusting.

Set & Forget:
Set desired clamp pressure, from slight to extreme, and jaws self-adjust to any size with equal grip pressure.

Easy ONE Handed Usage

MULTI WEDGE™ NON-MARRING PRY TOOLS

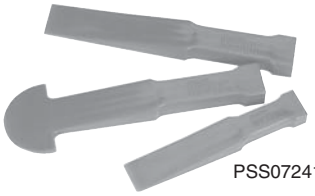
Great on plastic, wood, upholstery, glass, fiberglass, painted surfaces! Easily pry bezels, dashes, badges, trim, moldings, door panels, body work, seals and upholstery.

- Made of 2 different materials covering a complete range of applications.
- No other tool has a super thin tip (.005) allowing them to get into super tight gaps.

Part No. 113273
Includes 3 of each Orange & Black Tools

The 4 in 1

Replaces screwdrivers, pry bars and all other metal tools that can cause damage and marring of delicate surfaces.
1) Pry Tool 2) Level Align Tool 3) Scraper 4) Shim



PSS072414

Orange Wedges are made of a softer Polyethylene Material 5230, very slick and smooth surface for a gentle prying applications.

Black Wedges are made of a very High Impact Ductile Polycarbonate Material. Designed for tough prying applications.



SHOP SUPPLIES

PNEUMATIC ACCESSORIES

SAFETY COUPLERS

Allows 360° rotation of pneumatic tools.

1/4" BODY SIZE - FEMALE NPT

Put safety first by making dangerous hose whips a thing of the past, all with the push of a button.

Use for air tools, blow guns, or anywhere compressed air is used.

- Vents the air circuit & prevents injury.
- Prevents leakage, saves money on energy usage.
- May be used with existing plugs of the same profile type.
- High impact composite maetrial, will not scratch surfaces.
- One push of a button, rapid & effortless use.
- Connect & disconnect with one hand.
- Superior nitrile o-ring design.
- Anti-static & lightweight.

Part No. 100697
Industrial Series (BLUE button)
Same style as Milton 715
Replaces our Part No.'s 100715 & 108606

Part No. 100699
ARO 210 Series (YELLOW button)
Same style as Milton 775
Replaces our Part No.'s 100775 & 108615

Part No. 100698
Tru-Flate Style (RED button)
Same style as Milton 785
Replaces our Part No.'s 100785 & 100600



Just one push of the button first releases air line pressure, then releases the fitting.

NON - KINK AIR HOSE

- **Three sizes and two pressure ratings for all air hose applications.**
- **Red rubber cover resists oil, grease, and weathering.**
- **Reinforced for maximum performance under extreme operating conditions.**
- **Applications include pneumatic tools and paint spraying.**
- **Male brass couplings on each end.**

2 Braid
(3/8" & 1/2" Hose)

1 Braid
(1/4" Hose)



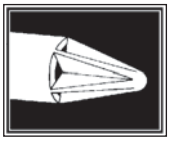
HOSE SIZE	PART NUMBER	BRASS COUPLING	WORKING PRESSURE	LENGTH
1/4" ID x 1/2" OD	**10901**	1/4" m x m NPT	1 Braid-200 lbs.PSI	25 ft.
3/8" ID x 23/32" OD	**10915**	1/4" m x m NPT	2 Braid-250 lbs.PSI	25 ft.
3/8" ID x 7/8" OD	**10916**	1/4" m x m NPT	2 Braid-250 lbs.PSI	50 ft.
1/2" ID x 7/8" OD	**10940**	1/2" m x m NPT	2 Braid-250 lbs.PSI	25 ft.
1/2" ID x 7/8" OD	**10941**	1/2" m x m NPT	2 Braid-250 lbs.PSI	50 ft.

THE STAR TIP BLOW GUN

A variable-flow blow gun featuring a nozzle that complies with OSHA requirements.

"Star-tip" nozzle offers many safety features not found in other blow gun tips:

- **Ultra slim nozzle reduces noise level.**
- **Thinner tip, along with a special bent tube, for hard-to-reach places.**
- **"Star-tip" design allows full air flow through six separate outlets and still complies with OSHA requirements. Reduces noise levels when used with compressed air.**



New "star-tip" nozzle is a powerful, yet quiet, performer.

Part No. 113773



Six outlet tip offers an even distribution of air.

- **Female 1/4 NPT.**
- **Low air consumption, 5 CFM.**
- **Built-in silencer tip ensures low noise level, 79 dBA.**
- **Unique valve design allows a fully variable flow.**
- **Comfortable handling by using latest ergonomic design.**
- **High tensile materials for tough handling.**

AIRCOMB®

Filter & Radiator Cleaner - a New Type of Blow Gun



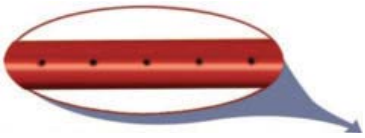


Special multi-port nozzle maximizes air pressure and volume at a 90° angle. Thoroughly cleans air filters, condensers, and radiators from the inside out.

Features & Benefits:

- **Focused high-pressure output**
- **Long reach 90° airflow**
- **Accesses hard-to-reach areas**
- **Great for all air filters, radiators & condensors**
- **Extends filter life**
- **Available in four sizes**

PART NO.	LENGTH (IN.)	COLOR
113767	12	Blue
113768	24	Red
113769	36	Yellow
113770	48	Green



5X's the Air Volume



Industries:

- **Agriculture**
- **Construction**
- **Automotive**
- **Industrial**
- **Stationary Power**
- **and others**

Safe On All Filters - Won't Punch Holes!

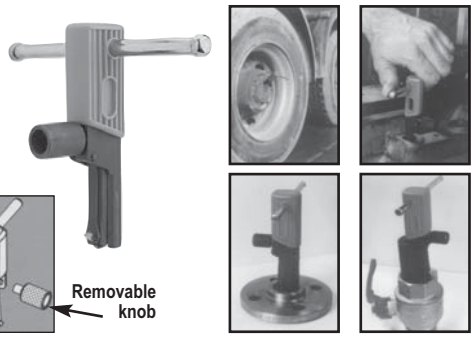
THREAD REPAIR

INTERNAL THREAD RESTORERS

- Quickly adjusts to any thread diameter and pitch within the size range of the tool.
- A major advantage over taps is the ability to enter below the first damaged grooves, often at the bottom of the thread, and work in a outward direction.
- Applicable to all kinds of thread: inch, metric right-hand or left-hand, fine or coarse.
- The blade, made of high speed steel (62RC), is guided by the existing undamaged thread to regroove the damaged section.

Replaces Many Taps

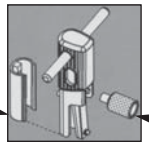
TYPICAL EXAMPLES OF USE:



PART NUMBER	ADJUSTMENT I.D. RANGE INCH	MM	PIPES BSP/NPT
813374	5/16 - 7/16	8mm - 11mm	1/16 - 3/16
813377	7/8 - 1-1/4	22mm - 32mm	1/2 - 7/8



Fastener Internal Thread Repair Kit
Diameter range:
between 5/16"- 13/16" 8 mm - 20 mm
for Automotive and Industrial.
Part No. **813383**



UNIVERSAL THREAD REPAIR - COMBINATION INTERNAL/EXTERNAL

Ideal for maintaining plumbing, construction, agriculture, car repair and many other applications where components have damaged threads. Compare the cost of disassembling the part in order to repair a component, with the instant repair performed by these thread restorers.

Part No. **813390**

PART NUMBER	CONTENTS	HEAVY DUTY SET METRIC	FRACTIONAL
813390	3 pc set	(1) External 4-18mm	5/32"-11/16"
		(2) Internal 8-16mm	5/16"-5/8"

Part No. **813393**

Mini Kit package size: 5-13/16" L, 4-1/16" W, 13/16" H

PART NUMBER	CONTENTS	ECONOMY SET (MINI KIT) METRIC	FRACTIONAL
813393	3 pc set	(1) External 4-13mm	5/32"-1/2"
		(2) Internal 5-12mm	#12-1/2"

***Mini Kit - weight less than 1 lb.**

PSS052212

- Automatically adjust to any thread diameter & pitch.
- No prior measurement of threads.
- Use on left or righ handed threads.
- Use on both inch and metric.



Part No. **813390**



Part No. **813393**

EXTERNAL BOLT RETHREADING TOOL

- Quickly adjusts to any diameter.
- Blades automatically adapt to any thread pitch.
- Will adjust themselves into the thread grooves.
- Can be used on L/H or R/H threads.
- Can be used on metric/standard threads.
- Use in truck & tractor garages
- Industrial maintenance in all industries, energy industries, shipyard, marine and offshore users.

TYPICAL EXAMPLES OF USE:



PART NUMBER	ADJUSTMENT MINIMUM	MAXIMUM
813785	5/32 - 11/16	4mm - 18mm
813758	11/16 - 1-1/2	17mm - 38mm



Replaces Many Dies



813386
shown here

KITS AVAILABLE

2PC External Bolt Rethreading Tool Kit
Diameter range:
between 5/32"- 1-1/2" 4 mm - 38 mm
for Automotive and Industrial.
Part No. **813755**

8PC External Bolt Rethreading Tool Kit
Diameter range:
between 5/32"- 6" 4 mm - 152 mm
for Automotive and Industrial.
Part No. **813386**

SHOP SUPPLIES

WORK LIGHTS, BATTERIES and BULBS

COB LED WORK LIGHTS

Latest technology

PRO SERIES product

Ratcheting Head Feature



44 WATT AC LED WORK LIGHT

- High powered COB LED - A/C powered.
- 4200 Lumen output.
- Remains cool to the touch - will not get hot.
- 3 ft. 18/3 SJTW cable.
- H-base design.
- Foam insulated handle.
- Ratcheting head feature.
- 50,000 hours life span.

PSS121014

4200 LUMENS



Part No. 311252

12 WATT LED RECHARGEABLE LIGHT

- High powered COB LED.
- 1500 Lumen output.
- Remains cool to the touch - will not get hot.
- 2 hours run time (Lithium rechargeable batteries).
- H-base design.
- Foam insulated handle.
- Ratcheting head feature.
- 50,000 hours life span.

PSS121014

1500 LUMENS



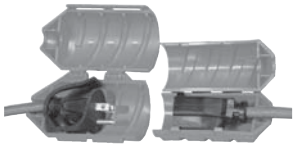
Part No. 311253

CORD CONNECT™

Eliminates disruptive disconnects while professionals work with power tools or extension cords.

- OSHA orange color.
- Twist to open & close.
- Works indoors & outdoors.
- Locks cords together.
- Water-tight gasket included.
- All weather plastic.
- Prevents water from reaching electric connection.

SMP010914



Part No. 312186

— Easy as 1 - 2 - 3 —



TUFF-SKIN SILICONE COATED ROUGH SERVICE BULBS

Safe & long lasting! Non-explosive, non-shattering, silicone coated.

- Not affected by water.
- Excellent for all outdoor use.
- Remains intact - armor-like transparent silicone protects against breakage and does not decrease light intensity.





PART NUMBER	SIZE WATTS	VOLTS	RATED HOURS LIFE	QTY
11995	50	120	2,000	12
11996	75	120	2,000	12
11997	100	120	2,000	12

Long life: Well suited for use indoors or outdoors including: Used car lots, truck terminals, service stations, garages, mines, farms and boat docks.

The "Rough Service Bulbs" have a unique filament design that resists shock and abuse ordinary bulbs can't withstand.

ENERGIZER 357 BUTTON CELL BATTERY

Rest assured your device will remain powered for along time using trusted reliable Energizer button and coin cell batteries.



Actual Size 7/16"

Part No. 812976 (3)
1.5V lithium

Ideal for use in:
- Keyless entry.
- Digital thermometers.
- Car alarms and more...
- Replaces: Ind LR44, AG13, Panasonic SP357, Duracell D357/303, Maxell SR4W.

SHOP SUPPLIES

WELDING, ACCESSORIES and SUPPLIES

SCAVENGER WELDING WIRE



Mild steel wire produces high quality welds due to higher levels of manganese & silicon.

Superior Tensile strength: 95,000 P.S.I.

PART NUMBER	DIAMETER	PER SPOOL
818200	.035	33 lbs.
818201	.045	33 lbs.

Applications: General purpose, steel castings, forging salvage, tanks, sheet metal and construction.

- Outperforms others on dirty, oily or rusty steel.
- High silicon content increases fluidity of weld pool.
- Creates a smoother bead appearance & results in minimal post weld grinding.
- Provides porosity-free, x-ray quality welds.
- Requires a shielding gas: CO2 and / or CO2 mix.

SUPER HIGH STRENGTH MIG WELDING WIRE



Ideally suited for automotive frame work and body "sectioning".

Tensile strength: 80,000 P.S.I.

PART NUMBER	DIAMETER	PER SPOOL
812826	.030	11 lbs.
812827	.035	11 lbs.

- 35% STRONGER than ordinary high strength steel wire (standard H.S. wire yields 58,000 to 60,000 PSI tensile strength.)
- Excellent results on rusted, thinly scaled steels.
- Ideal for deep penetration.
- High tensile strength makes this wire more compatible with today's high strength steels than ordinary MIG welding wires.
- Use 75% ARGON - 25% CO2.

GENERAL PURPOSE MIG WELDING WIRE



Tensile strength: 70,000 P.S.I.

PART NUMBER	DIAMETER	PER SPOOL
812833	.023	11 lbs.
812834	.030	11 lbs.

- Mild steel wire for use on low and medium carbon steel.
- Contains silicone and manganese.
- Excellent for welding over rust and scale.
- Fluid weld puddle and flat beads.
- Minimum build up, less grinding required.
- Use with C02. 75% Argon - 25% C02, or Argon - Oxygen Yields higher strength when Argon is the main shielding gas because less manganese and silicone is burned out.
- AWS Class - ER7OS-6.

ALUMINUM MIG WELDING WIRE

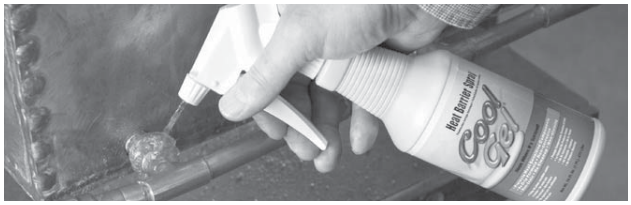


Tensile strength: 35,000 P.S.I.

PART NUMBER	DIAMETER	PER SPOOL
812831	.030	1 lbs.

- Excellent for anodized aluminum and general aluminum repair
- Wire has clean, bright, smooth finish that assures trouble free feeding.
- Produces porosity free welds.
- Uniform bead shape with excellent penetration.
- Superior cracking resistance and maximum strength.
- Use with 100% Argon gas.
- A unique blend of AWS 4043 and AWS 5356.

COOL GEL® HEAT BARRIER SPRAY



Part No. 44409 PSS031111
Trigger sprayer - quart size (32 oz.)

Helps protect surfaces during soldering, brazing and welding.

- Thick gel formula heat barrier spray - stays where it is sprayed!
- Reduces danger of fire to surrounding surfaces.
- Protects adjoining areas made of wood, wallboard, insulation, etc.
- Safe, non-toxic, harmless to skin and odorless.
- Non-corrosive, non-staining, no drips or runs.
- Easy clean up - wipe off excess when the job is done - or - wait 48 hours & it evaporates.

PROUDLY MADE IN THE USA

HEAVY DUTY WELDING GLOVES



- Heat resistant.
- 4-1/2" heavy safety cuff.
- Heavy top quality leather - palm, back, fingers, cuff.
- Fully lined.
- Wing thumb.
- Gunn pattern.
- Seamless back.
- 12-1/2" overall length.

Part No. 312113

AUTO DARKENING WELDING HELMET

Part No. 812673
PSS122012



- Viewing size: 4" x 2-3/8".
- Viewing area switches from dark to light within seconds.
- Mask made of high impact resistant special nylon.
- Light state shade: 4 / dark state shade: 9-13.
- Power supply solar cell & lithium batteries.
- UV/IR protection: DIN 15.
- CE EN 379, ANSI Z87.1, CSA Z94.3.

SHOP USE ITEMS

SCOTCH AUTOMOTIVE REFINISHING MASKING TAPE NO. 233

- Quick & easy, sticks & stays put.
- Conformable, hugs curves & contours.

PART NUMBER	SIZE/ROLL INCHES/YARDS
906330	1/4 x 60
906334	3/4 x 60
906336	1 x 60
906338	1-1/2 x 60
906340	2 x 60

Professional masking tape



3M GREEN MASKING TAPE

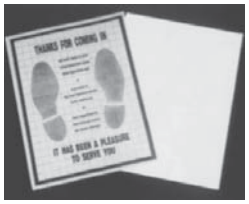
For paint masking applications with temps. up to 250°F.

- Excellent conformability & transfer resistance.
- Clean removal on rubber molding & painted steel even after 30 minutes.
- Resistant to paint bleed-through.
- Temp., UV & solvent resistant.

PART NUMBER	SIZE INCHES/YARDS
902633	3/4 x 60
902638	1-1/2 x 60
902634	2 x 60



PAPER FLOOR-MATE® PLASTIC COATED



- The best of both worlds highly absorbent paper and won't soak through.
- 17" x 22" individual mats.
- 500 per case.

Part No. **214022**

SEAT-MATE® SEAT PROTECTION



- Made of Olefin Tufflene®.
- Scientifically formulated to provide maximum protection & strength.
- Clear - 1-1/2 mil. thick.
- 200 per roll.
- Size each: 32" x 54".

Part No. **214019**

SLIP-N-GRIP DISPOSABLE PLASTIC SEAT COVER



For bench/bucket seats

- Strong 2 ply polyethelyne protects automobile interior & exterior surfaces against hazardous substances.
- Protection from paint, grease & most chemicals found in body shops and service bays, ensures customer satisfaction.
- Use once & throw away.

Part No. **812100** Size: 33" x 56" / 125 per case

3M AUTOMOTIVE REFINISH YELLOW MASKING TAPE

A yellow crepe tape designed specifically for the critical paint masking processes used in the collision repair industry.

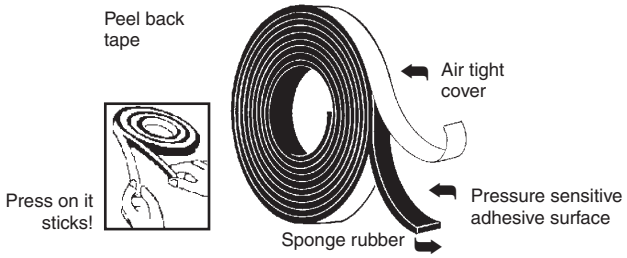
PART NUMBER	SIZE INCHES/YARDS
906652	3/4 x 60
906654	1-1/2 x 60
906656	2 x 60



- Designed for masking before painting...it bends and stretches to follow curved body lines with no edge lifting.
- Specially-treated paper backing offers solvent & moisture resistance that minimizes bleed through.
- Proprietary rubber-based adhesion to all vehicle surfaces.
- This tape sticks, stays and removes cleanly.

KWIK-SEAL SPONGE RUBBER WEATHERSTRIP

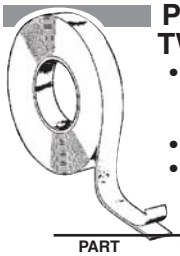
Self-adhesive • Easy to use • Strong, durable bond
Has a "memory" for tight, positive sealing,



A self-adhesive sponge rubber weatherstrip that is easy-to-apply for automotive and industrial applications. Use on boats, refrigerators, doors and windows-almost anywhere that a permanent, waterproof flexible seal is needed. Available in convenient 50 foot rolls.

PART NUMBER	THICKNESS INCHES	WIDTH INCHES	PART NUMBER	THICKNESS INCHES	WIDTH INCHES
717301	5/16	3/8	717304	7/16	3/8
717302	5/16	1/2	717305	7/16	1/2
717303	5/16	3/4	717306	7/16	3/4

PRESSURE SENSITIVE, TWO SIDED FOAM TAPE



- Closed cell polyethylene carrier is resistant to freeze/cracking & condensation; essentially a flexible solid.
- Rubber based adhesive bonds immediately.
- Bonds to paper, aluminum, steel, glass, ceramic, rubber, cloth, ridged vinyl, painted surfaces, etc.

PART NUMBER	WIDTH INCH	WIDTH (MM)	THICKNESS INCH	THICKNESS (MM)	LENGTH PER ROLL FEET	LENGTH PER ROLL (MM)
812997	1/2	(12.70)	1/32	(0.79)	216	(65,836.8)
812998	3/4	(19.00)	1/32	(0.79)	216	(65,836.8)
812999	1	(25.40)	1/32	(0.79)	216	(65,836.8)

SHOP SUPPLIES

SHOP CLEANING SUPPLIES

TIRE CLEANING BRUSH

- Brass wire - will never rust
- High impact handle & head.
- Lightweight with large 2-3/4" x 2-1/8" brush.



Part No. **812407**

TACK CLOTH - (SUPER TACKY)

Traps all dirt, dust & lint.

- Super soft - will not harden.
- Static free.
- Individually sealed packs for guaranteed freshness.
- Leaves no residue.
- Super tacky.
- Will not dry out.
- Contains no waxes or silicones.
- Tan color.
- Size: 16" x 20", folded to 4-1/2" x 4-1/2".



Part No. **717375** (48)

WHITE KNIT T-SHIRT RAGS (RECLAIMED)



"Punch-Out" allows for easy dispensing of rags



Part No. **415102**
25 Lbs.

- 25 lb. box contain s white knit material from t-shirts, polo shirts or similar knit apparel.
- Rags are cut to wiper size with zippers and buttons removed.
- Often preferred for wiping applications that include water, grease, oil or paint.
- Economical solution for general industrial, machine shop and auto applications.
- All purpose soft and durable wiping cloth will absorb both water and oil based fluids.

GRILL, SPOKE, MAG WHEEL & BOTTLE BRUSH

- Soft tampico fibers.
- 12" brush length - 17" overall.



Part No. **812227**

7-1/2" ROUND COMPOUNDING PAD

- 100% 4 ply, virgin wool yarn pile - 1-1/4" height.
- Round edge prevents burning of painted surfaces.
- Recessed arbor hole fits contours of standard plates.
- Installation is easy, fast & secure.
- Can be cleaned or washed for reuse.

OUR OWN BRAND

PART NUMBER	PILE SIZE INCHES	QTY
213100	1	6



PROFESSIONAL WASH MITT

- Heavy duty and long wearing.
- Highly absorbent, non-scratching.
- Double faced, 8" x 11" with cuff.
- 2 per bag.



Part No. **213108**

MICROFIBER CLEANING CLOTHS

- Sheet size: 16" x 16".
- Thousands of polyester/polyamide blend, microscopic fibers pick up and hold dust, dirt and grime.
- Hypoallergenic, nonabrasive, lint free, green color cloths eliminate streaking & absorb nearly seven times their own weight in liquid.
- Machine washable.

All-Purpose Cleaning

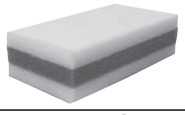


Part No. **415122**
12 cloths per case

DURA SPONGES

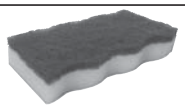
Made from identical material as the Mr. Clean Magic Eraser.

SANDWICH
Part No. **415156-6**
(6 per pkg.)



- Made of both melamine and polyurethane for unparalleled cleaning.

SCRUBBY
Part No. **415157-6**
(6 per pkg.)



- Made with a melamine side and an abrasive coarse side for tough cleaning.

EXTRA POWER COMPRESSED
Part No. **415158-6**
(6 per pkg.)



- Extra strength compressed melamine eraser sponge is made of BASF foam.

PSS110415

- Multi-purpose usage - uses only water to activate.
- Environmentally friendly.
- Removes stubborn stains, scuff marks, permanent marker, ink, tar, graffiti, adhesive labels, grease, dirt & grime and more.
- Safe on most surfaces - floors, walls, grout, tiles, graffiti, baseboards, countertops, restrooms, building exteriors, auto interiors, tires & rims, vinyl surfaces, boats, planes & more.
- Industries - auto, janitorial, marine, factories, hotels, hospitals, nursing facilities, schools, day cares, office buildings, sports facilities, restaurants & more.
- Sponges wear down with repeated use. Replace as needed.

PROTECTIVE CLOTHING

HEAVY DUTY LATEX GLOVES

Gloveworks HD® Powder Free, Textured Latex Gloves

- Heavy duty, powder free industrial grade latex gloves feature a smooth interior for quick, easy donning & a textured surface for a terrific grip.
- At 8 mils, they are twice as strong as standard disposable gloves, yet provide the dexterity you've come to expect in a latex glove.



PSS110812



PART NUMBER	SIZE
415300	Medium
415301	Large
415302	X-Large

100 gloves per box.

IND. GRADE BLACK NITRILE GLOVES

GlovePlus® Powder Free, Textured Nitrile Gloves

- "GET IN THE BLACK" & out of the ordinary nitrile gloves.
- 20% thicker than our standard blue nitrile.
- For auto., janitorial, plumbing, ind. applications, also approved for food handling & prep work.
- Textured & powder free so they won't interfere with fresh paint finishes or tacky adhesives.



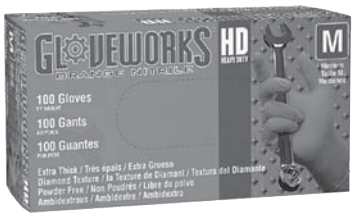
PSS110812

PART NUMBER	SIZE
415179	Medium
415180	Large
415181	X-Large
415182	XX-Large

100 gloves per box.

INDUSTRIAL ORANGE NITRILE GLOVES

Gloveworks® Powder Free, Textured Nitrile Gloves



- Superior comfort, strength & tactile sensitivity.
- Excellent grip wet or dry.
- Design on both sides of the gloves, fingers and palms.

PSS110812





PART NUMBER	SIZE
415171	Medium
415172	Large
415173	X-Large
415174	XX-Large

100 gloves per box.

GENERAL PURPOSE DUST MASK

- Protects against non-toxic dusts & mists.
- Lightweight.
- Clear vision.
- Easy breathing & speaking.
- Maintenance free.



Part No. 113228 (50)

NOTE: Tested to U.S. Government NIOSH specifications (Code of Federal Register, Title 30, Part II Par. 11. 140-4 and 11.140-5). Although this mask has been tested according to NIOSH standards, ***it is not a NIOSH approved mask*** & may be used only for protection against non-toxic and nuisance dusts. **WARNING:** Not suitable for use against toxic or hazardous air contaminants, such as, but not limited to, paint spray mists, asbestos, silica, cotton or other toxic dusts, fumes, gasses and vapors. It is the responsibility of the user to determine the suitability of this mask for his/her application. If there is any doubt as to the applicability of the Dust Mask, Part No. 113228 please consult an industrial hygienist.

SHOP SUPPLIES

BIONIC™ SHIELD



The Bionic™ Shield...is a revolutionary face shield.
Designed for rugged jobs, it's tough where it has to be, yet extremely lightweight and balanced for all-day comfort.

- Extended top-of-head coverage.
- Superior optics and full face visor designed to maximize visibility and protection.
- Quick, easy and economical visor replacement.
- Built-in chin protection deflects flying particles and debris.
- Flips down for hands free availability.
- Lightweight, ergonomically designed for long term wear.
- Can be comfortably worn with most goggles and respirators.



Meets ANSI Z87.1-2003 (High Impact) and CAS Z94.3 standards.

Part No. 812661
Replacement Shade Clear (sold separately)

Part No. 812669
Replacement Welding Shade - Shade 5.0 (sold separately)
Infra-dura® Welding shade for cutting operations

Part No. 812668
Clear Lens (included)
Ideal for most indoor work applications



Highly adjustable headgear tilts visor nearer or farther from face depending on preference and application.



Easy-to-set, ratcheting headgear locking mechanism assures comfortable, secure fit.



Shell offers built-in chin protection and extended top-of-head coverage.



Comfortable cell foam on back of headgear.

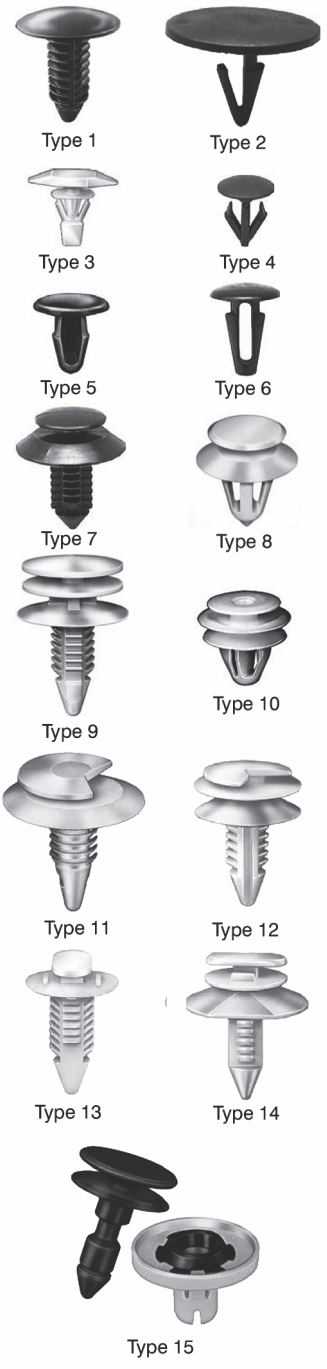
RETAINER SPECIFICATION CHART

Recommended Hole Size: .030”-.060” smaller than stem diameter

PART NUMBER	TYPE	COLOR	BOTTOM HEAD DIAMETER	TOP HEAD DIAMETER	STEM DIAMETER	STEM LENGTH	PAGE NUMBER
52616	12	White	3/4”	11/16”	5/16”	1/2”	J10-73
716301	14	Yellow	3/4” x 7/8”	9/32” x 19/32”	5/16”	3/4”	J10-74
716303	1	Black	3/8”		9/32”	1/2”	J10-73
716304	1	Black	7/16”		7/32”	1/2”	J10-86
716305	1	Gray	25mm		8mm	20mm	J10-86
716305	1	Gray	25mm		8mm	20mm	J10-86
716306	1	Black	25mm		8mm	20mm	J10-86
716306	1	Black	25mm		8mm	20mm	J10-86
716308	11	White	19mm	15mm	9mm	18mm	J10-86
716309	1	Black	22mm		11mm	28mm	J10-87
716309	1	Black	22mm		11mm	28mm	J10-87
716312	1	Black	26mm		8mm	38mm	J10-87
716313	1	Black	3/4”		7/32”	11/16”	J10-87
716313	1	Black	3/4”		7/32”	11/16”	J10-87
716314	2	Black	1-5/16”		3/8”	3/4”	J10-87
716315	11	White	3/4”	5/8”	5/16”	1”	J10-87
716316	1	Black	7/16”		3/16”	5/8”	J10-87
716317	11	White	15/16”	29/32”	5/16”	1-1/8”	J10-79
716319	1	Black	11/16”		5/16”	5/8”	J10-87
716319	1	Black	11/16”		5/16”	5/8”	J10-87
716319	1	Black	11/16”		5/16”	5/8”	J10-87
716319	1	Black	11/16”		5/16”	5/8”	J10-87
716321	1	Black	1”		9/32”	1-1/16”	J10-87
716322	1	Black	19/32”		7/32”	3/4”	J10-87
716323	1	Black	7/8”		7/16”	13/16”	J10-87
716323	1	Black	7/8”		7/16”	13/16”	J10-87
716325	2	Black	1-3/4”		3/8”	3/4”	J10-87
716326	Misc.	Black	38mm		7mm	9mm	J10-87
716326	Misc.	Black	38mm		7mm	9mm	J10-87
716328	3	White	7mm x 16mm		6mm	10mm	J10-103
716329	6	Black	13mm		7.5mm	11mm	J10-79
716329	6	Black	13mm		7.5mm	11mm	J10-79
716329	6	Black	13mm		7.5mm	11mm	J10-79
716330	4	Black	14mm		10mm	16mm	J10-79
716331	1	Black	20mm		5.5mm	9mm	J10-87
716331	1	Black	20mm		5.5mm	9mm	J10-87
716333	1	Black	3/4”		9/32”	1/2”	J10-87
716333	1	Black	3/4”		9/32”	1/2”	J10-87
716333	1	Black	3/4”		9/32”	1/2”	J10-87
716335	1	Black	1-1/4”		5/16”	1-3/16”	J10-87
716336	12	White	3/4”	21/32”	5/16”	3/4”	J10-87
716337	7	White	3/4”	1/2”	5/16”	5/8”	J10-88
716337	7	White	3/4”	1/2”	5/16”	5/8”	J10-88
716338	12	White	23/32”	5/16”		5/8”	J10-88
716339	1	Black	1/2”		9/32”	3/4”	J10-88
716342	11	White	15/16”	29/32”	5/16”	11/16”	J10-88
716343	10	Black	18mm	13mm	9.5mm	14mm	J10-102
716343	10	Black	18mm	13mm	9.5mm	14mm	J10-102
716344	9	White	20mm	18mm	8mm	13mm	J10-88
716349	1	Black	1”		5/16”	13/16”	J10-88
716349	1	Black	1”		5/16”	13/16”	J10-88
716350	1	Black	1”		5/16”	13/16”	J10-88
716350	1	Black	1”		5/16”	13/16”	J10-88
716351	1	Black	3/4”		5/16”	1-3/8”	J10-88
716352	1	Natural	19/32”		5/16”	2”	J10-88
716357	11	White	19mm	15mm	9mm	18mm	J10-88
716357	11	White	19mm	15mm	9mm	18mm	J10-88

*** NOTE: Items listed with a page number of “nic” do not appear in the catalog.**

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MISC - Illustration not shown here

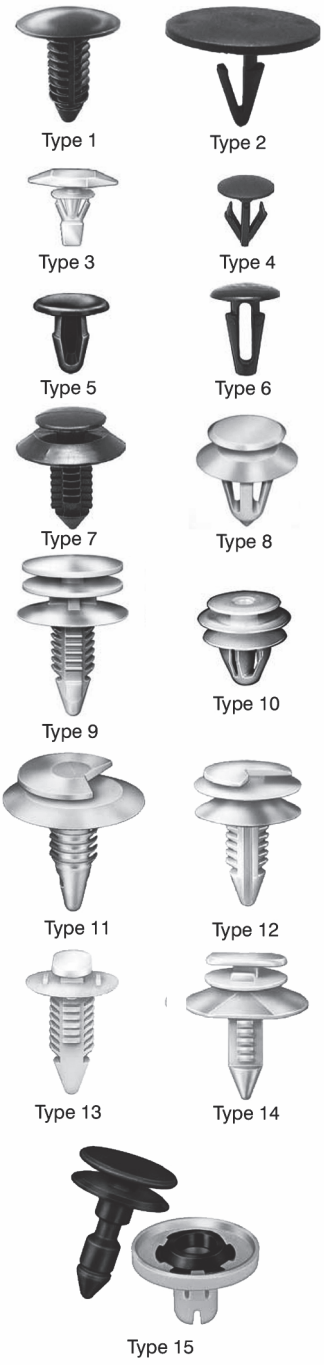
RETAINER SPECIFICATION CHART

Recommended Hole Size: .030"-.060" smaller than stem diameter

PART NUMBER	TYPE	COLOR	BOTTOM HEAD DIAMETER	TOP HEAD DIAMETER	STEM DIAMETER	STEM LENGTH	PAGE NUMBER
716424	1	Black	10mm		6mm	12mm	J10-103
716424	1	Black	10mm		6mm	12mm	J10-103
716672	1	Black	12mm		5mm	12mm	J10-88
716679	10	Blue/Natural	18mm	13mm	9.5mm	14mm	J10-79
716680	10	Natual/Yellow	16mm	12.5mm	8.5mm	11mm	J10-79
716681	11	White	17mm	15mm	10mm	14mm	J10-88
717130	1	Black	11/16"		5/16"	13/16"	J10-88
717130	1	Black	11/16"		5/16"	13/16"	J10-88
717130	1	Black	11/16"		5/16"	13/16"	J10-88
717131	2	Black	1/2" x 1-1/2"		9/32"	5/8"	J10-88
717131	2	Black	1/2" x 1-1/2"		9/32"	5/8"	J10-88
717134	1	White	11/16"		5/16"	13/16"	J10-88
717134	1	White	11/16"		5/16"	13/16"	J10-88
717134	1	White	11/16"		5/16"	13/16"	J10-88
717163	12	White	7/8"	29/32"	5/16"	3/4"	J10-89
717211	3	Natural	3/16" x 1/2"		3/16"	5/8"	J10-79
717212	3	Black	3/16" x 1/2"		3/16"	7/16"	J10-103
717212	3	Black	3/16" x 1/2"		3/16"	7/16"	J10-103
717214	10	White	3/4"	1/2"	11/32"	9/16"	J10-79
717319	2	Black	1-3/16"		3/8"	3/4"	J10-89
717320	1	Black	2"		5/16"	3/4"	J10-89
717610	4	Black	20mm		11mm	16mm	J10-79
717616	10	White	18mm	13mm	9.5mm	14mm	J10-102
717616	10	White	18mm	13mm	9.5mm	14mm	J10-102
717616	10	White	18mm	13mm	9.5mm	14mm	J10-102
717620	6	Black	13mm		7mm	15mm	J10-79
717620	6	Black	13mm		7mm	15mm	J10-79
718100	1	Natural	1/2"		9/32"	11/16"	J10-74
718226	1	Black	25mm		7.5mm	20mm	J10-89
718230	11	White	15/16"	29/32"	5/16"	11/16"	J10-89
718230	11	White	15/16"	29/32"	5/16"	11/16"	J10-89
718230	11	White	15/16"	29/32"	5/16"	11/16"	J10-89
718230	11	White	15/16"	29/32"	5/16"	11/16"	J10-89
718415	9	White	3/4"	33/64"	5/16"	13/16"	J10-89
718422	7	Black	25/32"	1/2"	5/16"	5/8"	J10-89
718430	11	White	15/16"	29/32"	5/16"	15/16"	J10-89
718615	1	Black	1-21/32"		5/16"	3/4"	J10-89
718616	1	Black	1-3/8"		5/16"	15/16"	J10-89
718618	1	Black	1"		7/16"	13/16"	J10-89
718627	1	Black	1"		9/32"	1-7/16"	J10-89
718654	1	Black	25/32"		5/16"	15/16"	J10-74
718657	14	White	3/4" x 7/8"	9/32" x 19/32"	5/16"	3/4"	J10-89
720059	1	Black	1"		5/16"	13/16"	J10-89
720059	1	Black	1"		5/16"	13/16"	J10-89
720371	1	Black	3/4"		5/16"	1-1/16"	J10-74
720375	1	Black	3/8"		7/32"	5/8"	J10-103
720376	1	Black	23/64"		3/16"	7/16"	J10-74
720377	1	Black	3/4"		11/32"	7/8"	J10-89
720377	1	Black	3/4"		11/32"	7/8"	J10-89
720378	1	Black	3/4"		7/32"	11/16"	J10-74
720379	1	Black	7/16"		7/32"	5/16"	J10-103
720380	1	Black	5/8"		3/8"	3/4"	J10-90
720380	1	Black	5/8"		3/8"	3/4"	J10-90
720381	1	Black	5/8"		1/4"	3/4"	J10-74
720382	1	Black	3/8"		7/32"	3/8"	J10-103
720383	1	Black	1"		1/4"	25/32"	J10-90
720384	1	Black	1"		19/64"	1-1/16"	J10-90

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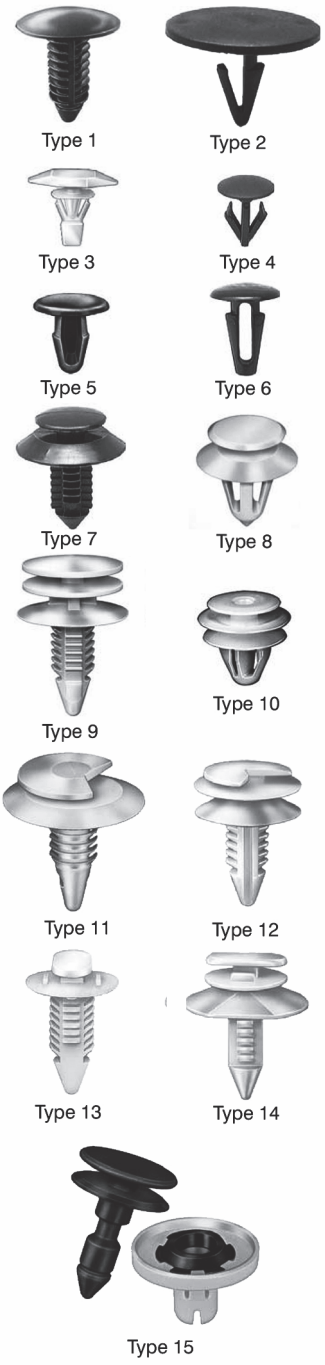
RETAINER SPECIFICATION CHART

Recommended Hole Size: .030”-.060” smaller than stem diameter

PART NUMBER	TYPE	COLOR	BOTTOM HEAD DIAMETER	TOP HEAD DIAMETER	STEM DIAMETER	STEM LENGTH	PAGE NUMBER
720499	.3	Natural	.9/32” x 1/2”		.7/32”	.21/32”	J10-103
720508	.1	Black	.16mm		.5mm	.13mm	J10-90
720539	.6	Black	.13mm		.6mm	.10mm	J10-73
720580	.3	Natural	.5mm x 15mm		.5mm Hole	.9mm	J10-80
720632	.4	Black	.25mm		.9mm	.10mm	J10-90
720632	.4	Black	.25mm		.9mm	.10mm	J10-90
720632	.4	Black	.25mm		.9mm	.10mm	J10-90
720733	.10	Green	.23/32”	.19/32”	.5/16”	.5/8”	J10-80
720741	.10	Natural	.20mm	.15mm	.9mm	.15mm	J10-80
720762	.4	Black	.12mm		.8.5mm	.9mm	J10-80
720762	.4	Black	.12mm		.8.5mm	.9mm	J10-80
720765	.3	Orange	.5mm x 15mm		.6mm	.10mm	J10-103
720765	.3	Orange	.5mm x 15mm		.6mm	.10mm	J10-103
720766	.3	Natural	.5mm x 15mm		.6mm	.10mm	J10-102
720776	.10	Yellow	.18mm	.13mm	.9.5mm	.17mm	J10-73
720776	.10	Yellow	.18mm	.13mm	.9.5mm	.17mm	J10-73
720807	.9	Maroon	.18mm	.13mm	.9.5mm	.14mm	J10-85
720807	.9	Maroon	.18mm	.13mm	.9.5mm	.14mm	J10-85
720807	.9	Maroon	.18mm	.13mm	.9.5mm	.14mm	J10-85
720907	.2	Black	.30mm		.8mm	.12mm	J10-90
720922	.1	Black	.7/16”		.7/32”	.11/16”	J10-90
720923	.1	Black	.3/4”		.11/32”	.13/16”	J10-90
720924	.1	Gray	.11/16”		.5/16”	.13/16”	J10-90
720924	.1	Gray	.11/16”		.5/16”	.13/16”	J10-90
720924	.1	Gray	.11/16”		.5/16”	.13/16”	J10-90
720925	.1	Black	.23/32”		.15/64” x 9/32”	.3/4”	J10-90
720927	.1	Black	.5/8”		.1/4”	.3/4”	J10-90
720933	.Misc.	White	.22mm	.16mm	.9mm	.15mm	J10-85
720934	.3	Natural	.5mm x 15mm		.5mm	.8mm	J10-103
720961	.Misc.	White	.18mm	.13mm	.8mm	.18mm	J10-86
720963	.1	Black	.13/32”		.5/16”	.1-5/16”	J10-90
720965	.3	White	.5mm x 15mm		.6mm Hole	.10mm	J10-103
720966	.10	White	.17mm	.13mm	.9.5mm	.13mm	J10-102
720967	.3	White	.6mm x 16mm			.15mm	J10-80
720967	.3	White	.6mm x 16mm			.15mm	J10-80
721007	.1	Black	.3/4”		.7/32”	.11/16”	J10-90
721016	.4	Black	.11mm		.7mm	.8mm	J10-80
721036	.10	White	.18mm	.15mm	.8.5mm	.14mm	J10-80
723024	.1	Black	.25mm		.13mm	.15mm	J10-90
723024	.1	Black	.25mm		.13mm	.15mm	J10-90
723056	.1	Black	.22mm		.7.5mm	.35mm	J10-95
723104	.1	Black	.16mm		.8mm	.16mm	J10-90
723196	.1	Black	.15/16”		.3/8”	.3/4”	J10-91
723205	.10	White	.15mm	.13mm	.9mm	.9.5mm	J10-80
723205	.10	White	.15mm	.13mm	.9mm	.9.5mm	J10-80
723212	.10	Gray/White	.20mm	.15mm	.9mm	.18mm	J10-80
723212	.10	Gray/White	.20mm	.15mm	.9mm	.18mm	J10-80
723213	.10	Yellow/White	.20mm	.15mm	.9mm	.14mm	J10-73
723231	.10	Gray/White	.20mm	.15mm	.9mm	.18mm	J10-80
723231	.10	Gray/White	.20mm	.15mm	.9mm	.18mm	J10-80
723250	.10	White	.18mm	.13mm	.8.5mm x 8.5mm	.15mm	J10-86
723285	.1	Black	.21mm		.7.5mm	.25mm	J10-91
723336	.10	White	.22mm	.16mm	.9mm	.15mm	J10-81
723346	.1	Blue	.1”		.5/16”	.1-1/2”	J10-74
723349	.1	Black	.18mm		.7.5mm	.33mm	J10-91
724005	.10	Yellow	.18mm	.15mm	.10mm	.15mm	J10-81
724019	.10	White	.16mm	.13mm	.9mm	.15mm	J10-86

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MISC - Illustration not shown here

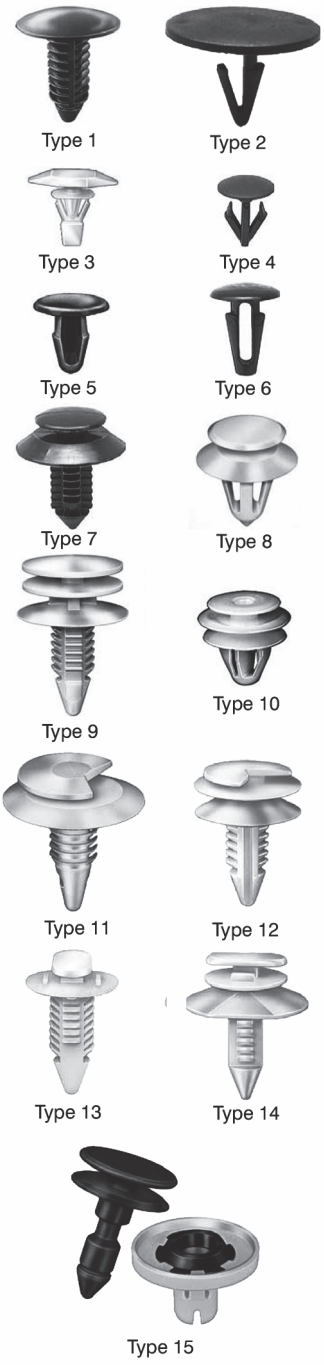
RETAINER SPECIFICATION CHART

Recommended Hole Size: .030"-.060" smaller than stem diameter

PART NUMBER	TYPE	COLOR	BOTTOM HEAD DIAMETER	TOP HEAD DIAMETER	STEM DIAMETER	STEM LENGTH	PAGE NUMBER
724028	1	Black	15mm		4.5mm	14mm	J10-91
724053	10	Turquoise	18mm	13mm	8.5mm x 9mm	14mm	J10-102
724079	4	Yellow	10mm		9mm	14.5mm	J10-103
724111	8	White	16mm	13mm	8mm	13mm	J10-86
724134	1	Black	19mm		7.5mm	16mm	J10-91
724134	1	Black	19mm		7.5mm	16mm	J10-91
724134	1	Black	19mm		7.5mm	16mm	J10-91
724153	9	White	25/32"	11/16"	5/16"	13/16"	J10-91
724171	3	Blue	5mm x 14mm		6.5mm	10mm	J10-104
724237	1	Black	1"		11/32"	3/4"	J10-91
724240	6	Black	30mm		8mm	17mm	J10-81
724260	Misc.	Black	30mm		15mm x 18mm	10mm	J10-91
724260	Misc.	Black	30mm		15mm x 18mm	10mm	J10-91
724261	6	Black	13mm		7.5mm	15mm	J10-81
724514	8	Black	25mm	13mm	10.5mm	14mm	J10-86
724516	8	White	18mm	14mm	12mm	14mm	J10-86
724532	Misc.	Black	9/16"		19/64"	13/32"	J10-91
724553	1	Black	20mm		8.5mm	20mm	J10-91
724606	3	White	1/4" x 21/32"		1/4"	15/32"	J10-104
724606	3	White	1/4" x 21/32"		1/4"	15/32"	J10-104
724789	10	Black	18mm	15mm	9mm	13mm	J10-82
724790	1	Black	23mm		8mm	20mm	J10-91
724792	10	Black	16mm	13mm	11mm	14mm	J10-102
724838	1	Black	20mm		7mm	15mm	J10-92
724839	1	Black	31mm		7.6mm	13mm	J10-92
724840	1	Black	20mm		9mm	17mm	J10-92
724841	1	Black	26mm		7.5mm	28mm	J10-92
724842	10	Green	18mm	15mm	12mm	14mm	J10-82
724843	10	White	18mm	13mm	9.5mm	14mm	J10-82
724915	1	Opal Gray	25mm		8mm	58mm	J10-92
724916	10	Blue	18mm	13mm	10mm	14mm	J10-82
724917	1	Black	25.4mm		8mm	27mm	J10-92
724918	8	Green	17mm	15mm	9mm	14mm	J10-82
724919	8	Blue	17mm	13mm	9mm	13mm	J10-82
724921	1	Black	28mm		8mm	17mm	J10-92
724922	1	Black	30mm		7.8mm	15mm	J10-92
724923	7	White	12mm	13mm	8mm	25mm	J10-82
724926	1	Black	25mm		5.8mm	25.5mm	J10-92
724927	8	Gray	17mm	13mm	9mm	14mm	J10-82
724928	10	Green	18mm	14mm	9mm	10mm	J10-82
724929	1	Light Gray	33mm		8mm	41mm	J10-92
724931	1	Tan	45mm		9.5mm	20mm	J10-92
724932	1	Tan	25mm		8.5mm	37mm	J10-92
724933	1	Tan	25mm		7.5mm	22mm	J10-92
724934	1	Tan	33mm		8mm	41mm	J10-92
724935	10	Black	18.5mm	19.5mm	11mm	16mm	J10-83
724936	8	Yellow	17mm	15mm	9mm	14mm	J10-83
724949	7	White	19mm	19mm	7mm	22mm	J10-92
724950	7	White	12mm x 16mm	15mm	5mm	34mm	J10-86
724986	1	Black	10mm		5.5mm	7mm	J10-93
724987	10	Green	18mm	13mm	9.5mm	11mm	J10-83
724988	10	Yellow	18mm	13mm	9.5mm	12mm	J10-83
724989	1	Black	18mm		7mm x 7mm	13mm	J10-93
724990	Misc.	Black	30mm		15mm x 21mm	14mm	J10-93
724991	10	Black	15mm	13mm	9.5mm	11mm	J10-86
724992	10	White	15mm	13mm	9.5mm	11mm	J10-86
724993	1	Black	10mm		6mm	10mm	J10-104

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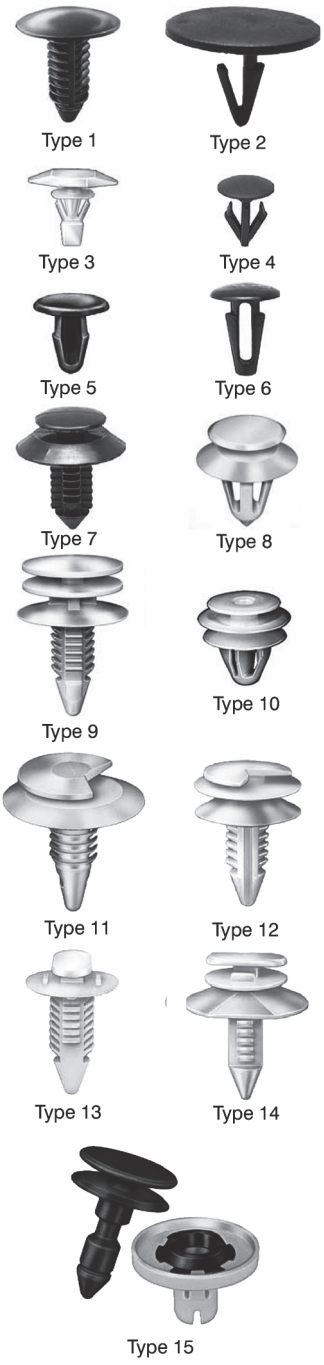
RETAINER SPECIFICATION CHART

Recommended Hole Size: .030"-.060" smaller than stem diameter

PART NUMBER	TYPE	COLOR	BOTTOM HEAD DIAMETER	TOP HEAD DIAMETER	STEM DIAMETER	STEM LENGTH	PAGE NUMBER
724993	1	Black	10mm		6mm	10mm	J10-104
725027	1	Black	5mm x 13mm		8mm	11mm	J10-93
725027	1	Black	5mm x 13mm		8mm	11mm	J10-93
725028	10	White	16mm	13mm	10mm	12mm	J10-83
725029	1	Black	6mm x 16mm		8mm	14mm	J10-93
725029	1	Black	6mm x 16mm		8mm	14mm	J10-93
725040	10	Pink	18mm	15mm	10mm	12mm	J10-102
725040	10	Pink	18mm	15mm	10mm	12mm	J10-102
725064	4	Black	8mm		5.3mm	7mm	J10-83
725064	4	Black	8mm		5.3mm	7mm	J10-83
725065	10	Black	18mm	13mm	9mm	14mm	J10-86
725086	1	Gray	18mm		8mm	16mm	J10-93
725087	1	Tan	18mm		8mm	16mm	J10-93
725167	8	Gray	18.5mm	14mm	12mm	13mm	J10-84
725168	1	Black	20mm		7mm	10mm	J10-93
725169	4	Black	9mm		5.5mm	7mm	J10-84
725286	1	Black	28mm		6mm	10mm	J10-93
725287	10	Yellow	18mm	12.5mm	9.5mm	14mm	J10-84
725288	6	Black	10mm		6mm	8mm	J10-104
725289	10	White	18mm	13mm	9mm	13mm	J10-84
725289	10	White	18mm	13mm	9mm	13mm	J10-84
725290	1	Black	12mm		6mm	15mm	J10-93
725290	1	Black	12mm		6mm	15mm	J10-93
725371	8	Gray	18mm	11mm x 15mm	9.7mm	12mm	J10-85
725393	1	Black	30mm		7.7mm	13mm	J10-94
725394	10	White	15mm	13mm	9.5mm	11mm	J10-84
725395	10	White	18mm	13mm	9.3mm	10mm	J10-84
725396	1	Black	18mm		7.7mm	15mm	J10-94
725397	1	Black	20mm		6mm	22mm	J10-94
725398	10	White	15mm	13mm	9.5mm	14mm	J10-84
725474	6	Black	13mm		7mm	10mm	J10-85
725475	1	Tan	20mm		6mm	15mm	J10-94
725476	10	White	18mm	13mm x 18mm	10.7mm	12mm	J10-85
725477	1	Black	9mm		5.3mm	8mm	J10-94
725477	1	Black	9mm		5.3mm	8mm	J10-94
725478	1	Black	20mm		8mm	8mm	J10-94
725479	Misc.	Black	16.5mm		9mm	13mm	J10-85
725479	Misc.	Black	16.5mm		9mm	13mm	J10-85
725480	1	Gray	20mm		6mm	15mm	J10-94
725481	6	Black	7mm x 13mm		7.5mm	13mm	J10-73
725481	6	Black	7mm x 13mm		7.5mm	13mm	J10-73
725490	Misc.	Black	12mm	9mm	7mm	13mm	J10-73
725493	6	Black	12mm		6.5mm	11mm	J10-104
725561	1	Black	23mm		6.5mm	16mm	J10-94
725561	1	Black	23mm		6.5mm	16mm	J10-94
725562	Misc.	Green & Black	19mm	28mm	9mm	9mm	J10-85
725562	Misc.	Green & Black	19mm	28mm	9mm	9mm	J10-85
725563	Misc.	Tan & White	28.5mm		9.5mm	11mm	J10-103
725564	8	Black	18mm	13.5mm	9mm	14mm	J10-85
725565	11	Natural	18mm	12mm	9.5mm	12mm	J10-94
725565	11	Natural	18mm	12mm	9.5mm	12mm	J10-94
725566	8	Blue	18mm	13mm	9mm	14mm	J10-85
725566	8	Blue	18mm	13mm	9mm	14mm	J10-85
725566	8	Blue	18mm	13mm	9mm	14mm	J10-85
725567	8	White	18mm	12mm	10mm	12mm	J10-85
725567	8	White	18mm	12mm	10mm	12mm	J10-85
725568	Misc.	Black	6mm x 15mm		7.5mm	17mm	J10-104

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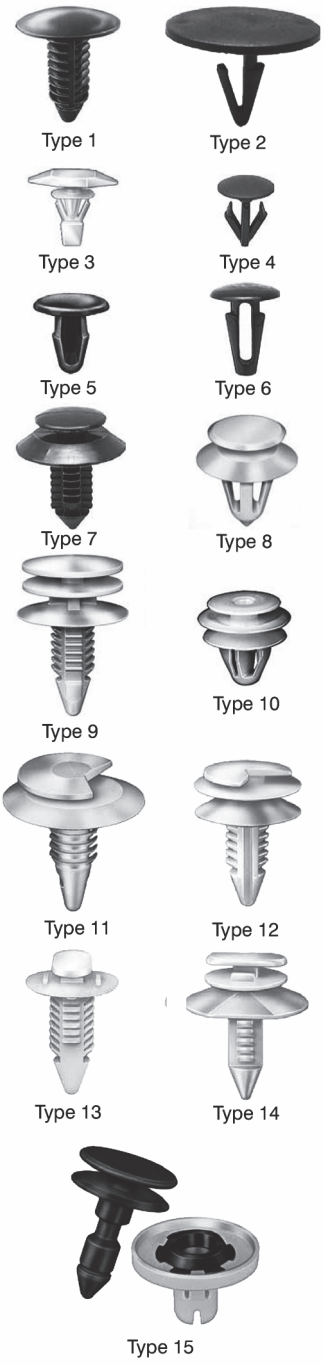
MISC - Illustration not shown here

RETAINER SPECIFICATION CHART

Recommended Hole Size: .030"-.060" smaller than stem diameter

PART NUMBER	TYPE	COLOR	BOTTOM HEAD DIAMETER	TOP HEAD DIAMETER	STEM DIAMETER	STEM LENGTH	PAGE NUMBER
725568	Misc.	Black	6mm x 15mm		7.5mm	17mm	J10-104
725569	Misc.	White	18mm	12mm	10mm	16mm	J10-85
725571	7	White	18mm	12mm	10mm	20mm	J10-95
725571	7	White	18mm	12mm	10mm	20mm	J10-95
725572	8	White	15mm	13mm	9mm	11mm	J10-85
725578	Misc.	Black	18mm	22m	9mm	11mm	J10-103
725578	Misc.	Black	18mm	22m	9mm	11mm	J10-103

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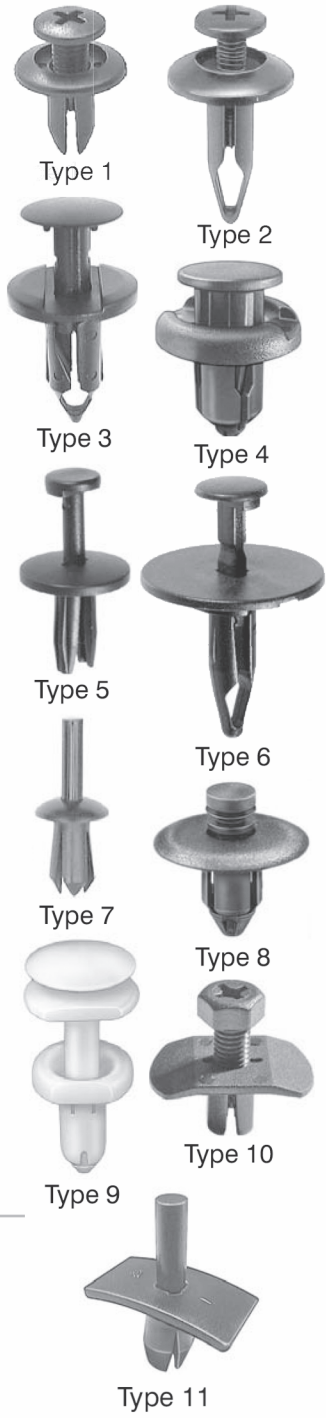
PUSH-TYPE RETAINER SPECIFICATION CHART

Recommended Hole Size: .030"-.060" smaller than stem diameter

PART NUMBER	TYPE	COLOR	HEAD DIAMETER	STEM LENGTH	FITS IN HOLE SIZE	SHOULDER LENGTH	PAGE NUMBER
718423	6	Black	1" (25.4mm)	7/8" (22mm)	1/4" (6.4mm)		J10-75
718423	6	Black	1" (25.4mm)	7/8" (22mm)	1/4" (6.4mm)		J10-75
718427	6	Black	1"	7/8"	5/16"	1/8"	J10-75
718429	1	Black	3/4"	1/2"	1/4"		J10-77
718644	5	Black	1"	3/4"	1/2"	3/4"	J10-95
718646	5	Brown	1"	7/8"	1/2"	1/4"	J10-95
718662	5	Black	1"	23/32"	3/8"		J10-95
718672	1	Black	43/64"	23/64"	5/16"		J10-79
718679	6	Black	11/16"	7/8"	1/4"		J10-75
718710	2	Black	9/16"	5/8"	1/4"		J10-77
718711	1	Black	15mm	11mm	6mm		J10-78
718712	1	Black	18mm	11mm	6mm		J10-78
718713	1	Black	22mm	14mm*	11mm		J10-78
718715	1	Black	20mm	9mm	6mm		J10-78
718716	2	Black	19/32"	29/32"	1/4"		J10-78
718717	2	Black	1"	29/32"	1/4"		J10-78
718718	10	Black	15/32" x 15/32"	21/32"	1/4" x 1/4"		J10-78
718720	1	Black	14mm	11mm	7mm		J10-78
718721	2	Black	19/32"	13/16"	5/16"		J10-78
718722	1	Black	20mm	9mm	8mm		J10-78
718723	2	Black	25/32"	23/32"	5/16"		J10-78
718727	11	Black	8mm x 12mm	8mm	6mm x 6mm		J10-80
718728	7	Black	11/16"	5/8"	1/4"		J10-75
718729	3	Black	17mm	18mm	9.5mm (3/8")	2mm	J10-80
718730	5	Black	11/16"	9/16"	1/4"		J10-95
718732	3	Black	18mm	23mm	7mm		J10-75
718733	3	Black	15mm	23mm	6mm		J10-75
718734	6	Black	1"	15/16"	1/2"	1/8"	J10-75
718737	6	Black	25mm	27mm	7mm		J10-95
718738	7	Black	11/16"	7/16"	9/32"		J10-75
718739	5	Black	21/32"	9/16"	5/16"		J10-75
718740	5	Black	21/32"	19/32"	5/16"		J10-95
718742	11	Black	19/32" x 3/4"	19/32"	5/16"		J10-95
718744	6	Black	1"	1"	1/2"	1/8"	J10-75
718912	7	Black	5/8"	7/16"	1/4"		J10-95
720025	2	Black	11/16"	7/8"	1/4"		J10-95
720333	6	Black	18mm	23mm	9.5mm (3/8")		J10-75
720334	2	Black	27/32"	1"	1/2"	1/8"	J10-80
720386	Misc.	Black	15mm	27mm	9mm		J10-96
720507	1	Black	15mm	13mm	6mm		J10-96
720548	8	Black	18mm	12mm*	9mm		J10-96
720549	4	Black	18mm	15mm*	8mm		J10-96
720550	2	Black	18mm	23mm	9mm		J10-96
720585	6	Black	17/32"	1-5/64"	1/4"		J10-75
720586	3	Black	20mm	21mm	9mm		J10-75
720608	4	Black	23/32"	29/32"	5/16"		J10-76
720609	5	Black	11/16"	5/8"	1/4"		J10-76
720619	4	Black	20mm	13mm	10mm		J10-76
720627	8	Black	17mm	9mm	7mm		J10-76
720629	2	Black	20mm	26mm	9mm		J10-78
720637	4	Black	20mm	9mm*	8mm		J10-76

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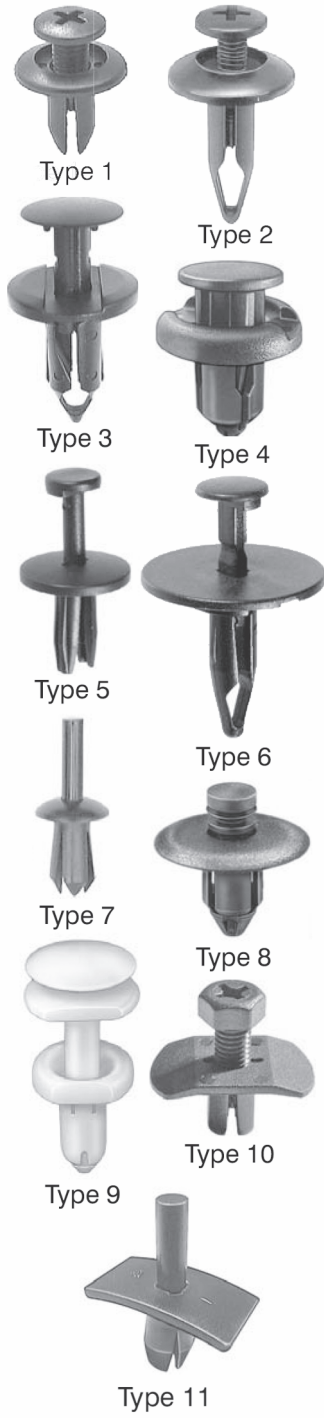
PUSH-TYPE RETAINER SPECIFICATION CHART

Recommended Hole Size: .030"-.060" smaller than stem diameter

PART NUMBER	TYPE	COLOR	HEAD DIAMETER	STEM LENGTH	FITS IN HOLE SIZE	SHOULDER LENGTH	PAGE NUMBER
720669	2	Black	11/16"	11/16"	1/4"		J10-78
720767	4	Black	20mm	10mm	8mm		J10-76
20785	4	Black	20mm	8mm*	7mm		J10-105
720794	2	Black	19mm	26mm	9mm		J10-76
720795	1	Black	15mm	12mm	9mm		J10-76
720796	4	Black	18mm	15mm	10mm		J10-80
723260	6	Black	20mm	17mm	7mm		J10-96
723295	4	Black	18mm	22mm	9mm		J10-96
723308	6	Black	16.5mm	27mm	8mm		J10-77
723309	3	Black	20mm	26mm	8mm		J10-77
723317	1	Black	20mm	8mm*	7mm		J10-77
723368	4	Black	18mm	7.5mm	7mm		J10-74
723374	4	Black	20mm	14mm	10mm		J10-77
723381	2	Black	18mm	20mm	9mm		J10-96
724027	4	Black	20mm	13mm	8mm		J10-105
724109	3	Black	19mm	14mm	8.5mm		J10-105
724116	3	Black	20mm	28mm	8mm		J10-105
724117	1	Black	18mm	12mm	8mm		J10-79
724122	4	Black	19.5mm	15mm	10mm		J10-96
724129	9	White	9/16"	41/64"	1/4"		J10-97
724133	3	Black	20mm	20mm	8mm		J10-77
724138	3	Black	18mm	20mm	6.5mm		J10-105
724139	3	Black	20mm	22mm	8.5mm		J10-105
724140	3	Black	18mm	20mm	9.5mm		J10-105
724203	4	Black	18mm	7mm	7mm		J10-77
724205	3	Black	18mm	17.5mm	6.5mm		J10-105
724206	3	Black	18mm	22mm	6.5mm		J10-105
724207	3	Black	19mm	16mm	8mm		J10-106
724208	3	Black	20mm	20mm	8.5mm		J10-106
724209	3	Black	20mm	24mm	8.5mm		J10-106
724210	3	Black	25mm	20mm	10.5mm		J10-106
724211	3	Black	25mm	23mm	10.5mm		J10-106
724250	8	Black	20mm	8mm*	8mm		J10-77
724251	2	Black	18mm	21mm	8mm		J10-79
724252	2	Black	20mm	27mm	10mm		J10-79
724255	1	Black	20mm	9mm	8mm		J10-79
724262	1	Black	18mm	12mm	6mm		J10-79
724264	4	Black	18mm	14mm	8mm		J10-97
724451	3	Black	18mm	31mm	9mm		J10-77
724509	6	Black	16mm	18mm	7mm		J10-77
724517	5	Black	20mm	10mm	8mm		J10-106
724525	1	Black	18mm	18mm	8mm		J10-105
724540	4	Black	18mm	10mm	6mm		J10-97
724543	8	Gray	22mm	10mm*	9mm		J10-97
724549	4	Black	15mm	17mm	7mm		J10-97
724550	1	Black	20mm	9mm	9mm x 9mm		J10-97
724603	3	Black	15mm	20mm	8mm		J10-97
724604	4	Black	20mm	13mm	10mm		J10-97
724744	7	Black	15mm	15mm	6.3mm		J10-97
724784	Misc.	Black	20mm	23mm	10mm		J10-97
724785	Misc.	Black & White	24mm	20mm	11mm	3mm	J10-98

*** NOTE: Items listed with a page number of "nic" do not appear in the catalog.**

These are general illustrations. There may be some differences between the actual part and the illustration. For clarification, refer to the true illustration referenced in the page number column in the chart.



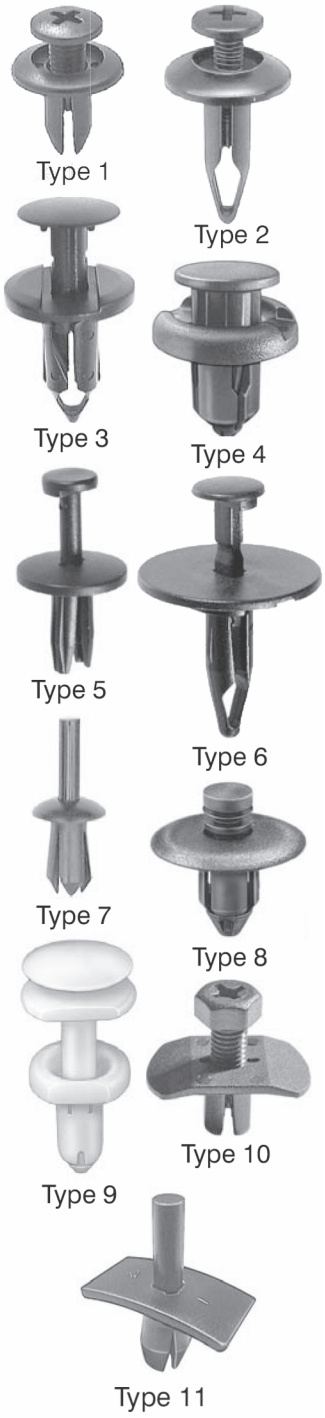
MISC - Illustration not shown here

PUSH-TYPE RETAINER SPECIFICATION CHART

Recommended Hole Size: .030”-.060” smaller than stem diameter

PART NUMBER	TYPE	COLOR	HEAD DIAMETER	STEM LENGTH	FITS IN HOLE SIZE	SHOULDER LENGTH	PAGE NUMBER
724786	8	Gray	22mm	10mm*	9mm		J10-98
724787	9	Black & White	22mm	16mm	9mm		J10-98
724908	6	Black	25mm	29mm	7mm		J10-98
724909	Misc.						J10-98

These are general illustrations. There may be some differences between the actual part and the illustration. For clarification, refer to the true illustration referenced in the page number column in the chart.



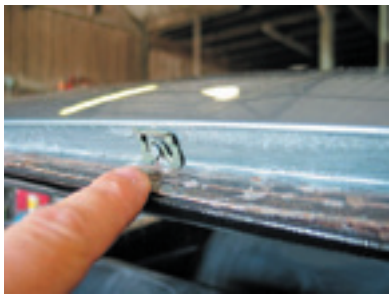
MISC - Illustration not shown here

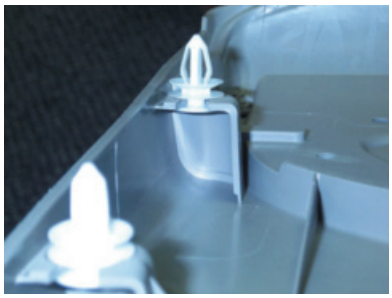
*** NOTE: Items listed with a page number of “nic” do not appear in the catalog.**

J - BODY SHOP











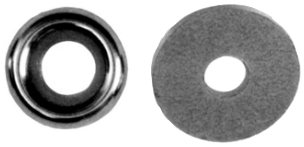


J10 BODY CLIPS & SMALL PARTS

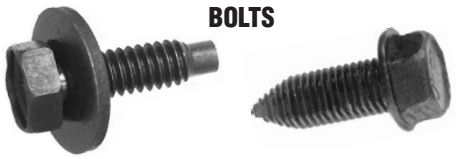
SCREWS



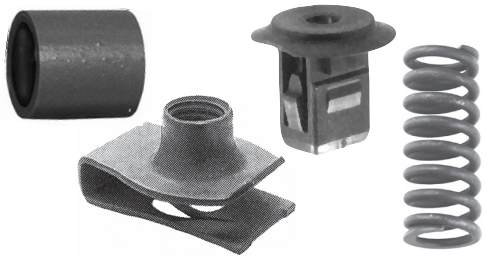
WASHERS



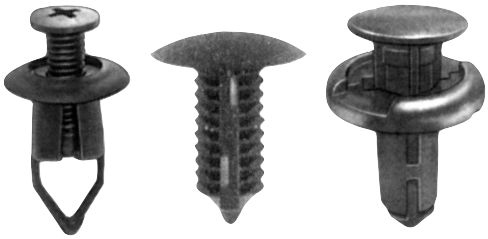
BOLTS



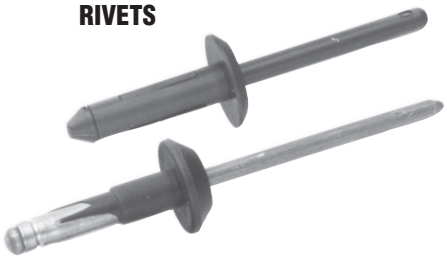
BODY PANEL MOULDING CLIPS & FASTENERS



DOOR and INTERIOR TRIM RETAINERS & CLIPS



RIVETS



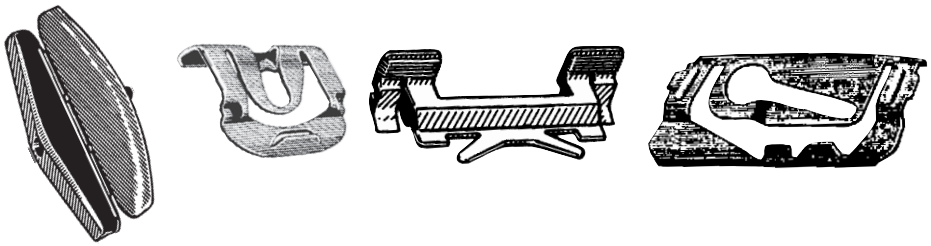
NUTS



THREAD REPAIR



WINDSHIELD and BACKGLASS REVEAL MOULDING CLIPS and FASTENERS



WEATHERSTRIP RETAINERS and CLIPS



AUTOBODY FASTENERS by TYPE

QUICK REFERENCE SUB-INDEX J10 BODY CLIPS AND SMALL PARTS

AUTOBODY FASTENERS

PRODUCTS	PAGES
BOLTS	J10-34-35
CLIPS	J10-36 - 51
DOOR HINGES	J10-52 - 53
GROMMETS	J10-54 - 59
NUTS	J10-60 - 72
RETAINERS	J10-73-104
RIVETS	J10-105-115
RIVET TOOLS	J10-116
SCREWS	J10-117-120
TRIM SCREWS	J10-121-122
WASHERS	J10-123
MISCELLANEOUS	J10-124-126

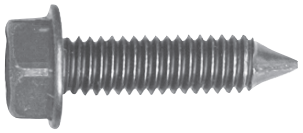
BOLTS

HEX HEAD MACHINE SCREW THREAD with CONE POINT

Used on hood hinge to hoods and fenders, radiator supports, radiator fan shrouds, radiator grilles, headlamps and general usage.

PART NUMBER	THREAD SIZE INCHES	LENGTH INCHES	WASHER O.D. INCHES	QTY
718891	1/4-14	3/4	5/8	25
717250	5/16-18	13/16	5/8	50
717251	5/16-18	1	5/8	50

PART NUMBER	THREAD SIZE INCHES	LENGTH INCHES	WASHER O.D. INCHES	QTY
717252	5/16-18	1-1/4	5/8	50
717254	3/8-16	1	1	50
717255	3/8-16	1-1/2	1-1/8	50



THE FLANGED LOCKING SYSTEM

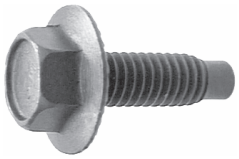
- **Teeth lock on for stringer, more reliable assembly - 30% more torque is required for disassembly.**
- **Hardened teeth permit reuse up to 15 times - saves money.**
- **Dog point allows easy panel alignment.**
- **Flange eliminates separate washers - saves money and cuts assembly time.**
- **Black Phosphate coating.**

USS COARSE BODY BOLTS

PART NUMBER	BOLT SIZE INCHES	WASHER HEX	HEAD O.D.	QTY
50606	1/4 x 5/8	3/8	5/8	50
50609*	5/16 x 3/4	1/2	13/16	50
50610	5/16 x 1	1/2	13/16	50

PART NUMBER	BOLT SIZE INCHES	WASHER HEX	HEAD O.D.	QTY
50612*	5/16 x 1-1/4	1/2	13/16	50
50631	3/8 x 1	9/16	3/4	50

***Denotes dog point**



SAE FINE BODY BOLTS

PART NUMBER	BOLT SIZE INCHES	WASHER HEX	HEAD O.D.	QTY
50614*	5/16 x 1	1/2	13/16	50



HEX FLANGE HEAD BODY BOLTS

- **Black Phosphate finish.**

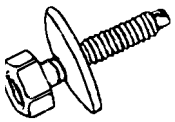
PART NUMBER	REPL. OE NO.	DIA.	LENGTH	WASHER	HEX	QTY
717259	N/A	6mm x 1.0mm	25mm	12mm	10mm	25
717269	11502605	8mm x 1.25mm	25mm	17mm	13mm	25
720143	11504499	8mm x 1.25mm	30mm	16mm	13mm	25
720137	10082036	8mm x 1.25mm	41mm	13mm	10mm	25
720141	11502607	10mm x 1.5mm	30mm	25mm	15mm	12



HEX HEAD BODY BOLTS with LOOSE WASHER

- **Black Phosphate finish.**

PART NUMBER	REPL. OE NO.	DIA.	LENGTH	WASHER	HEX	QTY
720151	11505816	5mm x .80mm	20mm	14mm	8mm	25
720152	20585900	6mm x 1.0mm	16mm	16mm	10mm	25
717459	11504570	6mm x 1.0mm	20mm	17mm	10mm	12
717460	11504303	6mm x 1.0mm	25mm	17mm	10mm	12
724526	25531999	8mm x 1.25mm	26mm	24mm	13mm	12
723246		6mm x 1.0mm	12mm	12.5mm	10mm	25
723249		6mm x 1.0mm	20mm	12.5mm	10mm	25



HEX FLANGE HEAD BODY BOLTS with STARTER POINT

PART NUMBER	REPL. OE NO.	DIA.	LENGTH	FLANGE	HEX	FINISH	QTY
720182*	34201287	6mm x 1.0mm	20mm	12.7mm	10mm	Zinc	25
720140**	10130851	6mm x 1.0mm	20mm	14mm	10mm	Black	25
723276	11503800	6mm x 1.0mm	20mm	13mm	10mm	Black	25
720186	20083312	6mm x 1.0mm	28mm	13mm	10mm	Black	12
717263	11500961	6.3mm x 1.0mm	20mm	13mm	10mm	Black	25
720189†	11503702	6.3mm x 1.0mm	20mm	13mm	10mm	Blue	25
717469†	3071437	6.3mm x 1.0mm	25mm	12mm	10mm	Blue	12
717268	11500969	8mm x 1.25mm	20mm	16mm	13mm	Black	25
717472							



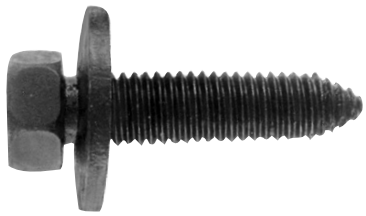
†Blue finish *Zinc finish **2mm Knurl below head

BOLTS

Illustrations are actual size unless otherwise noted.

HEX HEAD BODY BOLTS with LOOSE WASHER & STARTER POINT

- **Black Phosphate finish.**

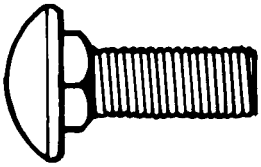


PART NUMBER	REPL. OE NO.	DIA.	LENGTH	WASHER	HEX	QTY
717467	11503823	6mm x 1.0mm	20mm	17mm	10mm	12
720184	11503834	6mm x 1.0mm	25mm	17mm	10mm	25
717468	11504493	6mm x 1.0mm	25mm	24mm	10mm	12
720187	11505044	6mm x 1.0mm	35mm	17mm	10mm	25
720188	11501105	6.3mm x 1.0mm	20mm	17mm	10mm	25
720190†	11503633	6.3mm x 1.0mm	25mm	16mm	10mm	25
717470	11500754	6.3mm x 1.0mm	25mm	18mm	10mm	12
717471	365718	6.3mm x 1.0mm	25mm	23mm	10mm	12
717264	11501184	6.3mm x 1.0mm	40mm	17mm	10mm	25
717473	11501102	8mm x 1.25mm	25mm	24mm	13mm	12
717474	11501188	8mm x 1.25mm	30mm	24mm	13mm	12
720193	11509096	8mm x 1.25mm	35mm	24mm	13mm	25
717272	11501193	10mm x 1.5mm	40mm	30mm	15mm	25

†Blue finish *Zinc finish

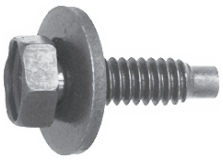
UNIVERSAL BUMPER BOLTS - ROUND HEAD

- **Stainless steel capped.**
- **USS threads.**



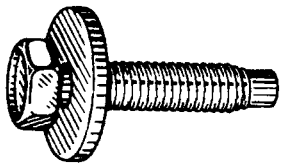
PART NUMBER	BOLT SIZE INCHES	HEAD DIA. INCHES	QTY
702512	3/8-16 x 1	27/32	6
702513	3/8-16 x 1-1/4	27/32	6
702510	7/16-14 x 1-1/4	31/32	6
702511	7/16-14 x 1-1/2	31/32	6
702520	1/2-13 x 1-1/4	1-3/32	6

HEX HEAD BODY BOLTS DOG POINT with WASHER



PART NUMBER	REPL. OE NO.	DIA.	LENGTH	WASHER	HEX	FINISH	QTY
718894	57472-S2	1/4-20	3/4	3/4	7/16	Black	25
50607	57030-S2	1/4-20	7/8	3/4	7/16	Black	50
718897	57032-S36	1/4-20	1-1/8	3/4	7/16	Dichromate	25
718898	---	1/4-20	1-3/16	3/4	7/16	Black	25
718919	57039-S2	5/16-18	15/16	7/8	1/2	Black	25
718920	384930-S36	5/16-18	15/16	7/8	1/2	Dichromate	25
718922	57041-S2	5/16-18	1-3/16	7/8	1/2	Black	25
718926	57048-S2	3/8-16	1-3/16	1	9/16	Black	25

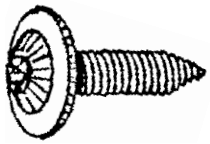
HEX HEAD BODY BOLTS with LOOSE WASHER & DOG POINT



PART NUMBER	REPL. OE NO.	DIA.	LENGTH	WASHER	HEX	FINISH	QTY
720157	6100539	5mm x 0.8mm	20mm	12mm	8mm	Black	25
720158	N606675-S2	6mm x 1.0mm	18mm	19mm	8mm	Black	25
717479	N606676-S36	6mm x 1.0mm	23mm	19mm	8mm	Dichromate	25
720164	N606676-S2	6mm x 1.0mm	23mm	19mm	8mm	Black	25
	6100566						
717463	6100567	6mm x 1.0mm	25mm	19mm	10mm	Black	25
720165	N606677-S	6mm x 1.0mm	28mm	19mm	8mm	Black	12
721076	N606677-S36	6mm x 1.0mm	28mm	19mm	8mm	Dichromate	12
717464	6100568	6mm x 1.0mm	30mm	19mm	10mm	Black	12
720170	11500402	8mm x 1.25mm	25mm	15mm	13mm	Black	25
720171	N606689-S2	8mm x 1.25mm	25mm	22mm	10mm	Black	12
720172	N606690-S2	8mm x 1.25mm	30mm	22mm	10mm	Black	12

TORX WASHER HEAD BODY BOLTS with STARTER POINT

- **GM & General Purpose.**
- **Zinc finish.**



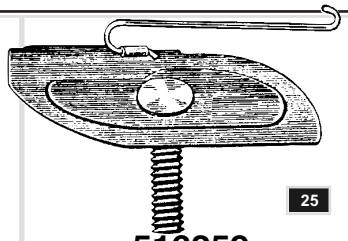
PART NUMBER	DIA.	LENGTH	WASHER HD. DIA.	QTY
717455	6mm x 1.0mm	20mm	18mm	12
718968	6mm x 1.0mm	25mm	18mm	25
718969	6mm x 1.0mm	30mm	18mm	25

CLIPS



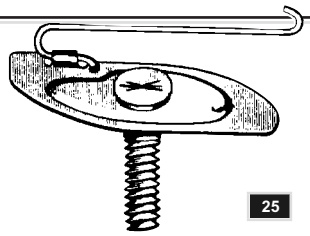
12

725102
Moulding Clip
Top Head: 12.5mm
Middle Head: 15mm
Bottom Head: 15mm
Stem Dia: 10.2mm
OE:DYC101420



25

516259
T-bolt Clips
10-24 X 3/4 Bolt
5/8 X 1-7/8 Plate
Gm & Chrysler
OE: 1758099,6000720, 6010046, 3744999



25

516264
T-bolt Clips
10-24 X 3/4 Bolt
1/2 X 1-7/16 Plate



12

724710
Weatherstrip Clips
Top Head: 5mm X 15mm
Bottom Head: 9.5mm
Stem Dia: 7mm
Stem Length: 11mm
OE:72311-S5S-003



12

724711
Weatherstrip Clips
Head Size: 5mm X 15mm
Bottom Head: 6.5mm
Stem Dia: 8.5mm
White Nylon
OE:91563-SCV-003



12

724712
Weatherstrip Clip
Top Head: 5mm X 15mm
Bottom Head: 7.5mm
Stem Dia: 6.5mm
Stem Length: 7mm
OE:90651-TP8-003, 91568-TR0-003



50

724855
Weatherstrip Clips
Bottom Head Dia: 5 X 15mm
Top Head Dia: 8mm
Stem Dia: 8mm
White Nylon
OE:W711858-S300



12

725143
Weatherstrip Clips
Top Head: 5mm X 14mm
Bottom Head: 8mm
Stem Dia: 6.3mm
Stem Length: 5mm
OE:67867-50020



12

725172
Weatherstrip Clips
Bottom Head Dia: 14mm
Top Head Dia: 6.5mm
Stem Dia: 10mm
Black Nylon
OE:J001-56-741



12

725295
Weatherstrip Clips
Bottom Head Dia: 6 X 16mm
Top Head Dia: 6.5mm
Stem Dia: 12mm
White Nylon
OE:80850-89900



12

725406
Weatherstrip Clips
Bottom Head Dia: 5mm X 14mm
Top Head Dia: 7mm
Stem Dia: 8.5mm
White Nylon
OE:90331-AA050



12

725407
Weatherstrip Clips
Bottom Head Dia: 9mm
Top Head Dia: 6.5mm
Stem Dia: 13mm
Black Nylon
OE:90331-GA090



12

725491
Weatherstrip Clips
Bottom Head Dia: 9mm
Top Head Dia: 5mm X 15mm
Stem Dia: 6.5mm
Stem Length: 4mm
OE:90467-04034



12

725492
Weatherstrip Clips
Head Size: 14mm
Stem Dia: 9mm
Stem Length: 11mm
Hood
OE:90467-08045,90467-08063



12

724880
Grille Clips
Overall Hgt: 14mm (9/16)
White Nylon
OE:5482087



12

725126
Grille Clips
Top Head: 10mm X 10mm
Bottom Head: 15mm
Stem Dia: 10mm
Stem Length: 10mm
OE:90467-10190

CLIPS

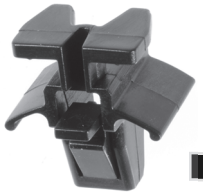
Illustrations are actual size unless otherwise noted.


12

725240
Grille Clips
Overall Length: 24mm
14mm Width
Radiator Grille Cowl
Gray Nylon
OE: MR221507,90467-13075


12

725361
Grille Clips
Overall Hgt: 27mm
Gray Nylon
OE:91017-FA080


12

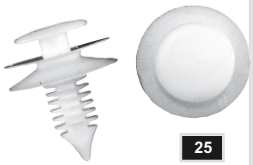
725362
Grille Clips
Top Head: 15.5mm X 11mm
Bottom Head:19.5mm X 14mm
Stem Length: 11mm
Black Nylon
OE:91059-FC090


25

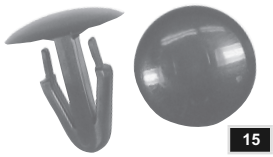
716307
Door Panel Trim Clips
Fits: 8mm Hole
OE:N90282401


25

716311
Trim & Panel Clips
1/2 Pan Head Dia.
Door Panel Up To 1/4
Fits: 1/4 Hole
OE:375373-S


25

716318
Door Panel Retaining Clips
OE:388499-S


15

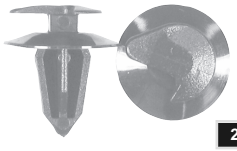
716327
Interior Trim Clips
OE:01553-01251


100

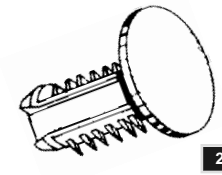
717133
Door & Window Crank Handle Retaining Clips
Zinc & Yellow


25

717216
Door Trim Panel Clips W/ Anti-rattle Wedge
Phosphate
OE:383033-S101


25

718400
Door Trim Panel Clips
OE:385188-S


25

718671
Front Fender Splash Shield Clip
OE:25517947


12

720536
Rr Hood Cwl Weatherstrip Clip
Bottom Head Dia: 8 X 18mm
Top Head Dia: 7mm
Stem Dia: 15mm
Black Nylon
OE:91515-SR3-000


25

720537
Front & Rear Door
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 6mm Hole
Stem Dia: 8mm
Blue Nylon
OE:GA2A-58-762


25

720739
Door Trim Panel Clips
14mm Stem Length
Fits: 7mm Hole
Yellow Nylon
OE:6504452


12

720760
Hood Insulation Retaining Clip
Bottom Head Dia: 10mm
Top Head Dia: 7.5mm
Stem Dia: 10mm
Black Nylon
OE:91520-SM4-C01


5

720786
Fender Apron Seal Clips
Bottom Head Dia: 17mm
Top Head Dia: 7mm
Stem Dia: 12mm
Black Nylon
OE:90467-10107

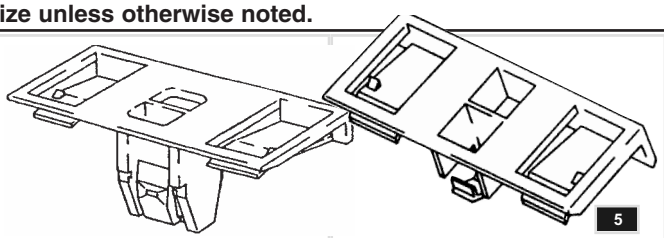
CLIPS

Illustrations are actual size unless otherwise noted.



10

720943
Rocker Panel Moulding Clips
1-1/4 Stem Length
7/8 X 1-9/16 Bot. Head
11/16 X 1-1/2 Top Head
Fits: 7/16 Hole
OE:10431761



5

723017
Rocker Panel Moulding Clips
Fits: 9mm X 14mm Hole
7/8 W X 2" L

Gray Nylon
OE:25648693

723180
Rocker Moulding Clips
7/8 W X 2" L

Pontiac Bonneville
Black Nylon
OE:25691949,25704001



7

723300
Rocker Pnl MIding Clip W/Seal
9/16 Stem Length
Fits: 7/16 Hole
13/16 X 13/16 Bottom Head
9/16 X 13/16 Top Head
OE:11518357



7

723304
Wire Loom Routing Clips
20mm Stem Length
Fits: 6.3mm Hole
10mm Loom ID
13mm Loom OD
OE:12160858



5

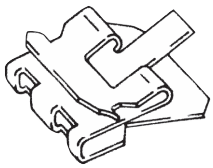
724147
Body Side Moulding Clips
12mm Stem Length
6.5 & 13 X 18mm Head Size
White Nylon

OE:75305-S0A-003



10

724263
Cowl Top Retaining Clips
Bottom Head Dia: 14mm
Top Head Dia: 8mm
Stem Dia: 15mm
Black Nylon
OE:91501-SM4-003



6

724518
Engine Splash Shield Clips
13/16 Width; 1-1/16 Length
Front Bumper Cover To
Air Dam
Zinc Organic
OE:W701295-S301



6

724534
Rocker Panel Moulding Clips
Top Head: 9/16 X 25/32
Bottom Head: 5/8 X 25/32
Fits: 3/8 Hole
Stem Length: 9/16
OE:25742293



6

724536
Rocker Panel Moulding Clips
Top Head: 15/32 X 13/16
Bottom Head: 15/32 X 25/32
Fits: 3/8 Hole
Stem Length: 9/16



6

724538
Wheel Lip Moulding Clips
Head Dia: 15mm X 51mm
Stem Dia: 11mm
Fits: 10mm Hole
Yellow Nylon



6

724539
Fender Moulding Clips
Head Dia: 15 X 51mm
Stem Dia: 11mm
Fits: 8mm Hole
White Nylon
OE:F57B-16241-AA



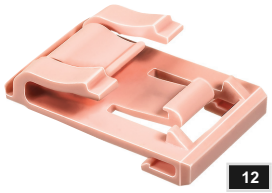
12

724700
CABLE CLIPS
Fits: 7mm Hole
Overall Hgt: 17mm Closed
Max Cable Dia. 5mm
Black Nylon
OE:91558-SE3-003



10

724821
Fuel Line Retainer Clips
Head Size: 3/8 X 5/8
Overall Hgt: 21/32
For 5/16 Fuel Line Hose
White Nylon
OE:4F1Z-9A317-AA



12

724970
Belt Moulding Clips
20mm Width
Overall Length: 29mm

Pink Nylon
OE:91503-T2A-A01



12

724971
Hood / Cowl Clips
Top Head: 12mm
Bottom Head: 16mm
Stem Dia: 4mm
Stem Length: 6.5mm
OE:90602-S2A-003

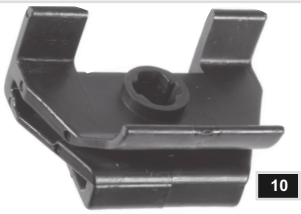
CLIPS

Illustrations are actual size unless otherwise noted.



12

725060
Clip, Cowl & Grill Retainer
Head Size: 11mm
Stem Dia: 4.5mm
Stem Length: 15mm
Cowl Grille Retainer
OE:66820-61U00



10

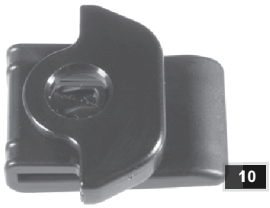
725121
Bumper Cover Clips
35mm Width
Overall Length: 25mm

Black Nylon
OE:53879-50020



12

725125
Fender Panel Moulding Clips
Head Size: 4.5mm X 11mm
Stem Dia: 6.5mm
Stem Length: 9mm
Black Nylon
OE:90467-07137



10

725265
Clips
30mm Width @ Wings
20mm Width
Overall Length: 30mm
Fender Apron
OE:63848-9Y000



10

725266
Flange Clips
Flange: 20mm
Overall Hgt: 12.5mm
10.5mm Hex
Wheel Liner Cowl
OE:01553-05131



12

725269
Hood Seal Clips
Bottom Head Dia: 6.4 X 16mm
Top Head Dia: 3.5mm X 6mm
Stem Dia: 10mm
Black Nylon
OE:65810-K2000



12

725351
Metal Moulding Clips
Overall Hgt: 22mm
Black Spring Steel

OE:4A0-867-276



12

725365
Rocker Panel Moulding Clips
Bottom Head Dia: 17mm
Top Head Dia: 11mm X 14mm
Stem Dia: 9.7mm
Stem Length: 12mm
OE:90913-0109



10

725489
Spring Locking Clips
16mm Width
Locking Fastener
Front & Rear Spoiler
Dacromet
OE:76879-44010



6

724537
Whl Flare Mlding Clip W/Sealer
Top Head: 14mm X 29mm
Bottom Head: 14mm X 29mm
Fits: 9mm Hole
Stem Length: 16mm



12

724542
Whl Flare Mlding Clip W/Sealer
Top Head: 14mm X 18mm
Bottom Head: 17mm X 21mm
Fits: 9mm Hole
Stem Length: 16mm



6

724548
Drip Moulding Clips W/ Sealer
Top Width: 25mm
Overall Length: 16mm
Fits: 5mm Hole
White Nylon



10

724939
Rocker Mlding Clip W/ Sealer
Fits: 9mm Hole
Top Head: 12mm X 20mm
Bottom Head: 12mm X 24mm
Stem Length: 14mm
OE:11610495



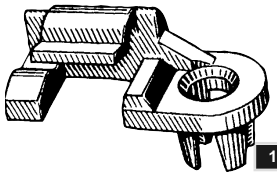
10

724956
Rocker Mlding Clip W/ Sealer
Fits: 9mm Hole
Top Head: 9mm X 20mm
Bottom Head: 14mm X 20mm
Stem Length: 14mm
OE:11546635,11612122



10

724957
Rocker Molding Clip W/ Sealer
Fits: 9mm Hole
Top Head: 9.5mm X 20mm
Bottom Head: 14mm X 20mm
Stem Length: 20mm
OE:11569921,15864780



12

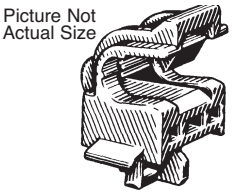
717183
Hood Prop Rod Clips
7/32 Dia.

Nylon

OE:D5ZZ-16828A, D5ZZ-16828B

CLIPS

Illustrations are actual size unless otherwise noted.



6

717646
Hood Prop Rod Clips
8mm Rod Dia.

Nylon

OE:90677-SE0-003



10

725268
Hood Prop Rod Clips
8mm Rod Size
Overall Length: 33mm

Black Nylon
OE:65722-EA000



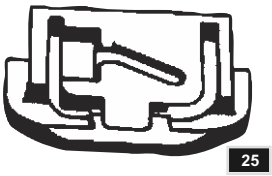
12

725533
Hood Prop Rod Clips
Fits: 7mm Square Hole
Head Size: 15mm
8mm Rod Size
Black Nylon
OE:6N0-823-397-AC



12

725534
Hood Prop Rod Clips
Fits: 7mm Square Hole
Stem Length: 10mm
8mm Rod Size
Natural Nylon
OE:1H0-823-397



25

716409
Moulding Clips
Windshield To Panel (lower) Side

White Nylon
OE:9731301,4005540



50

717219
Moulding Clips
Rear Window Reveal

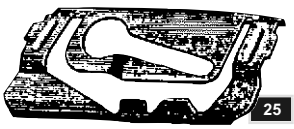
OE:4533699



50

717222
Moulding Clips
Upper & Lower Windshield

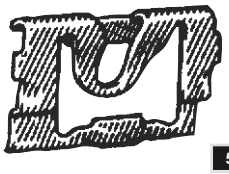
OE:7698976,8763591



25

717223
Moulding Clips
Windshield, Skylight, Rear & Quarter Window

OE:7693140,8736586



50

717226
Moulding Clips
Rear Window

OE:8717859,9854717



12

724701
Moulding Clips
Top Head: 13mm X 14mm
Bottom Head: 16mm
Stem Length: 13mm
Cowl & Dash
OE:90602-SFA-004



12

724702
Moulding Clips W/ Sealer
Top Head: 9mm X 12mm
Bottom Head: 13mm
Stem Dia: 7.5mm
Stem Length: 9mm
OE:91512-SJ6-J01



12

724703
Moulding Clips W/ Sealer
Top Head: 12mm X 17mm
Bottom Head: 16mm X 17mm
Stem Dia: 13mm
Stem Length: 12mm
OE:91512-S50-003



12

724704
Moulding Clips W/ Sealer
Top Head: 12.5mm X 14mm
Bottom Head: 14mm
Stem Dia: 7mm
Stem Length: 8mm
OE:76222-SP1-003



12

724705
Moulding Clips
Fits: 10mm Hole
Head Size: 14mm X 16mm
Stem Length: 12mm
White Nylon
OE:75316-S9A-004



12

724706
Moulding Clips
Top Head: 5mm X 11mm
Bottom Head: 8mm
Stem Dia: 6mm
Stem Length: 7mm
OE:91530-S0A-003



12

724736
Moulding Clips
Stem Length: 10mm
18mm Width; 30.5mm Length
Blue Rubber Boot
White Nylon
OE:51-13-2-251-394

CLIPS

Illustrations are actual size unless otherwise noted.



12

724737
Moulding Clips
Stem Length: 11mm
25.5mm Width; 34mm Length
Blue Rubber Boot
White Nylon
OE:51-13-8-166-675



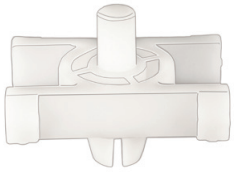
12

724738
Moulding Clips
Stem Length: 11mm
22mm Width; 35mm Length
Blue Rubber Boot
White Nylon
OE:51-13-1-960-054



12

724739
Moulding Clips
Stem Length: 10.5mm
20.5mm Width; 35mm Length
Blue Rubber Boot
White Nylon
OE:51-13-8-231-130



12

724740
Moulding Clips
Stem Length: 6.5mm
21mm Width; 28mm Length
Rocker Panel
White Nylon
OE:51-13-1-829-904,
51-13-6-440-146



12

724741
Moulding Clips
Stem Length: 9.5mm
20.5mm Width; 32mm Length
Door Sill, Whl Housng, Rcker Pnl
White Nylon
OE:51-71-8-184-574



10

724742
Moulding Clips
Overall Hgt: 29mm
30mm Width; 28mm Length
Door Sill & Wheel Housing
White Nylon
OE:51-11-7-160-451



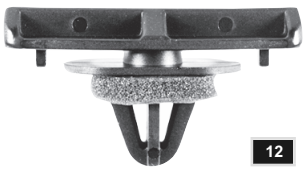
10

724778
Moulding Clips
Top Head: 12mm X 23mm
Bottom Head: 18mm
Stem Length: 11mm
White Nylon



10

724779
Moulding Clips
Head Size: 10mm X 20mm
Stem Length: 14mm
Rocker Panel
Black Nylon
OE:4389940-AB



12

724780
Moulding Clips W/ Sealer
Fits: 8mm Hole
Head Size: 12mm X 38mm
Stem Length: 12mm
Inner Fender
OE:55156655-AA



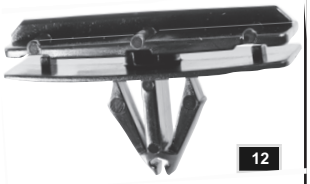
10

724781
Moulding Clips
Flange: 20mm
Stem Dia: 13mm
Stem Length: 12mm
Overall Length: 31mm
OE:68213168-AA



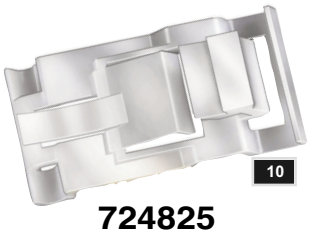
25

724782
Moulding Clips
Head Size: 11.5mm X 21mm
Stem Length: 11mm
Overall Hgt: 17mm
White Nylon
OE:68225214-AA



12

724793
Moulding Clips
Fits: 10mm Hole
Top Head: 14mm X 38mm
Bottom Head: 16mm X 38mm
Stem Length: 14mm
OE:68039280-AA



10

724825
Moulding Clips
18mm Width; 37mm Length
Belt Moulding Clip

White Nylon



10

724826
Moulding Clips
Overall Hgt: 27mm
25mm Width
36mm Length
White Nylon



12

724827
Moulding Clips
Fits: 9mm Hole
Stem Length: 14mm
Top Head: 14mm X 34mm
Bottom Head: 14mm X 33mm



10

724828
Moulding Clips
Fits: 9mm Hole
Head Size: 20mm X 40mm
Stem Length: 14mm
Overall Hgt: 30mm

CLIPS

Illustrations are actual size unless otherwise noted.



10

724829
Moulding Clips W/ Sealer
Top Head: 13mm X 13.5mm
Bottom Head: 12mm X 14mm
Stem Length: 9mm
Windshield Moulding Clip



12

724830
Moulding Clips W/ Sealer
Fits: 9mm Hole
Top Head: 14mm X 18mm
Bottom Head: 18mm X 21mm
Stem Length: 15mm



10

724831
Moulding Clips W/ Sealer
Fits: 9mm Hole
Top Head: 14mm X 18mm
Bottom Head: 14mm X 18mm
Stem Length: 15mm



10

724832
Moulding Clips W/ Sealer
Top Head: 12mm X 20mm
Bottom Head: 15mm X 20mm
Stem Length: 15mm
Rocker Panel
OE:W715201-S300



10

724833
Moulding Clips W/ Sealer
Top Head: 12mm X 20mm
Bottom Head: 12mm X 24mm
Stem Length: 16mm
Bumper
OE:W716497-S300



12

724834
Moulding Clips W/ Sealer
Fits: 9mm Hole
Top Head: 15mm X 20mm
Bottom Head: 20mm X 20mm
Stem Length: 14mm
OE:W716503-S300



10

724835
Moulding Clips
Fits: 9mm Hole
Top Head: 16mm X 23mm
Bottom Head: 17mm
Stem Length: 12mm
OE:W790225-S900



12

724857
Moulding Clips
Head Size: 11mm X 20mm
Overall Height: 13.5mm
Stem Dia: 11mm
White Nylon
OE:W716460-S300



10

724887
Moulding Clips
Top Head: 12mm X 14mm
Bottom Head: 17.5mm X 20mm
Stem Length: 13mm
Rocker Panel
OE:94530385



10

724888
Moulding Clips
Fits: 8mm Hole
Top Head: 11mm X 15mm
Bottom Head: 16mm
Stem Length: 10mm
OE:94530742



10

724889
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 16mm
Bottom Head: 12mm X 20mm
Stem Length: 24mm
OE:25775903



12

724890
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 29mm
Bottom Head: 12mm X 20mm
Stem Length: 10mm
OE:25922739



10

724891
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 20mm
Bottom Head: 12mm X 20mm
Stem Length: 11mm
OE:11571175



10

724892
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 16mm
Bottom Head: 12mm X 20mm
Stem Length: 24mm
OE:25774893



10

724893
Moulding Clips
Fits: 10mm Hole
Head Size: 22mm X 46mm
Stem Length: 17mm
Rocker
OE:25744385



10

724894
Moulding Clips
Fits: 7/16 Hole
Top Head: 15/32 X 25/32
Bottom Head: 1/2 X 25/32
Stem Length: 9/16
OE:10445899

CLIPS

Illustrations are actual size unless otherwise noted.



10

724895
Moulding Clips
Head Size: 13.5mm X 20.5mm
Overall Length: 22mm
M4.2 (no. 8) Screw Size
Windshield Garnish / Int. Trim
OE:11609651



10

724896
Moulding Clip W/Metal Reinfrc
Top Head: 17mm X 20mm
Bottom Head: 14mm X 28mm
Stem Length: 11mm
Windshld Pillar, Interior & Trunk
OE:24405740



10

724897
Moulding Clip W/Metal Reinfrc
Top Head: 17mm X 20mm
Bottom Head: 14mm X 28mm
Stem Length: 12mm
Windshield Pillar & Interior Trim
OE:24405739



10

724898
Moulding Clips W/ Sealer
Fits: 8mm Hole
Top Head: 8mm X 18mm
Bottom Head: 15mm
Stem Length: 13mm
OE:11611375



10

724899
Moulding Clips W/ Sealer
Fits: 10mm Hole
Top Head: 22mm X 45mm
Bottom Head: 25mm X 37mm
Stem Length: 15mm
OE:11611435



10

724900
Moulding Clips
Fits: 7mm Hole
Top Head: 6.5mm X 15mm
Bottom Head: 13mm X 26mm
Stem Length: 8mm
OE:25796285



10

724901
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 20mm
Bottom Head: 12mm X 20mm
Stem Length: 11mm
OE:11562250,11571175



10

724902
Moulding Clips W/ Sealer
Top Head: 12mm X 20mm
Bottom Head: 12mm X 24mm
Stem Length: 16mm
Gray Nylon
OE:11609923



10

724903
Moulding Clips W/ Sealer
Top Head: 7.5mm X 11mm
Bottom Head: 15mm
Stem Length: 14mm
Lower Door & Fender
OE:11611079



12

724904
Moulding Clips
Fits: 9mm Hole
Top Head: 12.5mm X 23mm
Bottom Head: 12.5mm X 23mm
Stem Length: 11mm
OE:11611626



10

724905
Moulding Clips
Fits: 9mm Hole
Top Head: 12.5mm X 20mm
Bottom Head: 18mm
Stem Length: 11mm
OE:11570847



10

724906
Moulding Clips
Fits: 9mm Hole
Top Head: 12mm X 20mm
Bottom Head: 12mm X 20mm
Stem Length: 10mm
OE:11547210



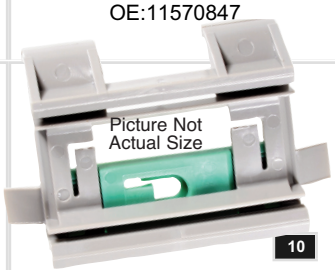
10

724972
Moulding Clips
Top Head: 7.5mm X 10mm
Bottom Head: 9.5mm
Overall Hgt: 16mm
White Nylon
OE:75306-SZA-A01



12

724973
Moulding Clips
Head Size: 13mm X 15mm
Stem Length: 15mm
Fender Trim
White Nylon
OE:75305-SM4-A01



10

724974
Moulding Clips

Tan & Green Nylon
OE:91519-SCV-A01



12

724975
Moulding Clips
Top Head: 8mm X 10.5mm
Bottom Head: 11mm X 16mm
Overall Hgt: 14.6mm
White Nylon
OE:72431-S2X-003

CLIPS

Illustrations are actual size unless otherwise noted.



10

724976
Moulding Clips
Overall Length: 14mm
Overall Hgt: 13mm
13mm Width
Front & Side Door Exterior
OE:75305-SHJ-003

Picture Not Actual Size



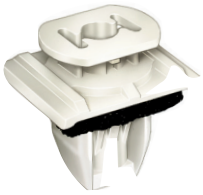
5

724977
Moulding Clips W/ Adhesive
Overall Length: 82mm
8mm Width
Windshield Moulding
Blue Nylon
OE:91570-SZA-305



10

724978
Moulding Clips W/ Sealer
Top Head: 11mm X 13mm
Bottom Head: 15.5mm X 19mm
Stem Dia: 12mm
Stem Length: 19mm
OE:91503-S3Y-003



10

724979
Moulding Clips W/ Sealer
Top Head: 13mm X 17mm
Bottom Head: 19mm X 22mm
Stem Length: 15mm
White Nylon
OE:71591-S5A-000



10

724980
Moulding Clips
Head Size: 19mm
Top Head: 19mm X 24mm
Stem Length: 15mm
Overall Length: 40mm
OE:91578-T0A-003



12

725011
Moulding Clips W/ Sealer
Top Head: 12mm X 16mm
Bottom Head: 16mm
Stem Dia: 9.5mm
Stem Length: 10mm
OE:87703-H1000



12

725012
Moulding Clips W/ Sealer
Top Head: 10mm X 12mm
Bottom Head: 14mm X 20mm
Stem Dia: 14mm
Stem Length: 10mm
OE:87756-1F000



12

725013
Moulding Clips W/ Sealer
Top Head: 10mm X 12mm
Bottom Head: 13mm X 15mm
Stem Length: 11mm
Front Hood
OE:86360-3L000



12

725014
Moulding Clips W/ Sealer
Fits: 9mm Hole
Top Head: 16mm X 20mm
Bottom Head: 15mm
Rocker Moulding
OE:87756-37000



12

725015
Moulding Clips W/ Sealer
Top Head: 10mm X 12mm
Bottom Head: 13mm X 15mm
Stem Length: 11mm
Front Hood
OE:87758-39000



12

725016
Moulding Clips W/ Sealer
Top Head: 12mm X 15mm
Bottom Head: 14mm X 36mm
Stem Dia: 14mm
Stem Length: 10mm
OE:87770-27000



10

725017
Moulding Clips W/ Sealer
Top Head: 10mm X 12mm
Bottom Head: 14mm X 18mm
Stem Length: 10mm
White Nylon
OE:87758-35010



10

725018
Moulding Clips W/ Sealer
Top Head: 11mm X 15.5mm
Bottom Head: 16mm
Stem Length: 12mm
Rocker Moulding
OE:87702-H1000



10

725019
Moulding Clips W/ Sealer
Top Head: 16mm X 18mm
Bottom Head: 18mm X 20mm
Stem Length: 15mm
Blue Nylon
OE:87758-3L000



10

725061
Moulding Clips
Head Size: 18mm X 25mm
Overall Length: 29mm

White Nylon



10

725062
Moulding Clips
Fits: 9mm Hole
Head Size: 15mm
Stem Length: 14mm
White Nylon

CLIPS

Illustrations are actual size unless otherwise noted.



12

725063
Moulding Clips
Top Head: 13mm X 13mm
Bottom Head: 19mm
Stem Length: 10mm
Tail Light Clip
OE:26398-ED000



10

725080
Moulding Clips
Head Size: 8mm X 22mm
Stem Length: 10mm

Black Nylon
OE:87756-2G000



12

725081
Moulding Clips
Top Head: 10mm X 15mm
Bottom Head: 16mm X 18mm
Stem Length: 9mm
White Nylon
OE:86359-33500



12

725082
Moulding Clips W/ Sealer
Top Head: 10.5mm X 9.5mm
Bottom Head: 14mm X 17.5mm
Stem Dia: 14.3mm
Stem Length: 10mm
OE:87719-02500,
87758-3E000, 87759-3E000



10

725083
Moulding Clips W/ Sealer
Top Head: 11mm X 13mm
Bottom Head: 12mm X 20mm
Stem Length: 10mm
Red Nylon
OE:87756-3E500



12

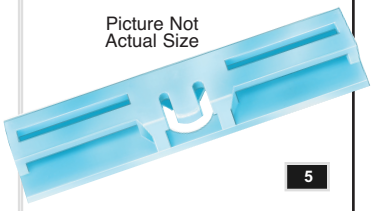
725127
Moulding Clips
Head Size: 10mm X 20mm
Stem Length: 24mm
Overall Length: 27mm
Front & Rear Spoiler
OE:75392-35220



10

725128
Moulding Clips
Head Size: 18mm
Overall Length: 24.5mm

Black Nylon
OE:75393-60030



5

725129
Moulding Clips
Overall Length: 55mm
15mm Width

Blue Nylon
OE:75545-53011



12

725130
Moulding Clips W/ Sealer
Top Head: 11mm X 13mm
Bottom Head: 25mm X 25mm
Stem Length: 14mm
Red Nylon
OE:90467-12072



10

725131
Moulding Clips W/ Sealer
Screw Size: M5.5 (no. 12)
Head Size: 22mm X 18mm
Overall Length: 24mm
Front Bumper
OE:52197-30040



12

725132
Moulding Clips
Top Head: 10mm X 23mm
Bottom Head: 18mm
Stem Length: 10mm
White Nylon
OE:90467-12074



12

725133
Moulding Clips
Top Head: 12mm
Bottom Head: 18mm X 26mm
Stem Length: 10mm
White Nylon
OE:90467-12071



12

725162
Moulding Clips
Top Head: 10mm X 15mm
Bottom Head: 17mm
Stem Dia: 13mm
Stem Length: 9mm
OE:E11451W24



12

725190
Moulding Clips
Head Size: 16mm X 16mm
Overall Length: 21.5mm

White Nylon
OE:001-988-49-81



12

725191
Moulding Clips
Overall Length: 45mm
Overall Hgt: 16mm
11mm Width
45mm Length
OE:006-988-89-78



12

725192
Moulding Clips
Overall Length: 20mm
Overall Hgt: 20mm
19mm Width
White Nylon
OE:124-988-04-78

CLIPS

Illustrations are actual size unless otherwise noted.



12

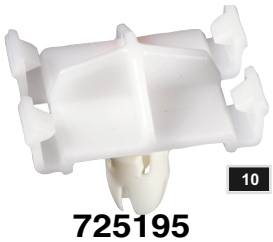
725193
Moulding Clips
Overall Length: 23mm
22.5mm Width

White Nylon
OE:001-988-50-81



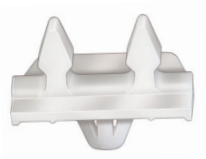
12

725194
Moulding Clips
Head Size: 12mm X 16mm
Stem Length: 7mm
Overall Hgt: 16mm
Front Fender
OE:001-988-44-81



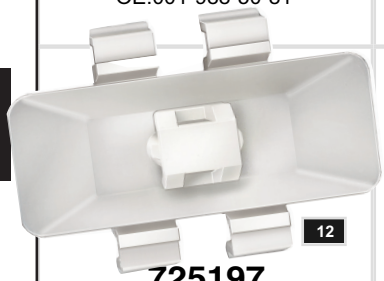
10

725195
Moulding Clips
Stem Length: 16mm
Overall Length: 32.5mm
23mm Width
White Nylon
OE:001-988-80-81



12

725196
Moulding Clips
Overall Length: 25mm
Overall Hgt: 21.5mm
18.5mm Width
Front & Rear Door
OE:001-988-46-81



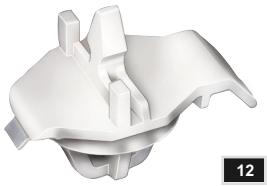
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725197
Moulding Clips
Overall Length: 48mm
Overall Hgt: 15mm
32.5mm Width
Front & Rear Door
OE:007-988-71-78



12

725198
Moulding Clips
Head Size: 12.5mm X 15.5mm
Stem Length: 7mm
Overall Hgt: 15.5mm
Front Fender
OE:001-988-60-81



12

725199
Moulding Clips
Overall Length: 32mm
Overall Hgt: 25.5mm
19mm Width
Quarter Panel
OE:001-988-63-81



10

725220
Moulding Clips
Fits: 8mm Hole
Top Head: 11.5mm X 19mm
Bottom Head: 21mm
Stem Length: 13mm
OE:07-13-7-073-915



10

725221
Moulding Clips
Top Head: 11mm X 19mm
Bottom Head: 21mm
Stem Length: 11mm
Gray Nylon
OE:07-13-2-757-821



10

725222
Moulding Clips
Top Head: 16mm X 20mm
Middle Head: 18mm
Bottom Head: 23mm
Stem Length: 19mm
OE:07-13-1-480-419



10

725223
Moulding Clips
Top Head: 16mm X 20mm
Middle Head: 18mm
Bottom Head: 23mm
Stem Length: 21mm
OE:51-71-7-127-742



10

725270
Moulding Clips
Fits: 8mm Hole
Top Head: 10mm X 15mm
Bottom Head: 18mm
Stem Length: 12mm
OE:76882-EG01A



12

725271
Moulding Clips
Top Head: 8mm X 15mm
Bottom Head: 15mm
Stem Dia: 5.3mm
Stem Length: 9mm
OE:76988-4N000



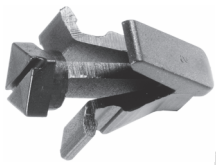
10

725272
Moulding Clips
Top Head: 14mm X 14mm
Bottom Head: 16mm
Stem Length: 10mm
Rocker Moulding Clip
OE:76882-0E700



10

725273
Moulding Clips
Fits: 8.5mm Hole
Top Head: 12mm X 15mm
Bottom Head: 16mm
Stem Length: 12mm
OE:01553-08911



10

725274
Moulding Clips
Overall Hgt: 25mm (1")
Grille Clip

Black Nylon
OE:76882-0M060

CLIPS

Illustrations are actual size unless otherwise noted.



12

725366
Moulding Clips
Top Head: 11mm X 15mm
Bottom Head:14mm X 22.5mm
Stem Length: 13mm
Overall Hgt: 24mm
OE:91059-FC041



12

725367
Moulding Clips
Top Head: 9mm X 11mm
Bottom Head: 14mm X 17mm
Stem Length: 11mm
Upper Front Bumper Exten.
OE:57160-FC010



12

725368
Moulding Clips W/ Sealer
Fits: 9mm Hole
Top Head: 11mm X 14mm
Bottom Head: 17mm
Stem Length: 12mm
OE:91059-FC030



12

725369
Moulding Clips W/ Sealer
Top Head: 11mm X 14mm
Bottom Head: 17mm
Stem Dia: 10mm
Stem Length: 11mm
OE:90913-0008



12

725370
Moulding Clips W/ Sealer
Head Size: 21.5mm X 24mm
Stem Dia: 14.5mm
Stem Length: 17mm
White Nylon
OE:91059-FC110



12

725443
Moulding Clips
Top Head: 8mm X 8mm
Bottom Head: 15mm
Stem Dia: 10mm
Stem Length: 14mm
OE:75819-33010



5

725444
Moulding Clips
Head Size: 43mm X 54mm
Overall Hgt: 26mm
Rocker Panel
Black Nylon
OE:76924-47010



12

725445
Moulding Clips
Overall Hgt: 12.4mm (1/2)
Door & Garnish

White Nylon
OE:67771-58010



12

725446
Moulding Clips
Top Head: 5mm X 10mm
Bottom Head: 18mm
Stem Dia: 10mm
Stem Length: 13mm
OE:75395-0T010



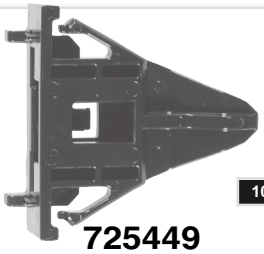
12

725447
Moulding Clips
Fits: 9mm Square Hole
Head Size: 17mm
Stem Length: 8.5mm
Hood & Front/rear Side
OE:90467-11099



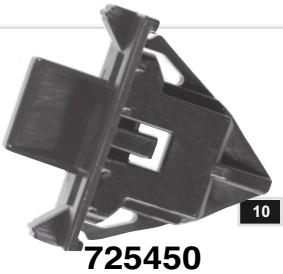
10

725448
Moulding Clips
Top Head: 13mm X 13mm
Stem Length: 22mm
Overall Length: 25mm
White Nylon
OE:52535-0E030



10

725449
Moulding Clips
Top Head: 9mm X 31mm
Overall Hgt: 30mm
Fnt Fnder, Sht Metal, Upper Seal
Black Nylon
OE:61991-35010



10

725450
Moulding Clips
Top Head: 13mm X 31mm
Overall Hgt: 34mm
Fnt Fnder, Sht Metal, Upper Seal
Black Nylon
OE:61992-35010



12

725451
Moulding Clips
Overall Hgt: 21mm
Door, Rear Deck & Roof Garnish
Instrument Panel
Pink Nylon
OE:90467-12080



10

725452
Moulding Clips W/ Sealer
Top Head: 13mm
Bottom Head: 20mm
Stem Length: 10mm
Rear Light Housing Guide
OE:81496-21010



12

725453
Moulding Clips
Overall Hgt: 14mm
Rear Hatch Door Side Garnish
Front Body Pillar Garnish
White Nylon
OE:90467-09204

CLIPS

Illustrations are actual size unless otherwise noted.



10

725454
Moulding Clips
Fits: 10 X 10mm
Head Size: 23mm X 28mm
Stem Length: 14mm
Rocker
OE:90467-12073



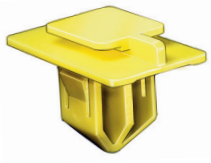
10

725455
Moulding Clips W/ Sealer
Head Size: 24mm
Overall Length: 24mm
Rear Door, Hatch Garnish
Luggage Compartment
OE:76817-12060



10

725456
Moulding Clips W/ Sealer
Fits: 8mm Hole
Head Size: 18mm
Stem Length: 13mm
White Nylon
OE:75867-AC020



10

725457
Moulding Clips
Fits: 10 X 10mm Hole
Top Head: 11mm X 13mm
Bottom Head: 15mm X 25mm
Stem Length: 14mm
OE:90467-12075



12

725510
Moulding Clips
Fits: 8mm Hole
Top Head: 16mm
Middle Head: 17.5mm
Bottom Head: 17mm
OE:30624192



12

725511
Moulding Clips
Fits: 8mm Hole
Top Head: 15mm X 17mm
Bottom Head: 9mm X 16mm
Stem Length: 11mm
OE:30784514



12

725536
Moulding Clips
Top Head: 11.6mm X 15mm
Bottom Head: 11mm
Stem Dia: 6mm
Stem Length: 14mm
OE:191-853-577-A



10

725537
Moulding Clips
Stem Length: 10mm
Overall Length: 38.5mm
34mm Width; Door
With Blue Rubber Grommet
OE:1H0-853-585



10

725538
Moulding Clips
Stem Length: 18mm
Overall Length: 38.5mm
34mm Width; Door
With Blue Rubber Grommet
OE:1H0-853-585-B



10

725539
Moulding Clips
Stem Length: 11mm
Overall Length: 40mm
23mm Width; Quarter Panel
With Blue Rubber Grommet
OE:1H0-853-585-A



12

725540
Moulding Clips
8mm Width
Overall Length: 31mm

White Nylon
OE:191-853-733-A



10

725541
Moulding Clips
24.5mm Width
Stem Length: 12mm
Overall Length: 27mm
With Blue Rubber Grommet
OE:3B0-853-576



12

725542
Moulding Clips
16mm Width
Stem Length: 13mm
Overall Length: 17mm
With Blue Rubber Grommet
OE:3A0-853-575-A



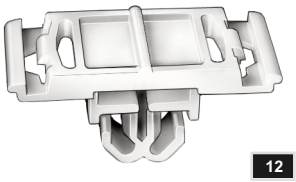
12

725543
Moulding Clips
17.5mm Width
Stem Length: 12mm
Overall Length: 21mm
With Blue Rubber Grommet
OE:3B0-853-575



12

725544
Moulding Clips
20mm Width
Overall Length: 41.5mm
Frnt Door, Fender, Quarter Panel
Natural Nylon
OE:443-853-909-A



12

725545
Moulding Clips
22mm Width
Overall Length: 35mm
Overall Hgt: 16mm
Frnt Door, Fender, Quarter Panel
OE:4A0-853-825

CLIPS

Illustrations are actual size unless otherwise noted.



12

725546
Moulding Clips
22mm Width
Overall Length: 35mm
Front & Rear Door
White Nylon
OE:4A0-853-825-A



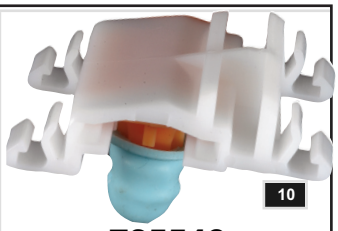
12

725547
Moulding Clips
Head Size: 12mm X 15mm
Stem Dia: 10mm
Stem Length: 19mm
Door & Trim Scuff Plate
OE:191-853-577



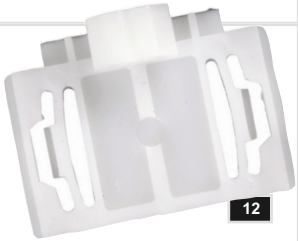
12

725548
Moulding Clips
Fits: 10mm Hole
10mm Wide, Stem Lngth: 11mm
Overall Length: 28.5mm
Rocker Panel
OE:7L0-839-069



10

725549
Moulding Clips
35mm Wide; Stem Lngth: 14mm
Overall Length: 38mm
Door, Fender, Quarter Panel
W/ Blue Rubber Boot
OE:3A0-853-575



12

725550
Moulding Clips
26mm Width, Stem Length: 6mm
Overall Length: 34.5mm
Rear Door
White Nylon
OE:4A0-853-825-C



12

725579
Moulding Clips
25mm Width
Overall Length: 40mm
8mm Thickness
White Nylon
OE:6Q0-868-246-A



12

725580
Moulding Clips
Fits: 9mm Hole
Top Head: 13mm X 16mm
Bottom Head: 14mm
Stem Length: 13mm
OE:3C0-853-585



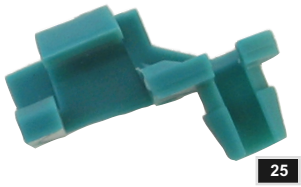
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717608
Trim Panel Clips
OE:MB-178894



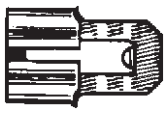
25

717707
DOOR LATCH LOCKING Push Rod Clip
5/32 Rod Diameter
Right Side
Red Nylon
OE:3454220,4658676



25

717708
DOOR LATCH LOCKING Push Rod Clip
5/32 Rod Diameter
Left Side
Green Nylon
OE:3454221,4658677



25

717719
Door Lock Rod Clips
OE:12337868,14051674, 4234830



1

721049
Door Lock Rod Clips
Right Hand
White Pawl
OE:YL3Z-1521970-AA



10

721051
Door Lock Rod Clips
5/32 Rod Diameter
Gray Nylon
OE:16629990,16675980



6

724546
Door Lock Rod Clips
Fits: 7mm Hole
Right Hand Side
3mm (1/8) Rod Size
White Nylon
OE:124-990-04-92



6

724556
Door Lock Rod Clips
Fits: 7mm Hole
Left Hand Side
3mm (1/8) Rod Size
Blue Nylon
OE:6506807-AA

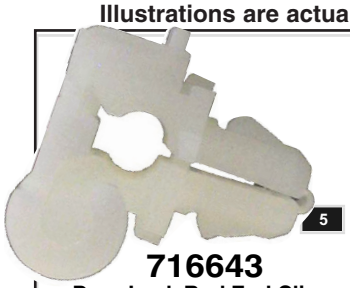


10

725441
Door Lock Rod Clips
Fits: 8mm Hole
Overall Hgt: 20mm
5mm Rod Size
Natural Nylon
OE:69293-30030

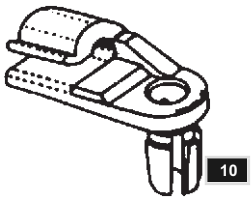
CLIPS

Illustrations are actual size unless otherwise noted.



716643
Door Lock Rod End Clips
5/32 Rod Diameter
2-piece Fold Over

White Nylon
OE:E6DZ-5421952-A, E83Z-5421952-B



716644
Door Lock Rod End Clips
5/32 Rod Diameter

Yellow Nylon

OE:390523-S, E6AZ-5421952-A



716647
Door Lock Rod End Clips
5/32 Rod Diameter
Right Side
Black Nylon

OE:20582532,20633148



717709
Door Lock Rod End Clips
Right Side

OE:3760130



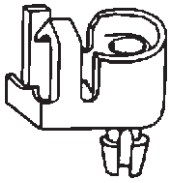
717710
Door Lock Rod End Clips
Left Side

OE:3760131



717713
Door Lock Rod End Clips
.186 Rod Diameter

OE:3081052,469716



717714
Door Lock Rod End Clips
.156 Rod Diameter
.140 Panel Thickness

OE:20008799



717716
Door Lock Rod Retaining Clips
3/8 Rod Diameter
Right Side

OE:20158344,378668,469718



725020
Moulding Grommets
Head Size: 17mm X 25mm
Stem Length: 16mm
M4.2 (No. 8) Screw Size
Yellow Nylon
OE:87759-27000



725021
Moulding Retainers W/ Sealer
Screw Size: M3.5 (No. 6)
Head Size: 13mm X 13mm
Stem Dia: 12mm
Stem Length: 10mm
OE:87756-26900



724743
Moulding Nuts
Flange: 16mm
Overall Hgt: 11mm
5mm Stud Size; 10mm Hex
Nylon Flange Nut
OE:16-13-1-176-747, 003-990-02-51

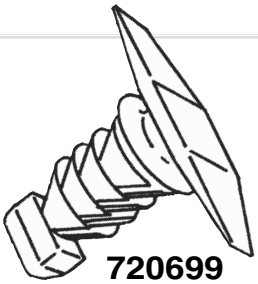


716320
Trim Panel Clips
19mm Head; 34mm Overall Len.
1.75-20mm Panel Range
Fits: 7mm Hole
Natural Nylon
OE:1699250



716310
Retaining Clips
6.3mm X 9mm
14mm Head
Various Front End Fascia

OE:N-803857-S



720699
Retaining Clips
Fits: 5mm Hole
Weatherstrip



725291
Retaining Clips
Head Size: 14mm
Stem Dia: 9.5mm
Stem Length: 16mm
Black Nylon
OE:01553-02253, 90467-090-6901

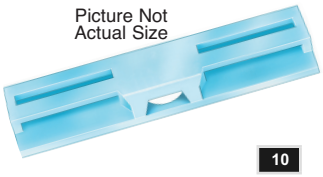


724856
Windsheild Moulding Clips
Head Size: 14.5mm X 30mm
Bottom Leg Width: 26mm

White Nylon

CLIPS

Illustrations are actual size unless otherwise noted.



725144
Windshield Clips
15mm Width
Overall Length: 55mm

Blue Nylon
OE:75545-53010,75545-53011



725275
Windshld Garnish Molding Clip
Fits: 7-12mm Hole
Overall Length: 44mm
Windshield Garnish
OE:76988-3DN0A

DOOR HINGE

Illustrations are actual size unless otherwise noted.



25

717166
Door Hinge Bushings
5/16 ID
13/32 OD
9/32 Height

OE: D1AZ-6522841A, 9721917



25

717238
Door Hinge Bushings
5/16 ID
1/2 OD
23/64 Height
Splined OD

OE:20429500



25

717387
Door Hinge Bushings
5/16 ID
31/64 OD
9/32 Height

OE:D90Z-6522841A



1

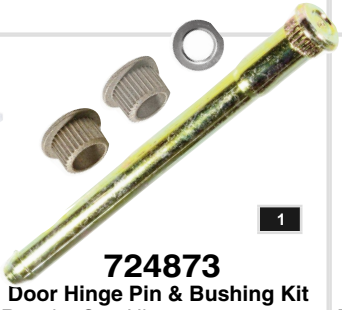
724871
Door Hinge Pin & Bushing Kit
Repairs One Hinge



1

724872
Door Hinge Pin & Bushing Kit
Repairs One Hinge
Greaseable Stainless Steel

OE:19260056



1

724873
Door Hinge Pin & Bushing Kit
Repairs One Hinge



1

724874
Door Hinge Pin & Bushing Kit
Repairs One Hinge
Greaseable Stainless Steel



1

724875
Door Hinge Pin & Bushing Kit
Repairs One Hinge
Greaseable Stainless Steel



5

717256
Door Hinge Pins
4-5/32 Length
11/32 Dia.
15/32 Head OD
Zinc & Yellow

OE:12338015,14066728



12

717397
Door Hinge Pins
5-1/4 Length
11/32 Dia.
3/8 Shoulder OD
9/16 Head OD

OE:15591860,15691595,
15967691,88891731



2

720999
Door Hinge Pins
4-1/8 Length
11/32 Dia.
3/8 Shoulder OD
1/2 Head OD

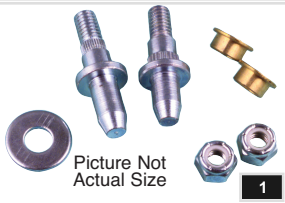
OE:15653790



10

721055
Door Hinge Pins
3-3/8 Length
11/32 Dia.
9/16 Head Dia.
Zinc Plated

OE:D9ZZ-6643030-AA



1

723290
GM Truck Door Hinge Pins & Bushing Repair Kit

OE:89025539



1

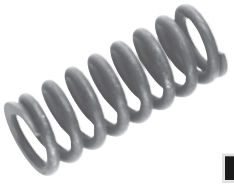
724481
Door Hinge Repair Kit
Forged Pins W/ Dacromet



1

724876
Door Hinge Roller Kit
Repairs One Hinge
Greaseable Stainless Steel

OE:19260063



1

717461
GM Door Hinge Springs
Spring Compressor May Be Needed For Install.

DOOR HINGE

Illustrations are actual size unless otherwise noted.



717364
Side Dr Lower Hinge Bushings
25-64 ID
17/32 OD
23/64 Height
Splined OD
OE:15562609,15964972, 16632192



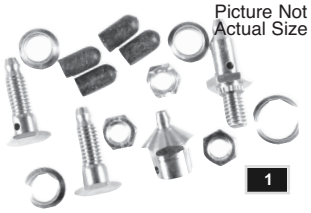
717363
Side Dr Upper Hinge Bushings
11/32 ID
43/64 OD
23/64 Height
Splined OD
OE:12338074,15691493, 15964971,16632193



724881
Hinge Pin & Bushing Kit
Repairs 2 Side Cargo Doors
Greaseable Stainless Steel
OE:19260663



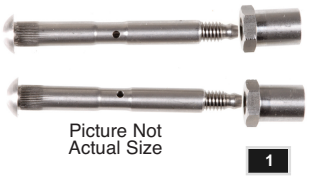
724882
Hinge Pin & Bushing Kit
Repairs 2 Hinges
Stainless Steel



724883
Hinge Pin & Bushing Kit
Repairs 2 Hinges
Greaseable Stainless Steel
OE:19260061



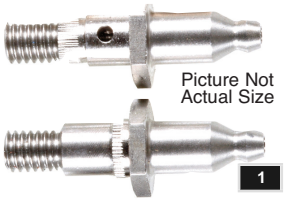
724884
Hinge Pin & Bushing Kit
Repairs 2 Hinges
Stainless Steel



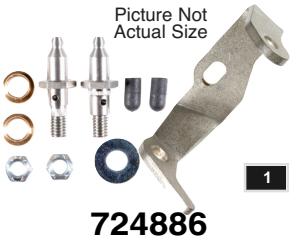
724776
Hinge Pin & Nut Kit
Tailgate Repair
Greaseable Stainless Steel
Repairs Two Hinges



724777
Hinge Pin & Nut Kit
Door Hinge Repair
Greaseable Stainless Steel
Repairs Two Hinges



724885
Hinge Pin Bushing & Bracket Kit
Repairs 1 Hinge
Greaseable Stainless Steel
W/bracket
OE:19260060



724886
Hinge Pin Bushing &
Repairs 1 Hinge
Greaseable Stainless Steel
W/bracket
OE:19260058

GROMMETS

Illustrations are actual size unless otherwise noted.



10

724924
Retainers
Fits: 11mm
Head Size: 16mm
Stem Length: 16mm
Overall Length: 20mm
OE:11570830



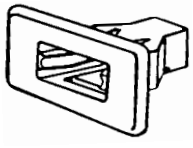
10

724732
Grommet / Retainers
Top Head: 12.5mm X 15mm
Bottom Head: 15mm X 17mm
Stem Length: 14mm
Overall Length: 18mm
OE: 51-41-015-44-20, 51-41-700-16-29, 51-45-030-47-03, 51-45-816-52-60



10

724733
Grommet / Retainers
Head Size: 15mm X 17mm
Stem Length: 13mm
Overall Length: 15mm
Clear Nylon
OE:51-45-8-161-557



5

716844
Tail Lamp Retaining Grommet
14mm W, 19mm L
Fits: 8 X 12mm Hole
5mm Or #10 Screw



10

720938
Cowl Screw Grommets
Fits: 10 X 15mm Hole
4.8mm (No. 10) Screw

Blue Nylon
OE:55799-12010



10

720982
Bumper Grommets
No. 10 Screw

Black Nylon
OE:90107-SX0-003



10

720985
Fender Lining Screw Grommet
15mm Stem
18mm Head Dia.
Fits: 9mm Square Hole
5.5mm Screw
OE:90189-06104



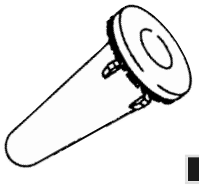
10

720986
Fender Lining Screw Grommet
22mm Stem
20mm Head Dia.
Fits: 8 X 8mm Hole
5.5mm Screw
OE:90189-06157



10

720987
Fender Lining Screw Grommet
18mm Stem
16mm Head Dia.
5.5mm Screw
Black Nylon
OE:90189-06214



7

723206
Moulding Grommets
15.5mm Flange
21.5mm Overall Length
1.5mm Panel Range
Fits: 9mm Hole
OE:MR478263



12

724734
Interior Trim Grommets
Head Size: 17mm X 19mm
Stem Length: 9mm

Red Nylon
OE:51-45-8-266-814



12

724773
Door Panel Grommets
Fits: 9mm Hole
Head Size: 19mm
Stem Length: 12mm
Green Nylon
OE:4784018-AA



10

724774
Grommets
Fits: 9mm Hole
Head Size: 15mm
Stem Length: 21mm
Overall Length: 25mm
OE:4806271-AA



5

724820
Bumper Grommets
Fits: 17 X 20mm Hole
Head Size: 27mm X 30mm
Stem Length: 32mm
Rear Bumper Grommet W/seal
OE:3M8Z-16K262-A, GJ6A-50-ES1



12

724853
Tail Lamp Grommets
Head Size: 13mm X 17mm
Stem Length: 10mm

Black Nylon
OE:W711079-S300



12

724944
Grommets
Head Size: 13.5mm
Overall Length: 14mm
Door Glass To Regulator Grommet
OE:25803643

GROMMETS

Illustrations are actual size unless otherwise noted.



10

725161
Grommets
Diameter: 25mm
Stem Dia: 22mm

Black Nylon
OE:GS3L-68-615



12

725262
Bumper Grommets
Screw Size: M5.5 (No. 12)
Overall Length: 22mm
Bumper Screw Grommet
Natural Nylon
OE:01281-01321



12

725263
Bumper Grommets
Screw Size: M4.8 (No. 10)
Head Size: 20mm
Stem Length: 16mm
Overall Length: 22mm
OE:63846-5V000



12

725267
Grommets
Fits: 11mm Hole
Head Size: 20mm
Stem Length: 13mm
Grille
OE:01281-0005U



10

725276
Moulding Grommets W/ Sealer
Fits: 8mm Hole
Screw Size: M4.2 (No. 8)
Head Size: 14mm
Stem Length: 8mm
OE:01553-02913



10

725277
Moulding Grommets W/ Sealer
Screw Size: M5.5 (No. 12)
Head Size: 15.4mm X 19mm
Stem Length: 15mm
Yellow Nylon
OE:76848-71S00



12

725352
Moulding Grommets
Overall Hgt: 16mm
20mm Overall Width

Black Nylon
OE:4A0-805-163



12

725363
Grommets
Fits: 7mm Hole
Head Size: 14mm
Stem Length: 7mm
Cowl & Dash Grommet
OE:91486-KJ000



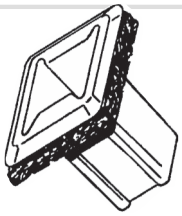
25

725551
Moulding Grommets
Flange: 13mm
Overall Length: 12mm
7mm ID
Blue Rubber
OE:1H0-853-586



25

716795
Grommets W/ Sealer
Fits: 8mm Square Hole
13mm Head Dia.
5mm Screw
Natural Nylon
OE:01281-00022



7

723385
Cowl Vent Grommets W/Sealer
13mm Stem Length
13 X 13mm Head
1mm Panel Range
14mm Overall Length
OE:80874-0P000



6

724552
Spoiler Grommets W/ Sealer
Head Dia: 12 X 16mm
Stem Dia: 14mm
Back Glass Lwr & Quarter Glass Molding, Black Nylon
OE: MB645307



10

724945
Grommets W/ Sealer
Head Size: 24mm
Stem Length: 22mm
Overall Hgt: 24.5mm
Tail Light
OE:11561987



10

724947
Grommets W/ Sealer
Fits: 7mm Hole
Head Size: 12mm X 14.5mm
Stem Length: 15mm
Trim Panel
OE:10351052



12

724948
Grommets W/ Sealer
Fits: 9mm Hole
Flange: 24mm
Stem Length: 12mm
Trim Panel
OE:11561500



12

725296
Grommets W/ Sealer
Head Size: 14mm X 18mm
Stem Length: 13mm

White Nylon
OE:01553-02923

GROMMETS

Illustrations are actual size unless otherwise noted.



12

725364
Grommets W/ Sealer
Fits: 8mm Hole
Head Size: 17.5mm
Stem Length: 15mm
Cowl Top, Quarter Glass, Ext.
OE:91167-AA000

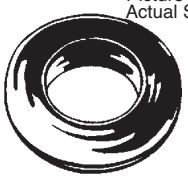
Picture Not Actual Size



10

717110
Rubber Grommets
3/16 ID
1/16 Groove Width
5/16 Groove Diameter
1/2 Outside Diameter

Picture Not Actual Size



10

717111
Rubber Grommets
1/4 ID
1/16 Groove Width
3/8 Groove Diameter
1/2 Outside Diameter

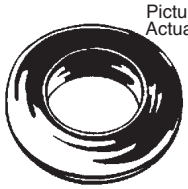
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10

717112
Rubber Grommets
5/16 ID
1/16 Groove Width
7/16 Groove Diameter
9/16 Outside Diameter

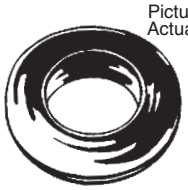
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10

717113
Rubber Grommets
3/8 ID
1/16 Groove Width
5/8 Groove Diameter
7/8 Outside Diameter

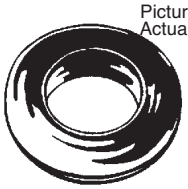
Picture Not Actual Size



10

717114
Rubber Grommets
1/2 ID
1/8 Groove Width
3/4 Groove Diameter
1” Outside Diameter

Picture Not Actual Size



10

717115
Rubber Grommets
5/8 ID
1/8 Groove Width
7/8 Groove Diameter
1-1/8 Outside Diameter



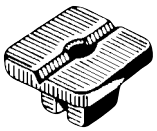
10

716790
Screw Grommets
13mm W, 13mm L
Fits: 8.5mm Square Hole
5mm Screw
Natural Nylon
OE: 75521-611-0000, 90189-06010, 96706-P0105, 9991-00-601



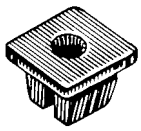
25

716792
Screw Grommets
12mm W, 12mm L
Fits: 8mm Square Hole
5mm Screw
Natural Nylon
OE:9991-00-501



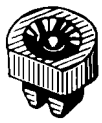
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716794
Screw Grommets
17mm W, 17mm L
Fits: 8mm X 8.5mm Hole
5mm Screw
Natural Nylon
OE:90662-671-0030, 68425-H5000,9991-00-503



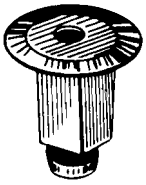
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716798
Screw Grommets
13mm W, 15mm L
Fits: 8.5mm X 10.5mm Hole
6mm Screw
Natural Nylon
OE:90656-671-6310M1



10

716839
Screw Grommets
Fits: 7 X 7mm Hole
13mm Head Dia.
4mm Screw
Natural Nylon
OE:9991-00-403



10

716845
Screw Grommets
21mm Stem
18mm Head Dia.
Fits: 8.5mm Square Hole
6.3-1.81mm Screw
OE:90189-06003



10

716846
Screw Grommets
17mm Stem
20mm Head Dia.
Fits: 8mm Hole
6.3-1.81mm Screw
OE:90189-06013, 90189-06065, 96706-W1000



10

716848
Screw Grommets
16mm Stem
Fits: 6mm Square Hole
13.5mm Head Dia.
4mm Screw
OE:MB106212,01281-00151, 01281-00161, 790184000, 90672-671-811, 96706-H9400, 96706-K1300, 96706-K1351



10

716850
Screw Grommets
16mm Stem
9.5mm W, 9.5mm L
Fits: 7mm Square Hole
3mm Screw
OE:9991-00-402, 96706-89901

GROMMETS

GROMMETS

Illustrations are actual size unless otherwise noted.



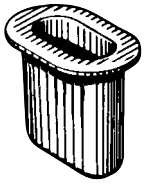
5

716852
Screw Grommets W/ Sealer
12mm Stem
15mm W, 15mm L
Fits: 7mm Square Hole
3mm Screw
OE:90675-SA6-0030



10

716855
Screw Grommets
10mm Stem
14mm Head Dia.
Fits: 7mm Square Hole
3mm Screw
OE:90662-693-003, 90189-04066



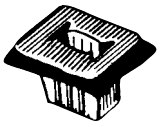
10

716856
Screw Grommets
17mm Stem
12mm W, 19mm L
Fits: 8 X 15mm Hole
5mm Screw
OE:90683-693-0000, 78856-R4301



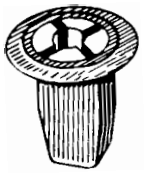
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716857
Screw Grommets
17mm Stem
16mm Head Dia.
Fits: 8mm Square Hole
4mm Screw
OE: 90661-SC7-003,01651-00481, 74798-S9000,90189-06042, H001-50-841,MS-480012



10

716858
Screw Grommets W/ Sealer
10mm Stem
11mm W, 14mm L
Fits: 7 X 10mm Hole
3mm Screw
OE:90668-688-0030



10

716864
Screw Grommets
17mm Stem
18mm Head Dia.
Fits: 8.5mm Square Hole
5mm Screw
OE:01281-00028,90189-06001, MB-098145



10

716867
Screw Grommets
15mm Stem
Fits: 7mm Square Hole
10mm W, 10mm L
3mm Screw
OE:90189-04007



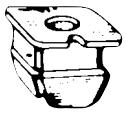
10

716870
Screw Grommets
9.5mm W, 9.5mm L
Fits: 6mm Square Hole
4mm Screw
White Nylon
OE:34301-692A-0000



25

717611
Screw Grommets
9.5mm W; 9.5mm L
Fits: 7mm Square Hole
4mm Screw
White Nylon
OE: 75522-611-0000, 97606-B0700, 9991-00-412, MS-480001



100

718682
Screw Grommets
Fits: 5/16 Square Hole
No. 8 Screw



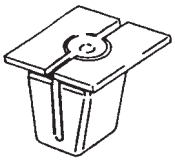
12

720981
Screw Grommets
10mm Stem
16mm Head Dia.
Fits: 12mm Hole
Tail Light Housing
OE:6504072



10

720989
Splash Shield Screw Grommet
15mm Stem
18 X 20mm Head
5.5mm Screw
Black Nylon
OE:KA78-50-AF4



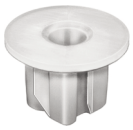
7

723049
Screw Grommets
Fits: 10 X 13.5mm Hole
20mm Square Flange
4.2mm Screw
Hdlmp Mount At Grille Opening
OE:YS4Z-13N129-AA



12

723155
Screw Grommets
14mm Flange
0.7 - 2.5mm Panel Range
Fits: 9mm Square Hole
Front Bumper
OE:1318908-9



12

724030
Screw Grommets
16mm Flange
11mm Overall Length
Fits: 8.5mm Square Hole
1.5mm Panel Range
OE:01281-00831



12

724709
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 16mm X 16mm
Stem Dia: 7mm
Stem Length: 7mm
OE:90107-S0X-A01

GROMMETS

Illustrations are actual size unless otherwise noted.



5

724844
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 15mm X 27mm
Stem Length: 13mm
Cowl Vent
OE:3M8Z-17C432-A, GK2A-50-798



12

724845
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 16mm
Stem Length: 24mm
Front Bumper
OE:W708319-S300



12

724846
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 11.5mm X 11.5mm
Stem Length: 18mm
Side Marker/ Tail Light / Bump
OE:W708580-S300



10

724848
Screw Grommets W/ Sealer
Head Size: 15mm X 15mm
Stem Length: 22mm
M6.3-1.81 (No.14) Screw Size
License Plate & Tail Light
OE:W711031-S300



10

724940
Specialty Grommets
Head Size: 15mm X 18mm
Stem Length: 23mm
M6.3 (1/4 Or No. 14) Screw Size
Rear Bumper Screw W/seal
OE:25704358



10

725038
Screw Grommets
Head Size: 18mm
Stem Length: 21mm
M4.8 (No. 10) Screw Size
Natural Nylon
OE:86910-21010



12

725039
Screw Grommets W/ Sealer
Screw Size: M4.8 (No. 10)
Top Head: 14mm X 18mm
Bottom Head: 18mm
Stem Length: 18mm
OE:86625-3S000



12

725139
Screw Grommets
Head Size: 17.5mm X 30mm
Stem Length: 10mm
M5.5 (No. 12) Screw Size
White Nylon
OE:52535-30150



12

725140
Screw Grommets
Fits: 7mm X 7mm Hole
Screw Size: M2.9 (No. 4)
Head Size: 9mm X 9mm
Stem Length: 14mm
OE:90189-04207



10

725170
Screw Grommets W/ Sealer
Screw Size: M4.2 (No. 8)
Head Size: 20mm
Stem Length: 15mm
White Nylon
OE:GJ6A-58-975



10

725292
Screw Grommets W/ Sealer
Screw Size: 4.2 (No. 8)
Head Size: 16mm
Stem Length: 20mm
Natural Nylon
OE:01281-00691



10

725293
Screw Grommets W/ Sealer
Screw Size: M3.5 (No. 6)
Head Size: 9.5mm X 9.5mm
Stem Length: 16mm
White Nylon
OE:01281-00501



10

725294
Screw Grommets W/ Sealer
Screw Size: M6.3-1.81 (No. 14)
Head Size: 15mm X 19mm
Stem Length: 16mm
Brown Nylon
OE:01553-2U001, 26557-2U001



12

725401
Screw Grommets
Fits: 7mm Square
Screw Size: M4.8 (No. 10)
Head Size: 12mm
Stem Length: 15mm
OE:90930-0015



12

725402
Screw Grommets
Fits: 8mm Square Hole
Screw Size: M4.8 (No. 10)
Head Size: 13mm
Stem Length: 8mm
OE:94081-FA010



12

725403
Screw Grommets
Fits: 8mm Square Hole
Screw Size: M3.5 (No. 6)
Head Size: 11 X 11mm
Stem Length: 10mm
OE:62731-FA010

GROMMETS

Illustrations are actual size unless otherwise noted.



12

725404
Screw Grommets W/ Sealer
Screw Size: M4.8 (No. 10)
Head Size: 16mm X 16mm
Stem Length: 19mm
Rear Bumper Reinforce Beam
OE:57750-FC010



10

725405
Screw Grommets W/ Sealer
Screw Size: M5.5 (No. 12)
Head Size: 20mm
Stem Length: 18mm
OE:91084-AA010



10

725482
Screw Grommets
Fits: 9mm X 9mm Hole
Screw Size: M5.5 (No. 12)
Head Size: 20mm
Stem Dia: 22mm
OE:90189-06177



12

725483
Screw Grommets
Fits: 9mm X 9mm Hole
Screw Size: M5.5 (No. 12)
Head Size: 20mm
Stem Length: 17mm
OE:90189-A0002



10

725484
Screw Grommets
Fits: 9mm X 9mm Hole
Screw Size: M5.5 (No. 12)
Head Size: 16mm
Stem Length: 16mm
OE:90189-06145



12

725485
Screw Grommets W/ Sealer
Fits: 7mm Square Hole
Screw Size: M3.2 (No. 6)
Head Size: 10mm X 10mm
Stem Length: 15mm
OE:90189-04102



12

725574
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 7mm X 12.5mm
Stem Length: 11mm
Black Nylon
OE:811-807-577-C



12

725575
Screw Grommets
Screw Size: M4.8 (No. 10)
Head Size: 12mm
Stem Length: 12.5mm
Black Nylon
OE:867-809-966



12

725576
Screw Grommets
Screw Size: M4.2 (No. 8)
Head Size: 11mm
Stem Length: 13mm
Natural Nylon
OE:165-827-592



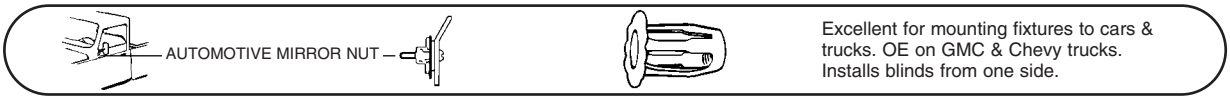
12

725577
Screw Grommets
Fits: 6.5 X 8mm Hole
Screw Size: M4.8 (No.10)
Head Size: 12mm
Stem Length: 15mm
OE:6N0-809-966A

NUTS

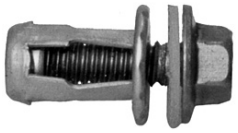
EXPANSION NUT KITS (REAR VIEW MIRROR KIT)

Expansion nut kits are perfect for use in thin materials where wood and sheet metal screws will not hold.



Excellent for mounting fixtures to cars & trucks. OE on GMC & Chevy trucks. Installs blinds from one side.

EXPANSION NUT KIT



Contains 25 ea. of 717165 nuts and 717034 stainless steel screws.

OE: 367292

Part No. 717033 25

REPLACEMENT STAINLESS STEEL SCREW



Special stainless steel screw with nylon washer that will not rust.

OE: 367291

Part No. 717034 25

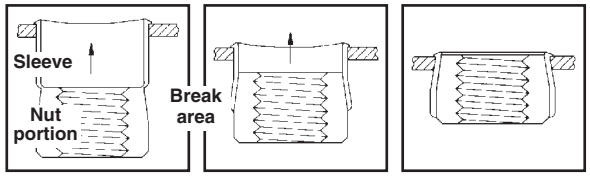
Instructions:

1. Drill (7/16") hole. **2.** Insert nut, flange side out. **3.** Insert screw and tighten to collapse legs of nut. **4.** Remove bolt, mount fixture and retighten. Thread size of nut 1/4"- 20. Hole size required 7/16".

HEAVY DUTY STEEL CLINCH-NUTS®

- **Strong load bearing threads.**
- **Install in practically any material.**
- **Use in any thickness material, from .030 to infinity.**

Clinch-nut installation



Clinch-Nuts are a one-piece design consisting of a nut portion and a sleeve portion.

A rotating tool mandrel exerts a pull and "breaks" the nut portion from the sleeve drawing it into the sleeve.

The nut portion expands the sleeve exerting a 360° swage fit against the parent material.

HEAVY DUTY INSTALLATION TOOL



Part No. 503115

- **Simple to use.**
- **Adapters allow installation of any size Clinch-Nuts or Rivet-Nuts.**
- **Order adapters separately.**

STEEL CLINCH-NUT PART NUMBER	QTY	THREAD SIZE	MATERIAL THICKNESS .030-.090 DRILL	.091-.124 DRILL	.125-.186 DRILL	.187-OVER DRILL	HEAVY DUTY ADAPTER PART NUMBER	LIGHT DUTY TOOL ONLY* PART NUMBER
503110	25	6-32	7/32	No.2	No.1	No.1	**503150**	**---**
503111	25	8-32	1/4	"F"	17/64	17/64	**503151**	**503176**
503112	25	(10-24)3/16	9/32	"L"	"L"	19/64	**503152**	**503177**
503113	25	(10-32)3/16	9/32	"L"	"L"	19/64	**503153**	**503178**
503114	25	1/4-20	3/8	3/8	"W"	25/64	**503154**	**503179**
503121	25	5/16-18	1/2	1/2	33/64	33/64	**503155**	**503180**

*** Sizes no. 6 & 8 supplied with hex key, sizes 10 thru 5/16 require std. socket wrench.**

CLINCH-NUT



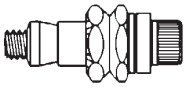
Part No. 503121

LIGHT DUTY INSTALLATION TOOL



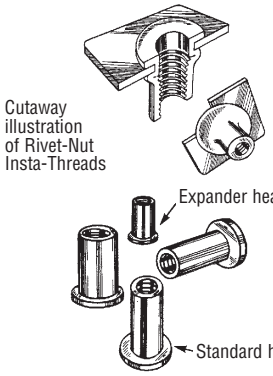
- **A unique time & money saver.**
- **Makes quick, quality repairs in the field.**
- **For the frequent user, use Tool Part No. 503115.**

HEAVY DUTY CLINCH-NUT INSTALLATION TOOL ADAPTERS



Pre-assembled hex nose piece assemblies and "Quick Change" tool nose piece holder make installation fast and easy.

RIVET-NUT BLIND THREADED RIVETS



- **Perfect for use in light-gauge materials of metal, plastic and rigid composition. Material previously too thin to tap threads can now be accommodated.**
- **A Rivet-Nut is a tubular rivet with internal threads. It can be installed from one side in seconds. Once a Rivet-Nut is installed, it is ready to use with clean threads available for screw attachments. Used for materials .010 through .125 in. thickness.**
- **The Rivet-Nut Insta-Threads are available in standard heads, which are surface mounted and extend slightly above the material in which they are installed. Also available are the expander heads (small flathead), which may be used for flush or 120° countersunk installations or wherever a smaller head may be required.**

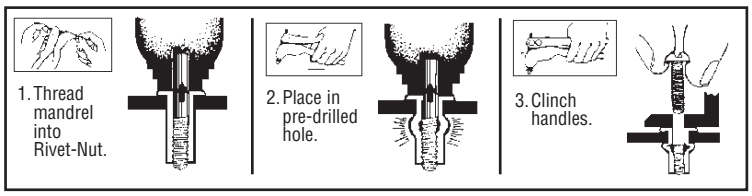
PROPER TOOL SELECTION

- **Both Rivet-Nut tool, H.D. Clinch-Nuts and light duty installation tools will install all threaded inserts, Clinch-Nuts or Rivet-Nuts. However, due to the design of each type of threaded insert, we recommend that the Clinch-Nut tool or light duty tool be used for Clinch-Nut installation and that the Rivet-Nut tool be used for Rivet-Nut Insta-Thread installations.**

	STANDARD HEAD LARGE FLANGE		EXPANDER SMALL FLANGE					
THREAD SIZE (PITCH)	STEEL PART NUMBER	ALUM PART NUMBER	STEEL PART NUMBER	ALUM PART NUMBER	DRILL SIZE	GRIP RANGE	H.D. CLINCH-NUT TOOL	LIGHT DUTY INSTALLATION TOOL ADAPTER
6-32	**503914**	**503930**	**503921**	**503937**	3/16		**503150**	**---**
8-32	**503915**	**503931**	**503922**	**503938**	7/32	.010" min.	**503151**	**503176**
10-24	**503916**	**503932**	**503923**	**503939**	1/4	to	**503152**	**503177**
10-32	**503917**	**503933**	**503924**	**503940**	1/4	.080" max.	**503153**	**503178**
1/4-20	**503918**	**503934**	**503925**	**503941**	11/32		**503154**	**503179**
5/16-18	**---**	**503935**	**---**	**503942**	27/64	.020" min.	**503155**	**503180**
						to		
3/8-16	**---**	**503936**	**---**	**503943**	1/2	.125" max.	**---**	**---**
M3.5-0.6	**---**	**504366***	**---**	**504372***	M4.9(3/16)		**n/a**	**n/a**
M4-0.7	**---**	**504367***	**---**	**504373***	M5.6(7/32)	M.25 min.	**n/a**	**n/a**
M5-0.8	**---**	**504368***	**---**	**504374***	M6.4(1/4)	to	**n/a**	**n/a**
M6-1.0	**---**	**---**	**---**	**504375***	M8.7(11/32)	M2.03 max.	**n/a**	**n/a**
M8-1.25	**---**	**504370***	**---**	**504376***	M10.5(27/64)	M.50 min.	**n/a**	**n/a**
						to		
M10-1.5	**---**	**504371***	**---**	**504377***	M12.5(1/2)	M3.18 max.	**n/a**	**n/a**

***Discontinued when stock is depleted.**

RIVET-NUT TOOL



TOOL WARRANTY NOTE:
Rivet Setting Tool, Part No. 503910, is not warranted by us. The manufacturer requires that tools be returned to them. Necessary information is packed with every tool.



Part No. 503910
Includes a mandrel and a nosepieces for 8-32, 10-24 and 10-32 inserts.

MANDRELS AND NOSEPIECES FOR RIVET NUT TOOL #503910



THREAD SIZE	PART NUMBER
6-32	**503980**
8-32	**503981**
10-24	**503982**
10-32	**503983**

THREAD SIZE	PART NUMBER
1/4-20	**503984***
4mm	**503985**
5mm	**503986**
6mm	**503987***

***Mandrel only, nosepiece not required.**

NUTS

HEX FLANGE NUTS

JIS HEX LOCK NUTS

- Flange style with serrated washer face.
- Case hardened.
- Lusterplated.

SIZE	PART NUMBER (USS)	PART NUMBER (SAE)	QTY
10-24	**720252***	---	50
1/4	**50620**	**50624**	50
5/16	**50621**	**50625†**	50
3/8	**50622**	**50626**	50
7/16	**50616**	**50627**	25
1/2	**50617**	**50628**	25
5/8	**50618**	---	25
3/4	**50619**	---	10

† Black Oxide Finish * 3/16" Diameter



SIZE	PITCH	A/F NUMBER	PART	QTY
6mm	1.00	10mm	**630425**	50
8mm	1.25	12mm	**630426**	50
10mm	1.25	14mm	**630427**	50
10mm	1.50	14mm	**717273**	25

HEX WASHER NUTS

- Flange style with smooth washer face.
- Case hardened.
- Universal applications.

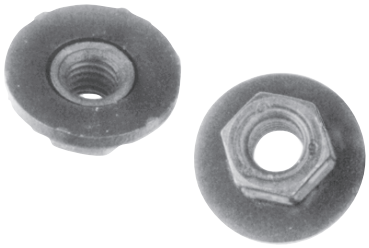


SIZE	PITCH	A/F NUMBER	PART	QTY
5mm	.80	8mm	**716895†**	25
6mm	1.00	10mm	**717260†**	25
8mm	1.25	13mm	**717270†**	25
10mm	1.25	14mm	**717299****	25
10mm	1.50	15mm	**717287†**	25

† Black Oxide Finish **Zinc Yellow

HEX NUTS with FREE SPINNING WASHER

- Lusterplated steel.
- Universal applications.
- Washer points provide positive locking action.



METRIC

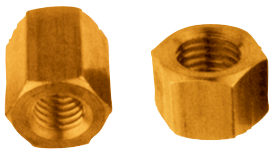
DIA.	PITCH	PART NUMBER	WASHER	HEX	QTY
5mm	.80	**716894**	15mm	10mm	25
6mm	1.00	**720297**	14mm	10mm	25
6mm	1.00	**720298**	16mm	11mm	25
6mm	1.00	**717475***	16mm	11mm	25
6mm	1.00	**716887**	16mm	10mm	25
6mm	1.00	**717476**	18mm	11mm	25

DIA.	PITCH	PART NUMBER	WASHER	HEX	QTY
6mm	1.00	**720299**	19mm	10mm	25
6mm	1.00	**720301**	24mm	11mm	25
6.3mm	1.00	**717265**	16mm	11mm	25
6.3mm	1.00	**717477**	19mm	11mm	25
8mm	1.25	**720304**	28mm	13mm	25
8mm	1.25	**717478**	24mm	13mm	25

*** Non-locking**

BRASS MANIFOLD NUTS

- Manifold and universal applications.
- Corrosion resistant. Burr-free threads.
- High strength copper-zinc formation.
- Six different metric sizes - 6mm to 10mm.

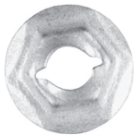


SIZE-PITCH	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
6mm-1.00	**553161**	10mm	5mm	50
8mm-1.25	**553162**	13mm	6mm	50

SIZE-PITCH	PART NUMBER	WRENCH SIZE	NUT HEIGHT	QTY
8mm-1.25	**553165**	13mm	15mm	50
10mm-1.50	**553163**	17mm	8mm	50

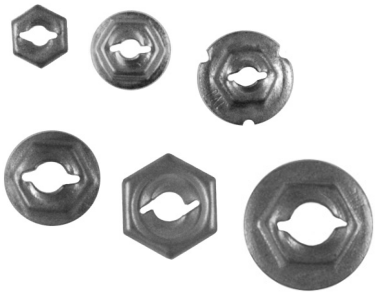
NUTS

THREAD CUTTING NUTS



Stamped Hex Nut Self Threading w/Locking Tabs	Stamped Hex Nut Self Threading w/o Sealer	Stamped Hex Nut Self Threading w/o Sealer		
3/16" Stud 5/8" Washer 3/8" A/F Zinc Finish Universal OE: N/A	4mm Stud 9mm Hex w/15mm Integral Faceted Washer GM 1978/on Universal OE: 11502540	5mm Stud 10mm Hex w/15mm Integral Flat Washer GM 1977/on Universal OE: 11501932		
724473 50	**720327** 50	**717485** 50		

PAL NUTS



- **Vibration proof; reusable.**
- **Same wrench size as standard nuts.**
- **Regular style for threaded fasteners.**

Regular

THREAD SIZE	PART NUMBER	WASHER O.D.	HEX O.D.	QTY
8-32	**516281**	15/32	11/32	100
3/16	**516282**	1/2	3/8	100
3/16	**516283**	3/4	3/8	100
1/4-20	**516284**	19/32	7/16	100
5/16-18	**516291**	13/16	1/2	100

- **Thread cutting style for studs.**
- **Formed washer face holds in place.**

Thread Cutting

STUD SIZE	PART NUMBER	WASHER O.D.	HEX O.D.	QTY
1/8	**516285**	--	5/16	100
1/8	**516286**	7/16	5/16	100
1/8	**516287**	17/32	5/16	100
3/16	**516288**	1/2	3/8	100
3/16	**516289**	--	1/2	100
1/4	**516290**	11/16	7/16	100
5/16	**720267**	3/4	--	50

PAL LOCK NUTS

- **Vibration proof.**
- **Used on top of standard nuts as a double lock.**

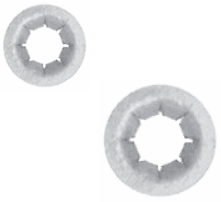
THREAD SIZE	PART NUMBER	QTY
7/16	**503371**	50
1/2	**503372**	50



PUSH NUT RETAINERS

- **Spring steel - positive locking.**
- **Push over stud for fast and easy permanent installation.**
- **Will not back off.**
- **Not reusable.**

STUD SIZE	PART NUMBER	O.D.	QTY
1/8	**503101**	3/8	100
5/32	**503102**	7/16	100
3/16	**503103**	7/16	100
1/4	**503104**	17/32	100
5/16	**503105**	5/8	100
3/8	**503106**	3/4	100
1/2	**503107**	1	50



PUSH NUT BOLT RETAINERS

- **Holds fasteners in place where hands can't reach.**
- **Insert cap screw through a panel, run bolt retainer onto threads. Cap screw, machine screw stays in place while hanging outside panel, starting nuts, etc.**

FITS THREAD SIZE	PART NUMBER	O.D.	QTY
No. 10	**720273**	7/16	100
1/4	**503160**	1/2	100
5/16	**503161**	5/8	100
3/8	**503162**	25/32	100
7/16	**503163**	27/32	100
1/2	**503164**	15/16	100



METRIC PUSH NUT RETAINERS

FITS STUD SIZE	PART NUMBER	O.D.	QTY
3.2mm	**717490***	9.5mm	50
4mm	**717491**	11mm	50
5mm	**717492**	11mm	50
6mm	**716898***	13.5mm	50

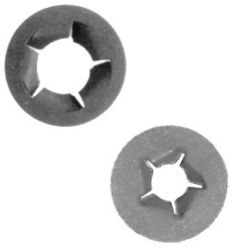
*** Zinc**



METRIC PUSH NUT BOLT RETAINERS

INSIDE DIAMETER	OUTSIDE DIAMETER	PART NUMBER	QTY
6mm	13mm	**717493**	50
6mm	17mm	**716897***	50
6.3mm	13mm	**717494**	50
8mm	16mm	**717495**	50
8mm	25mm	**503157**	50
10mm	20mm	**503173**	50
10mm	24mm	**503158**	50
12mm	21mm	**503174†**	50
14mm	25mm	**503159**	50

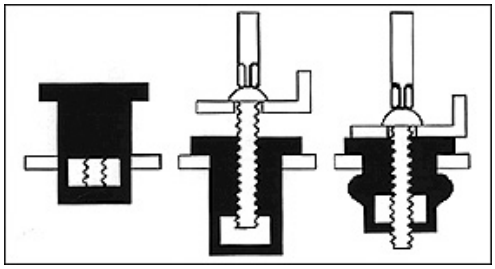
*** Dichromate. / † Zinc.**



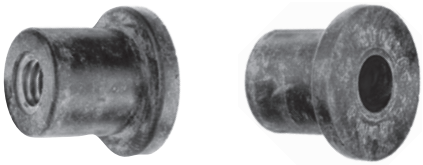
NUTS

WELL NUTS

- 'Well Nut' is a flanged neoprene bushing with a captive brass nut.
- Designed to provide a shock and vibration resistant fixing for engineering structures.
- This demountable blind screw anchor is suitable for applications of many kinds in many conditions, in materials from thin gauge metals to plastic sheet up to 16.5mm thick.
- A high rate of radial expansion even allows use in blind holes in solid materials.



No other blind fastener does all this...



PART NUMBER	THREAD SIZE	SHANK DIA.	OVERALL LENGTH	HOLE SIZE REQUIRED	QTY
503165	6-32	.312	.499	5/16	50
503166	8-32	.312	.499	5/16	50
503167	10-24	.375	.767	3/8	50
503168	10-32	.375	.807	3/8	50
503169	1/4-20	.500	.641	1/2	50
503170	1/4-20	.500	1.051	1/2	50
503171	5/16-18	.620	.725	5/8	25
503190	10-32	.375	1.051	3/8	10
503191	10-32	.377	.665	3/8	10

EXPANSION NUTS (JACK NUTS)

Body Rack Mounting Jack Nut
Zinc Finish w/Raintite



6mm-1.0 Thread
15.88mm Head
11.1-11.43mm Hole
.38-4.75mm G.R.
18.57mm O/L
GM, Universal
OE: 14007940

716776 12

Mirror Mounting Jack Nut
Zinc Finish



1/4"-20 Thread
.625" Head
.434-.450" Hole
.015-.187" G.R.
.731" O/L
Universal

717165 12

NUTS

Illustrations are actual size unless otherwise noted.



25

716793
Headlamp Bezel & Grille Nuts
12mm W, 12mm L
8 X 9mm Hole
5mm Screw
Natural Nylon
OE: 94841764, 90189-05013, MS-480002



25

717167
Headlamp Bezel Nuts
1/4 Square Hole
No. 8 Or No. 10 Screw
Natural Nylon
OE: 2524525



25

724775
Headlight Nuts
Fits: 10.5 X 11mm
Head Size: 15mm X 15mm
Stem Length: 10mm
M5.5 (No. 12) Screw Size
OE: 6508072-AA



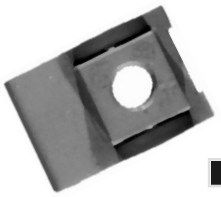
12

725532
Headlight Nuts
Fits: 10mm
Head Size: 14mm X 18.5mm
Overall Length: 15mm
Headlight Adjusting Nut
OE: 191-941-142



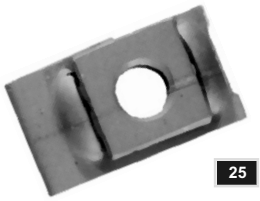
10

724955
Specialty Inserts W/sealer
Size: M6-1.0
Head Dia: 13mm
Hex Size: 9.5mm
Grip Range: .5 - 4.2mm
OE:11609292



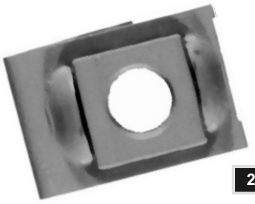
25

717150
"J" Cage Nuts
1/4-20 Screw Size
.032 - .093 Panel Range
1/2 Center Of Hole To Edge
Phosphate



25

717151
"J" Cage Nuts
5/16-18 Screw Size
.087 - .093 Panel Range
9/16 Center Of Hole To Edge
Phosphate



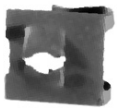
25

717152
"J" Cage Nuts
3/8-16 Screw Size
.050 - .090 Panel Range
9/16 Center Of Hole To Edge
Phosphate



50

511112
"J" Speed Nuts
No. 6 Screw Size
.090 - .110 Panel Range
9/32 Center Of Hole To Edge
Phosphate



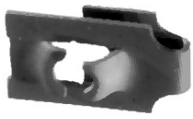
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511113
"J" Speed Nuts
No. 8 Screw Size
.025 - .040 Panel Range
9/32 Center Of Hole To Edge
Phosphate



50

511114
"J" Speed Nuts
No. 10 Screw Size
.027 - .045 Panel Range
3/16 Center Of Hole To Edge
Phosphate



50

511115
"J" Speed Nuts
No. 14 Screw Size
1/2 Panel Range



50

511116
"J" Speed Nuts
No. 14 Screw Size
.028 - .056 Panel Range
15/32 Center Of Hole To Edge
Phosphate



24

724521
Square Cage Nuts
Thread: 1/4-20
Panel Range: .093 - .126



24

724522
Square Cage Nuts
Thread: M5-0.8
Panel Range: 2.4 - 3.2mm

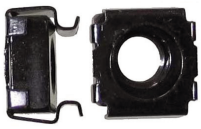


24

724523
Square Cage Nuts
Thread: M6-1.0
Panel Range: 2.4 - 3.2mm

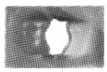
NUTS

Illustrations are actual size unless otherwise noted.



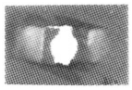
24

724524
Square Cage Nuts
Thread: M8-1.25
Panel Range: 1.6 - 2.4mm



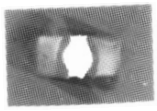
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511100
Flat Speed Nuts
No. 6 Screw Size
For Sheet Metal Screws



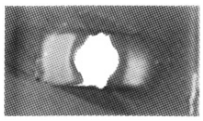
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511101
Flat Speed Nuts
No. 8 Screw Size
For Sheet Metal Screws
13/32 X 5/8
Phosphate



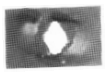
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511102
Flat Speed Nuts
No. 10 Screw Size
For Sheet Metal Screws
1/2 X 7/8
Phosphate



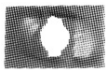
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511103
Flat Speed Nuts
No. 14 Screw Size
For Sheet Metal Screws



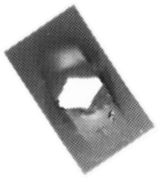
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511104
Flat Speed Nuts
6-32 Screw Size
For Machine Screws
5/16 X 1/2
Phosphate



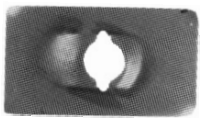
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511105
Flat Speed Nuts
8-32 Screw Size
For Machine Screws
1/2 X 7/8
Phosphate



50

511106
Flat Speed Nuts
3/16 Screw Size
For Machine Screws
7/16 X 3/4
Phosphate



50

511107
Flat Speed Nuts
1/4-20 Screw Size
For Machine Screws
9/16 X 1
Phosphate



50

51191
Flat Speed Nuts
1/16 Stud Size
Push-on For Studs
7/32 X 3/8
Phosphate



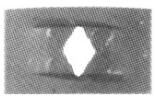
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51192
Flat Speed Nuts
3/32 Stud Size
Push-on For Studs
1/4 X 7/16
Phosphate



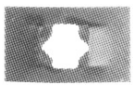
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51193
Flat Speed Nuts
1/8 Stud Size
Push-on For Studs
5/16 X 9/16
Phosphate



50

51194
Flat Speed Nuts
5/32 Stud Size
Push-on For Studs
3/8 X 9/16
Phosphate



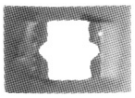
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51195
Flat Speed Nuts
3/16 Stud Size
Push-on For Studs
3/8 X 5/8
Phosphate



50

51196
Flat Speed Nuts
7/32 Stud Size
Push-on For Studs



50

51197
Flat Speed Nuts
1/4 Stud Size
Push-on For Studs
7/16 X 5/8
Phosphate

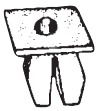
NUTS

Illustrations are actual size unless otherwise noted.



50

51199
Flat Speed Nuts
No. 4 Screw Size
For Sheet Metal Screws



25

717322
Radiator Grille Nuts
1/4 Square Hole
No. 8 Screw
White Nylon

OE: 6000943, 8934-201-263



25

718604
Body Nuts
5/16 Round Hole
No. 8 Screw
Side Marker, Headlamp &
Header Panel, Natural Nylon
OE:14013246



100

702559
License Plate Nuts
3/8 Or 9mm
1/4 (No. 14) Or 6mm Screw
Nylon 4-prong Push-in
W/ Square Head
OE: 3907444, 4755299



25

702563
License Plate Nuts
1/4 (No. 14) Or 6mm Sq. Hole
No. 10 Or 4.2mm Screw
Nylon

OE:380707-S



12

716635
License Plate Nuts
No. 12 Screw
Black Nylon

OE:6032516



50

718899
License Plate Nuts
No. 6 Or 8 Screw
Headlight Bezel
Natural Nylon

OE: 4000141, 380382



50

718903
License Plate Nuts
Fits: 3/8 Square Hole
No. 14 Screw
Front & Rear



5

720556
License Plate Nuts
Fits: 3/8 Hole
1/4 (No. 14) Screw
Door Lock Remote Control
Natural Nylon
OE:6027958



100

725599
License Plate Nuts
10mm (25/64) Hex

Nylon



25

717149
Side Mirror Nuts
Fits: 1/4 Square Hole
No. 8 Or No. 10 Screw
Headlight Door & Grille
White Nylon
OE:379830-S



12

725552
Moulding Nuts
Flange: 18.5mm
Overall Hgt: 10.5mm
5mm Stud Size; 10mm Hex
Flange Nut
OE:171-201-969



5

723096
Front Bumper Nylon Nuts
11mm Stem
16mm Head Diameter
5.5mm (No. 12) Screw
Natural Nylon
OE:62319-0W000



12

724981
Nylon Nuts
Fits: 8mm X 8mm Hole
Head Size: 16mm
Stem Length: 7mm
Natural Nylon
OE:91603-SL0-000



10

725024
Nylon Nuts
Head Size: 13mm X 13mm
Stem Length: 10mm
M4.2 (No. 8) Screw Size
White Nylon
OE: 87714-FD200, 87756-1C000



12

725085
Nylon Nuts
Head Size: 11mm X 11mm
Stem Dia: 9mm
Overall Length: 13.5mm
White Nylon
OE:86699-2D000

NUTS



25

725241
Nylon Nuts
Fits: 6mm X 6mm Hole
Screw Size: M3.5 (No. 6)
Head Size: 10mm X 10mm
Stem Length: 7mm
OE:MU480001



25

725260
Black Nylon Nuts
Fits: 8.5 X 8.5mm Hole
Screw Size: M5.5 (No. 12)
Head Size: 15mm
Stem Length: 8mm



12

725372
Nylon Nuts
Screw Size: M4.8 (No. 10)

Head Size: 14mm X 14mm
Stem Length: 7mm
OE: 66117-9000, 90930-0007



12

725373
Nylon Nuts
Fits: 7mm X 7mm Hole
Screw Size: M3.5 (No. 6)
Head Size: 10mm X 10mm
Stem Length: 5mm
OE:62731-FA000



12

725459
Nylon Nuts
Fits: 7 X 7mm Hole
Screw Size: M3.5 (No. 6)
Head Size: 10mm X 10mm
Stem Length: 7mm
OE: 81137-22530, 81150-1A750, 90075-10004



12

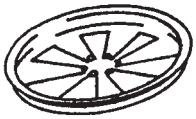
725460
Nylon Nuts
Fits: 9mm Square Hole
Screw Size: M5.5 (No. 12)
Head Size: 17mm
Stem Length: 10mm
OE:90189-06211



10

724958
Front Fender Panel Nuts
Screw Size: M6-1.0
Overall Hgt: 12mm

Zinc Organic
OE:11610544



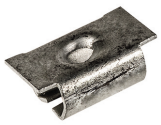
12

723048
Rear Splash Shield Push Nuts
4.5mm Stud
22mm OD
For Plastic Studs
Wheel Opening
OE:W703505-S301



50

720267
Thread Cutting Nuts
5/16 Stud



12

725205
Sheet Metal Nuts
Screw Size: M4.8-1.61 (No. 10)
Head Size: 10mm X 19mm
Overall Hgt: 7.5mm
Shield Clip Nut
OE:001-994-98-45



10

724941
Specialty Nuts
Screw Size: M6 - 1.0
Head Size: 13mm X 13mm
Stem Length: 8mm
Zinc
OE:11562503



10

724942
Specialty Nuts
Screw Size: M4.2-1.41 (No. 8)
Center Console, Door, Front Lights, Grille, Instrument Panel, Lift Gate
OE:11610157



12

724943
Specialty Push In Nuts
Screw Size: M4.2-1.41 (No. 8)
Head Size: 6mm X 16mm
Overall Hgt: 7mm
Front Bumper Specialty Nut
OE:11609952



10

725486
Specialty Nylon Nuts
Flange: 22mm
Overall Hgt: 10mm
6mm Stud Size
Cowl Vent & Fender Apron
OE:65613-07010



12

725598
Split Collar Lock Nuts
10mm-1.50 Pitch
14mm Hex

Copper Plated Steel

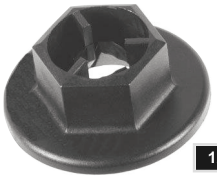


12

724756
Tubular Nuts
Fits: 8.5mm
Head Size: 16mm
Stem Length: 16mm
7mm Stud Size
OE:51-44-7-780-135

NUTS

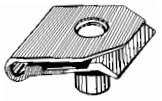
Illustrations are actual size unless otherwise noted.


12

725084
Nylon Flange Nuts
Flange: 25mm
Overall Hgt: 10mm
14mm Hex Size Cowl Trim
Black Nylon
OE:0K95A-68615


6

724554
Fender Bracket Retaining Nuts
M4.2-1.41 Screw
OE:11518531


10

716818
Extruded "U" Nuts
5mm Screw
15mm Depth
Fender Wheel & General Usage
Black
OE:20490398


25

716822
Extruded "U" Nuts
8mm-1.25 Screw
14mm Depth
1 - 1.8mm Panel Range
OE:20490398


25

717104
Extruded "U" Nuts
10-24 Thread Size
.025 - .125 Panel Range
15/32 Center Of Hole To Edge
Phosphate
OE:152273


25

717105
Extruded "U" Nuts
1/4-20 Thread Size
1/2 Panel Range


25

717106
Extruded "U" Nuts
1/4-20 Thread Size
.025 - .150 Panel Range
25/32 Center Of Hole To Edge
Phosphate
OE:45267,1494257


50

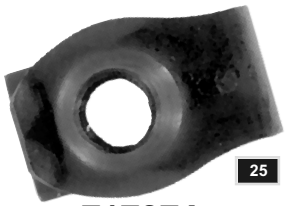
717107
Extruded "U" Nuts
5/16-18 Thread Size
.025 - .150 Panel Range
5/8 Center Of Hole To Edge
Phosphate
OE:1494253,3786805


50

717108
Extruded "U" Nuts
5/16-18 Thread Size
.025 - .150 Panel Range
7/8 Center Of Hole To Edge
Phosphate
OE: 45268-S2,10008002, 1494258


10

717109
Extruded "U" Nuts
3/8-16 Thread Size
.050 - .200 Panel Range
3/4 Center Of Hole To Edge
Phosphate
OE: 45265-S2, 12337873, 1494254


25

717274
Extruded "U" Nuts
10mm-1.50 Screw
1.0 - 6.00mm (.040 - .230) Panel
19mm (3/4) Center Of Hole To
Phosphate
OE: 11500662, 11503564, 22531616


25

717481
Extruded "U" Nuts
6.3mm-1.0 Screw
.80 - 4.00mm (.030 - .160) Panel
13.5mm (17/32) Center Of Hole
Phosphate
OE: 9433043, 11500658


12

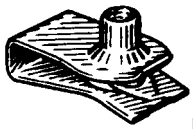
717482
Extruded "U" Nuts
8mm-1.25 Screw
.80-4.50mm(.030 -.170) Panel Range
20mm(13/16) Center Of Hole To Edge
Phosphate
OE:N623343-S2, N623343-S100, 11500661, 11503317, 11516150


12

717483
Extruded "U" Nuts
10mm-1.50 Screw
1.0 - 6.00mm (.040 - .230) Panel
19mm (3/4) Center Of Hole To
Phosphate
OE:11500662,11503564, 22531616


12

718261
Extruded "U" Nuts
6mm-1.0 Screw
.010 - .165 Panel Range
Non-locking
OE:11503957


25

720316
Extruded "U" Nuts
M5-.8 Screw
.80 - 4.00mm (.030 - .160) Panel
15.8mm (5/8) Center Of Hole To
Phosphate
OE:11500657

NUTS

Illustrations are actual size unless otherwise noted.



12

723204
Extruded "U" Nuts
M6-1.0 Screw
2.0 - 5.00mm (.079 - .197) Panel
14.5mm (9/16) Center Of Hole
Zinc Organic
OE:11516372



12

724528
Extruded "U" Nuts
M4.2-1.41 (No. 8) Screw
.65 - 3.8mm (.025 - .150) Panel
9.5mm (3/8) Center Of Hole To Edge
Locking Thread
OE:11513599



12

724602
Extruded "U" Nuts
M6-1.0 Screw
.80 - 4.00mm (.030- .160) Panel Rnge
M13.5 (17/32) Cnter Of Hole To Edge
Phosphate
OE:N623332-S2, N623332-S53, N623332-S100, 1016937, 11503957



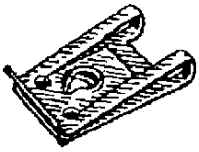
25

716861
Bumper Impact Strip Fascia "U" Nuts
1/4 Stud
OE:10018611



50

718670
Sheet Metal Extruded "U" Nuts
6mm
0.8 - 1.6mm Panel Range
Fender & Front End
OE:14044215



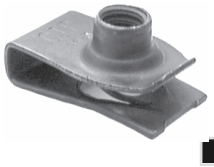
50

720217
Wide Range "U" Nuts
8-18 Screw
.025 - .150 Panel Range
5/8 Center Of Hole To Edge
Phosphate
OE: 381863-S2, 11504531, 9433155



50

720218
Wide Range "U" Nuts
8-18 Screw
.125 - .250 Panel Range
3/8 Center Of Hole To Edge
Phosphate
OE:9433156



12

720237
Wide Range Extruded "U" Nuts
1/4-20 Screw
.025 - .150 Panel Range
17/32 Center Of Hole To Edge
Phosphate
OE:1480627,1494252



12

724951
"U" Nuts
Panel Range: Up To 3.5mm
M5.5 (No. 12) Screw Size
8mm Center Of Hole To Edge
Blue Nylon
OE:9114472



12

724952
"U" Nuts
Panel Range: Up To 2mm
M5.5 (No. 12) Screw Size
12mm Center Of Hole To Edge
Orange Nylon
OE:24449408



10

725120
"U" Nuts
Screw Size: M6.3 (No. 14)
Panel Range: Up To 3mm
14mm Hole Center To Edge
Black Nylon
OE:90467-05138



10

725134
"U" Nuts
Panel Range: Up To 2mm
M4.8 (No. 10) Screw Size
10mm Center Of Hole To Edge
Bumper & Fender Apron
OE:53879-17020



12

725171
"U" Nuts
Screw Size: M4.8 (No. 10)
Panel Range: Up To 1mm
11mm Center Of Hole To Edge
Gray Nylon
OE:B455-56-135



25

717261
Metric Extruded Nuts
6mm
Short Throat
OE:11503719, N800854-S



25

717262
Metric Extruded "U" Nuts
M6-1.0 Screw
.34 - 4.00mm (.015 - .160) Panel
19.5mm (25/32) Center Of Hole
Phosphate
OE: 11503715, 11508241, 11609385



25

717266
Metric Extruded "U" Nuts
M6.3-1.0 Screw
.80 - 4.00mm (.030 - .160) Panel
13.5mm (17/32) Center Of Hole
Phosphate
OE:11502785,11503685, 11504035

NUTS

Illustrations are actual size unless otherwise noted.



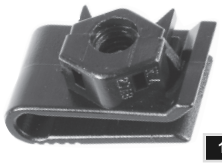
25

717271
Metric Extruded "U" Nuts
M8-1.25 Screw
.80 - 4.00mm (.030 - .160) Panel
14.5mm (9/16) Hole Center To Edge
Phosphate
OE: 6101283,11500660, 11502617, N623333-S2



12

725023
Nylon "U" Nuts
Panel Range: Up To 1.5mm
M6 (No. 14) Screw Size
8mm Center Of Hole To Edge
Black Nylon
OE:86825-28000



10

725279
Nylon "U" Nuts
Panel Range: Up To 4mm
M6 Captive Metal Hex Nut
14mm Center Of Hole To Edge
Black Nylon
OE:01241-00881



10

725461
Nylon "U" Nuts
Screw Size: M6 (No. 14)
Panel Range: Up To 2mm
12mm Center Of Hole To Edge
Left/right Front Bumper
OE: 90467-05081, 90467-A0018



10

725462
Nylon "U" Nuts
Screw Size: M6 (No. 14)
Panel Range: Up To 2mm
12mm Center Of Hole To Edge
Rear Bumper
OE:90467-05128



10

725463
Nylon "U" Nuts
Screw Size: M5.5 (No. 12)
Panel Range: Up To 2mm
11mm Center Of Hole To Edge
Front Fender Liner
OE:53879-20020



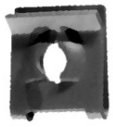
10

725464
Nylon "U" Nuts
Screw Size: M4.8 (No. 10)
Panel Range: Up To 2mm
7mm Center Of Hole To Edge
Front Fender Liner & Mudguard
OE: 76647-42010



50

511117
"U" Speed Nuts
No. 6 Screw Size
.025 - .125 Panel Range
3/8 Center Of Hole To Edge
Phosphate



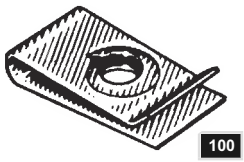
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511118
"U" Speed Nuts
No. 8 Screw Size
.025 - .040 Panel Range
1/4 Center Of Hole To Edge
Phosphate
OE:9428481



50

511119
"U" Speed Nuts
No. 10 Screw Size
.020 - .051 Panel Range
15/32 Center Of Hole To Edge
Phosphate



100

511120
"U" Speed Nuts
1/4-20 Screw Size
.064 - .125 Panel Range
9/16 Center Of Hole To Edge
Phosphate
OE:9431647



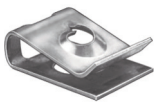
25

716802
"U" Speed Nuts
2.9mm Screw
6mm Depth
.5 - 1.5mm Panel Range
6mm Center Of Hole To Edge
OE: 0712-9-925-706



25

716803
"U" Speed Nuts
4.2mm Screw
7mm Depth
.7 - 1.6mm Panel Range
7mm Center Of Hole To Edge
OE: N15.422.2



25

716804
"U" Speed Nuts
4.2mm Screw
7mm Depth
3 - 4mm Panel Range
7mm Center Of Hole To Edge
OE: 0712-9-925-708, 000-904-24-45



25

716805
"U" Speed Nuts
4.2mm Screw
7.5mm Depth
.5 - 1.7mm Panel Range
8mm Center Of Hole To Edge
OE:000-994-04-45



25

716806
"U" Speed Nuts
4.2mm Screw
8mm Depth
.5 - 2.5mm Panel Range
8mm Center Of Hole To Edge

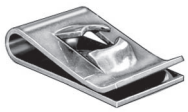
NUTS

Illustrations are actual size unless otherwise noted.



25

716807
"U" Speed Nuts
4.8mm Screw
12mm Depth
.8 - 1.7mm Panel Range
11mm Center Of Hole To Edge
OE:0711-9-916-945,
000-994-14-45



25

716808
"U" Speed Nuts
4.8mm Screw
9mm Depth
.9 - 2mm Panel Range
8mm Center Of Hole To Edge



25

716809
"U" Speed Nuts
4.8mm Screw
12.5mm Depth
.5 - 1.7mm Panel Range
7mm Center Of Hole To Edge
OE:0712-9-925-737,
000-994-06-45



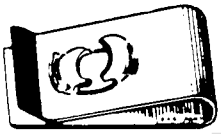
25

716810
"U" Speed Nuts
5.6mm Screw
10mm Depth
1.2 - 2.0mm Panel Range
10mm Center Of Hole To Edge
OE:0712-9-925-720



25

716811
"U" Speed Nuts
6.3mm Screw
13mm Depth
.7 - 1.5mm Panel Range
13mm Center Of Hole To Edge
OE:000-994-09-45, 20-72-175,
946-418



25

716819
"U" Speed Nuts
6.3mm Screw
14mm Depth

OE:11508248



25

716820
"U" Speed Nuts
4.2mm Screw
9mm Depth

OE:14015876



50

720216
"U" Speed Nuts
8-18 Screw
.025 - .150 Panel Range

OE:9431530



12

724094
"U" Speed Nuts
4.2mm (No. 8) Screw
14mm Center Of Hole To Edge
.5 - 2.5mm Panel Range
Zinc & Yellow
OE:123-994-08-45

RETAINERS

Illustrations are actual size unless otherwise noted.



12

725531
Retainers
Head Size: 14mm
Stem Dia: 7mm X 9mm
Stem Length: 18mm
Door Side Panel, Luggage Compart.
OE:801-867-299-01C



12

725490
Weatherstrip Clips
Bottom Head Dia: 12mm
Top Head Dia: 9mm
Stem Dia: 7mm
Stem Length: 13mm
OE:67869-12050



12

720539
Front Cowl Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 6mm
Stem Dia: 10mm
Black Nylon
OE:91501-SL4-003



25

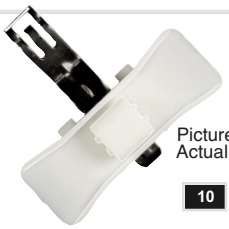
725036
Retainers
Overall Length: 21mm
Trim Panel & Dash Console Clip

White Nylon
OE:84747-2L000



12

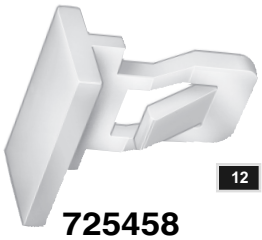
725481
Hood To Cowl Top Seal
Bottom Head Dia: 7mm X 13mm
Top Head Dia: 7.5mm
Stem Dia: 13mm
Black Nylon
OE:90467-08101



Picture Not Actual Size

10

725200
Nylon & Metal Retainers
14.5mm X 47mm
Overall Length: 43mm
Black Phosphate Plated Steel
Front & Rear Door
OE:124-988-94-78



12

725458
Moulding Retainers
Head Size: 13 X 26mm
Stem Length: 25mm
Front & Rear Bumper
White Nylon
OE:76853-10010



25

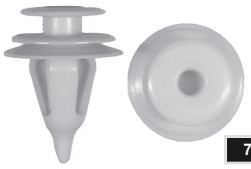
716303
Side Door Moulding Retainers
Bottom Head Dia: 3/8
Top Head Dia: 9/32
Stem Dia: 1/2

OE:20455900



100

52616
Door Trim Panel & Headliner
Bottom Head Dia: 3/4
Top Head Dia: 11/16
Stem Dia: 5/16
Stem Length: 1/2
OE:2064891, 9818648, 9883583



7

720776
Door Trim Panel & Lower
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 17mm
OE: 95008221, 67771-30090



12

723213
Side Door Trim Panel
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 14mm
OE:6505918AA



7

720523
Grille To Fascia Retainers

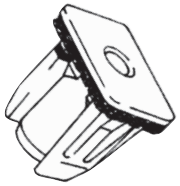
Phosphate

OE:4676356



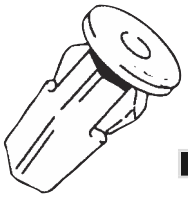
10

724755
Trim Plug Retainers
Head Size: 15mm X 17mm
Stem Length: 7mm
Overall Length: 11mm
Door Lateral Trim Grommet
OE:07-14-9-158-194,
51-41-821-58-06



6

724515
Tail Lamp Grommets W/sealer
Head Dia: 13 X 20mm
Overall Length: 19mm
Fits: 9 X 16mm Hole
Blue Nylon
OE:11561382,11610198



7

720630
Screw Grommets
16mm Flange
Fits: 9mm Square Hole
5.5mm Screw
Front & Rear Wheel Fender Liner
OE:94854203, 90189-06028

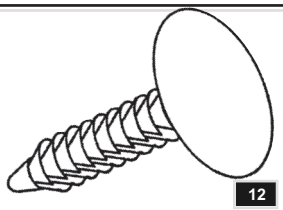


6

724545
Specialty Inserts W/sealer
Thread: M6-1.0
Head Dia: 17mm
Hex: 9.5mm
Grip Range: .7 - 3.17mm
OE:6509106-AA

RETAINERS

Illustrations are actual size unless otherwise noted.



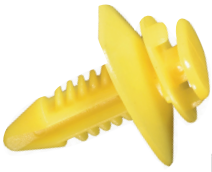
723346
Interior Trim & Garnish
Bottom Head Dia: 1”
Top Head Dia: 5/16
Stem Dia: 1-1/2
Blue Nylon
OE:N806344-S



725022
Moulding Retainers
Screw Size: M3.5 (No. 6)
Head Size: 13mm X 13mm
Stem Dia: 13.5mm
Stem Length: 8mm
OE:87756-34520



724930
Retainer Nuts
Overall Hgt: 7mm
13mm Hex
Grille Retainer Nut
Black Nylon
OE:11610748



716301
Side & Rear Door Trim
Bottom Head Dia: 3/4 X 7/8
Top Head Dia: 9/32 X 19/32
Stem Dia: 5/16
Stem Length: 3/4
OE:15588024,15596301



720371
Shield Retainers
Bottom Head Dia: 3/4
Top Head Dia: 5/16
Stem Dia: 1-1/16
Wiring Harn./hdliner/tailgate/air Cleanr
OE:15975244



720372
Shield Retainers
Fits: 15/64 (6mm) Hole
OE:20709017



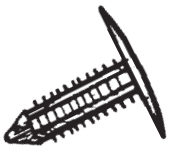
720373
Shield Retainers
Fits: 7/64 (2.5mm) Hole
OE:20729523



720374
Shield Retainers
Fits: 5/16 (7.8mm) Hole
OE:34202335



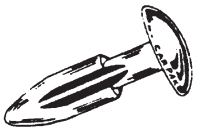
720376
Shield Retainers
Bottom Head Dia: 23/64
Top Head Dia: 3/16
Stem Dia: 7/16
Black Nylon
OE:10063599



720378
Shield Retainers
Fits: 13/64 (5.3mm) Hole
Black Nylon
OE:N801994-S100



720381
Shield Retainers
Bottom Head Dia: 5/8
Top Head Dia: 1/4
Stem Dia: 3/4
Fender & Bumper
OE:6501948



718647
Drive Rivet Retainers
Fits: 5mm Hole
7mm Washer Face
Taillight Lens
OE:16500283



725442
Retainer Fenders
Fits: 10 X 16mm Hole
Overall Hgt: 18mm
Front Fender
Dark & Light Gray Nylon
OE:53867-47020



718100
Moulding Clips
Bottom Head Dia: 1/2
Top Head Dia: 9/32
Stem Dia: 11/16
Rear Window
OE:7703-077-066



718654
Seat Back Retainers
Bottom Head Dia: 25/32
Top Head Dia: 5/16
Stem Dia: 15/16
Black Nylon
OE:20319841



723317
Rocker Panel & Garnish
Head Dia: 20mm
Stem Dia: 8mm
Fits: 7mm Hole
Black Nylon
OE: 88970494, 88973676, 90467-07168

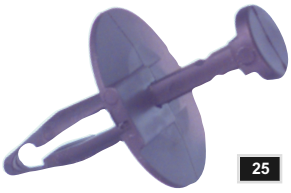
RETAINERS

Illustrations are actual size unless otherwise noted.



717612
Drive Type Rivet Retainers
12mm Washer Face
Fits: 5mm Hole
Trim Panel

OE:90467-06054



718423
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Splash Shield & Fascia
OE: N802781-S, 14093088



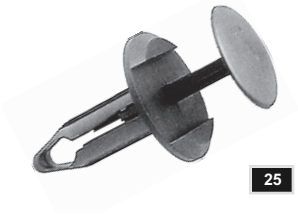
718427
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 7/8 (22mm)
Fits: 5/16 (8mm) Hole
Shoulder: 1/8(3.2mm)
OE: 6501590, N803421-S



718679
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE: 34202672, 20510029, N803362-S



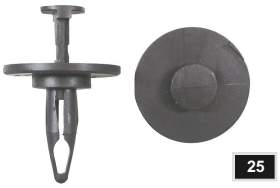
718728
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 5/8 (16mm)
Fits: 1/4 (6.4mm) Hole
Cowl Ldge, Wtherstrip & Fnder Liner
OE: 6031390, 387843S, 472434, 480534



718732
Drive Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 23mm
Fits: 7mm Hole
Fascia
OE:N803716-S



718733
Drive Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 23mm
Fits: 6mm Hole
Fascia
OE: N803709-S,15681408



718734
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 15/16 (24mm)
Fits: 1/2 (12.7mm) Hole
Shoulder: 1/8(3.2mm)
OE:14101262



718736
Drive Type Rivet Retainers
15mm Washer Face
Fits: 7mm Hole
Trim Attachments

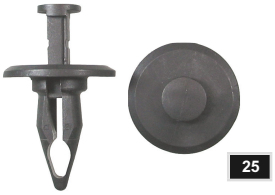
OE:10116-41810



718738
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/16 (11mm)
Fits: 9/32 (7.1mm) Hole
Grille
OE:6031383



718739
Drive Type Rivet Retainers
Head Dia: 21/32 (16.7mm)
Stem Dia: 9/16 (14.3mm)
Fits: 5/16 (8mm) Hole
Rad Overflow/ Windshld Wash Bottle
OE:14019226,14071289



718744
Drive Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 1/2(12.7mm)
Fits: 1/8 (3.2mm)
Bumper Fascia
OE:22535007



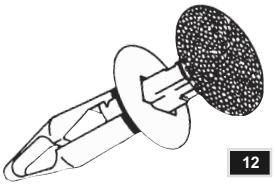
720333
Drive Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 23mm
Fits: 9.5mm (3/8) Hole
Front Bumper Fascia
OE:10157900,11517803, 15993201



720335
Drive Type Rivet Retainers
14mm Stem Length
22mm Flange
Fits: 12.5mm Hole
Rear Bumper Fascia
OE:10082553



720585
Drive Type Rivet Retainers
Head Dia: 17/32 (13.5mm)
Stem Dia: 1-5/64 (27.5mm)
Fits:1/4 (6.4mm) Hole
Rear Door Radio Speaker
OE:15960621



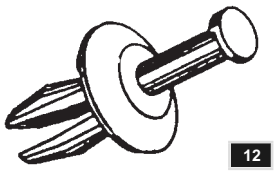
720586
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 21mm
Fits: 9mm Hole
Rear Bumper Cover
OE:15153415

RETAINERS

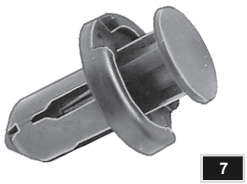
Illustrations are actual size unless otherwise noted.



720608
Drive Type Rivet Retainers
Head Dia: 23/32 (18.3mm)
Stem Dia: 29/32 (23mm)
Fits: 5/16 (8mm) Hole
Fascia
OE:6504521



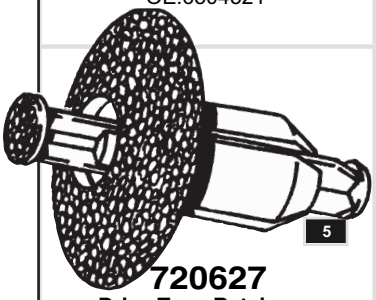
720609
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 5/8 (16mm)
Fits: 1/4 (6.4mm) Hole
Front Bumper Fascia
OE:6503454



720619
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 18mm
Fits: 10mm Hole
Front & Rear Bumper
OE:91503-SZ5-003



720620
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 13mm
Fits: 10mm Hole
Black Nylon
OE:91503-SZ3-003



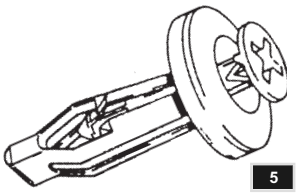
720627
Drive Type Retainers
Head Dia: 17mm
Stem Dia: 9mm
Fits: 7mm Hole
Black Nylon
OE:90467-07117



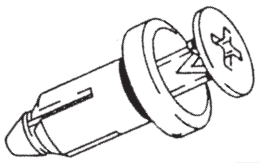
720637
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Black Nylon
OE:01553-09321,MR328954



720767
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 10mm
Fits: 8mm Hole
Front Fender
OE:91501-S04-003



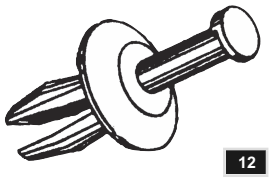
720794
Drive Type Rivet Retainers
Head Dia: 19mm
Stem Dia: 26mm
Fits: 9mm Hole
Black Nylon
OE:90467-09143



720795
Drive Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 12mm
Fits: 9mm Hole
Bumper Cover
OE:90467-09145



720901
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 11mm
Fits: 8mm Hole
Front Fender & Bumper Support
OE: 91512-SX0-003, MU000319



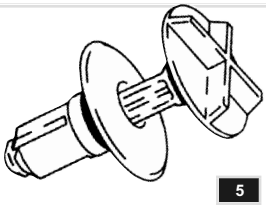
723025
Drive Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits: 1/4 (6.4mm) Hole
Front Fender Mud Skirt & Fender
OE: 34201621, 6504090,14019205, 14019206, 16514113, 8934-201-621, E3DZ-14A163A



723091
Drive Type Retainers
Head Dia: 11mm
Stem Dia: 10mm
Fits: 8mm Hole
Front Bumper Cover
OE:90657-SB0-003



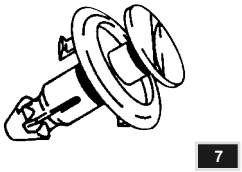
723119
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 10mm
Fits: 7mm Hole
Fender Splash Shield
OE:90467-07164



723177
Drive Type Rivet Retainers
Head Dia: 24.5mm
Stem Dia: 14mm
Fits: 9mm Hole
Radiator Sight Shield
OE: W705957-S300, W706519-S300



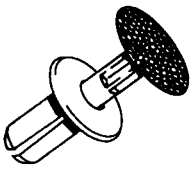
723186
Drive Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 8mm Hole
Bumper Clip
OE:01553-09611,90467-08185



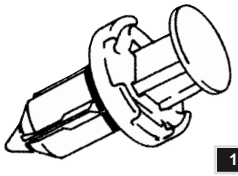
723191
Drive Type Rivet Retainers
8.5mm Stem Length
20mm Flange
5mm Panel Range
Fits: 7mm Hole
OE:90467-07195

RETAINERS

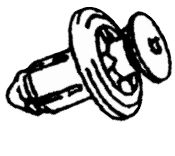
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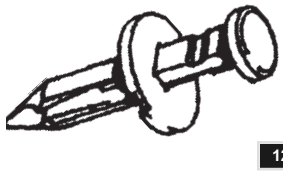
723207
Drive Type Retainers
Head Dia: 14mm
Stem Dia: 12mm
Fits: 7mm Hole
Bumper Cover & Garnish
OE:MR478262



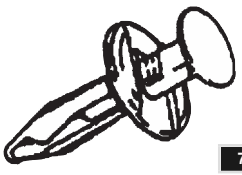
723208
Drive Type Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 9mm Hole
Fender & Bumper
OE:MR200300



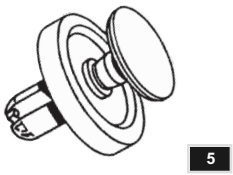
723209
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Mud Guard
OE:BC1D-56-145



723308
Drive Type Rivet Retainers
Head Dia: 16.5mm
Stem Dia: 27mm
Fits: 8mm Hole
Bumper & Rear Wheel Apron
OE:15994165



723309
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 26mm
Fits: 8mm Hole
Bumper Cover & Fender Shield
OE:W708530-S300,11518017



723368
Drive Type Retainers
Head Dia: 18mm
Stem Dia: 7.5mm
Fits: 7mm Hole
Front Fender Liner
OE:88970767,90467-10183



723374
Drive Type Retainers
Head Dia: 20mm
Stem Dia: 14mm
Fits: 10mm Hole
Grille Mounting
OE:91503-S0K-A01



724133
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 20mm
Fits: 8mm Hole
Air Baffle To Under Carriage
OE:15969147,21030249,
6503598, N807389-S



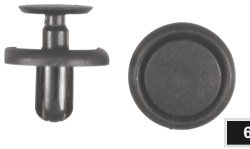
724203
Drive Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 7mm
Fits: 7mm Hole
Fender Liner
OE:53879-60010



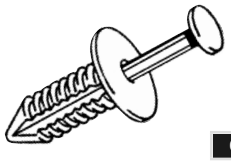
724250
Drive Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 8mm
Fits: 8mm Hole
Black Nylon
OE: 91545-SE0-003,
63848-01G00-A



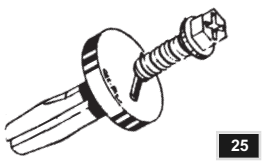
724451
Drive Type Rivet Retainers
31mm Stem Length
18mm Flange
3.5-10mm Panel Range
Fits: 9mm Hole
OE:52161-20010



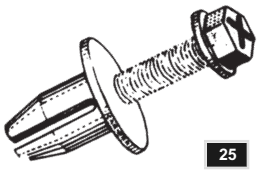
724461
Drive Type Rivet Retainers
10mm Stem Length
20mm Flange
2.2-6.5mm Panel Range
7mm Hole
OE:90467-07201



724509
Drive Type Rivet Retainers
Head Dia: 16mm
Stem Dia: 18mm
Fits: 7mm Hole
Black Nylon
OE:124-990-04-92



718429
Screw Type Rivet Retainers
Head Dia: 3/4 (19mm)
Stem Dia: 1/2 (12.7mm)
Fits: 1/4 (6.4mm) Hole
Under Hood
OE:N802737-S



718672
Screw Type Rivet Retainers
Head Dia: 43/64(17mm)
Stem Dia: 23/64 (18.3mm)
Fits: 5/16 (8mm) Hole
Front Compartment & Spare Tire
OE:20451119,63844-01A99



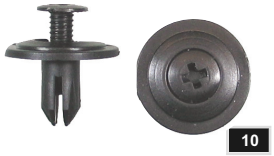
718710
Screw Type Rivet Retainers
Head Dia: 9/16 (14mm)
Stem Dia: 5/8 (16mm)
Fits: 1/4 (6mm) Hole
Cowl Panel To Reinforcement
OE:94051993,66860-01W01

RETAINERS

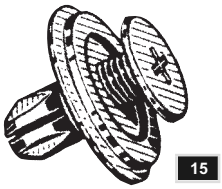
Illustrations are actual size unless otherwise noted.



718711
Screw Type Rivet Retainers
Head Dia: 15mm
Stem Dia: 11mm
Fits: 6mm Hole
Black Nylon
OE: 90684-SA5-003, 10998-30880, 894-298-1190



718712
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 11mm
Fits: 6mm Hole
Black Nylon
OE:90668-SB0-003



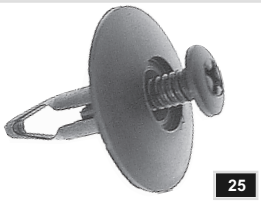
718713
Screw Type Rivet Retainers
Head Dia: 22mm
Stem Dia: 14mm
Fits: 11mm Hole
Bumper & Fascia
OE:01553-03101



718715
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 6mm Hole
Black Nylon
OE:1395-68-676, 80915-29A66, 894-243-1900, 9926-50-635



718716
Screw Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8 (22mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:6502871,N803946-S



718717
Screw Type Rivet Retainers
Head Dia: 1" (25.4mm)
Stem Dia: 29/32 (23mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:N804837-S



718718
Screw Type Rivet Retainers
Head Dia:15/32 X 15/32 (12 X 12mm)
Stem Dia: 21/32 (16.7mm)
Fits: 1/4 X 1/4 (6.4mm X 6.4mm)
Fascia, Trim & Grille
OE: N803494-S,15679091



718720
Screw Type Rivet Retainers
Head Dia: 14mm
Stem Dia: 11mm
Fits: 7mm Hole
Black Nylon
OE:94198687,90467-06017-20, 90657-SA6-0030, N304-13-356-A



718721
Screw Type Rivet Retainers
Head Dia: 19/32 (15mm)
Stem Dia: 13/16 (20.6mm)
Fits: 5/16 (8mm) Hole
Black Nylon
OE:10053182



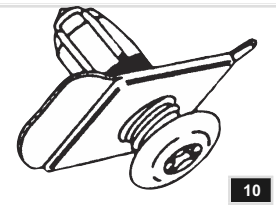
718722
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Black Nylon
OE:90675-SB3-003, 63876-95596, FB01-56-964



718723
Screw Type Rivet Retainers
Head Dia: 25/32 (20mm)
Stem Dia: 23/32 (18mm)
Fits: 5/16 (8mm) Hole
Inner Fender
OE:NA01-56145,63844-01A00, MNA01-56-145,NA01-56-145



718725
Screw Type Rivet Retainers
21mm Washer Face
9-15mm Grip Range
Fits: 10mm Hole
Various Panel Attachments
OE:1633999



718726
Screw Type Rivet Retainers
11mm Stem Length
30 X 20mm Head
2-7mm Grip Range
Fits: 10mm Hole
OE:E7GZ-17A904-B, BF67-50-033



720629
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 26mm
Fits: 9mm Hole
Bumper Cover
OE:90467-09127



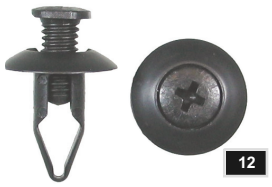
720669
Screw Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 11/16 (17.5mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:N808147-S,10139822, 25680782



723047
Screw Type Rivet Retainers
17.5mm Stem Length
16mm Flange
1.6-6mm Panel Range
Fits: 6mm Hole
OE:YS4Z-16K262-AA

RETAINERS

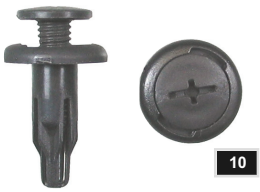
Illustrations are actual size unless otherwise noted.



723059
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 8mm
Bumper Cover
Black Nylon
OE:W706713-S300



724117
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 8mm Hole
Black Nylon
OE:W705845-S300,B092-51-833



724251
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 21mm
Fits: 8mm Hole
Black Nylon
OE:90505-SM4-003



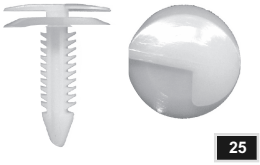
724252
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 27mm
Fits: 10mm Hole
Black Nylon
OE:91502-SM4-000



724255
Screw Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 8mm Hole
Fender Splash Shield
OE:91512-SM4-003



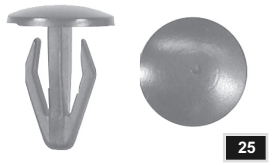
724262
Screw Type Rivet Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 6mm Hole
Cowl
OE:91524-SE0-003



716317
Conduit To Sheet Metal
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 1-1/8
OE:20451401



716329
Hood Seal Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7.5mm
Stem Dia: 11mm
Black Nylon
OE: 90467-08004, 90467-08011, 94842841, 94849113



716330
Retaining Clips
Bottom Head Dia: 14mm
Top Head Dia: 10mm
Stem Dia: 16mm
Black Nylon
OE:76906-T3000, 90467-11005



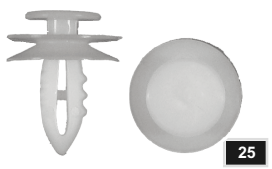
716679
Door Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:67771-22010



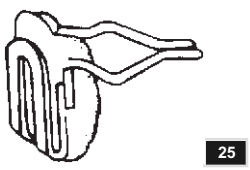
716680
Door Panel Retainers
Bottom Head Dia: 16mm
Top Head Dia: 12.5mm
Stem Dia: 8.5mm
Stem Length: 11mm
OE:67771-22020



717211
Door Weatherstrip Retainers
Bottom Head Dia: 3/16 X 1/2
Top Head Dia: 3/16
Stem Dia: 5/8
Natural Nylon
OE:C5AB-6220586A



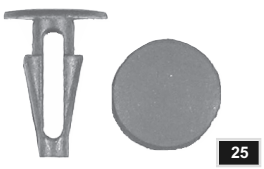
717214
Interior Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 1/2
Stem Dia: 11/32
Stem Length: 9/16
OE:387477-S



717215
Anti-rattle Foam Wedge
OE:383035-S100



717610
Retaining Clips
Bottom Head Dia: 20mm
Top Head Dia: 11mm
Stem Dia: 16mm
Black Nylon
OE:01553-00051



717620
Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7mm
Stem Dia: 15mm
Black Nylon
OE:01553-00172, 90467-07050

RETAINERS

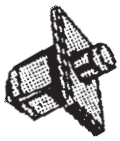
Illustrations are actual size unless otherwise noted.



50

718227
Grille Plate Holddown

OE:6032832



15

718727
Push Pin Type Rivet Retainers
Head Dia: 8mm X 12mm
Stem Dia: 8mm
Fits: 6mm X 6mm Hole
Cowl Grille Retainer
OE:66814-01G00



25

718729
Front Bumper Fascia Rivet
Head Dia: 17mm
Stem Dia: 18mm
Fits: 9.5mm (3/8) Hole
Shoulder: 2mm
OE:1636632,20687704



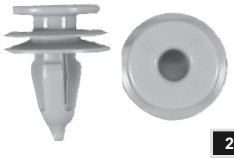
12

720334
Rear Bumper Fascia Retainers
Head Dia: 27/32 (21mm)
Stem Dia: 1" (25mm)
Fits: 1/2 (12mm) Hole
Shoulder: 1/8(3mm)
OE:10140480,6502625



25

720580
Door Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 5mm Hole
Stem Dia: 9mm Hole
Natural Nylon
OE:10283414,10405030



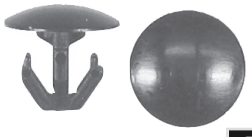
25

720733
Door Trim Panel Retainers
Bottom Head Dia: 23/32
Top Head Dia: 19/32
Stem Dia: 5/16 Hole
Stem Length: 5/8
OE:6503204



12

720741
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm Hole
Stem Length: 15mm
OE:6505292AA, W706812-S300



7

720762
Hood Seal Retainers
Bottom Head Dia: 12mm
Top Head Dia: 8.5mm
Stem Dia: 9mm
Black Nylon
OE: 91518-SM4-003



5

720796
Bumper Push Type Retainers
Head Dia: 18mm
Stem Dia: 15mm
Fits: 10mm Hole
Black Nylon
OE:01553-09241



12

720967
Hood To Cowl Seal Retainers
Bottom Head Dia: 6mm X 16mm
Top Head Dia: 5mm Hole
Stem Dia: 15mm
White Nylon
OE:65810-K2009



12

721016
Hood Seal Retaining Clips
Bottom Head Dia: 11mm
Top Head Dia: 7mm
Stem Dia: 8mm
Black Nylon
OE:91518-S10-003



10

721034
Front Air Deflector Retainers
30mm Flange, 24mm Stem
18 X 26mm Head
Black Nylon

OE:15733971



12

721036
Door Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 8.5mm
Stem Length: 14mm
OE:6505539-AA



5

723205
Door & Interior Trim Panel
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 9.5mm
OE:MG350-68AB1,G350-68-AB1



12

723212
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:6505759AA, 20003056



12

723231
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:6505759AA, 20003056

RETAINERS

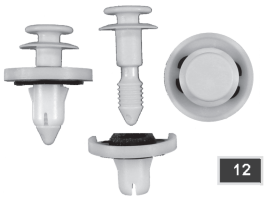
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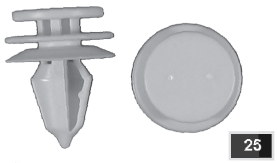
723336
Door Trim Panel Retainers
Bottom Head Dia: 22mm
Top Head Dia: 16mm
Stem Dia: 9mm
Stem Length: 15mm
OE:5023173AA



723358
Door Panel Retainers
4.5mm Trim Thk., 28.5mm O/L
19.5mm Up. Hd., 2.5mm Pnl Rng
Fits: 10mm Hole
Black Nylon
OE:11519030



723364
Door Panel Retainers
3mm Trim Thk.
13mm Uppper Pin Head
24mm Flange
1mm P.r., 32mm Overall Length
OE: 10363811, 22699649, 22704458, 22713392, 22722859, 22722860



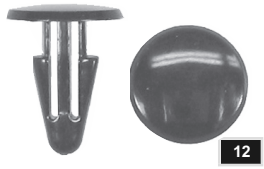
724005
Door Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 10mm
Stem Length: 15mm
OE:6507055AA, 6507686AA



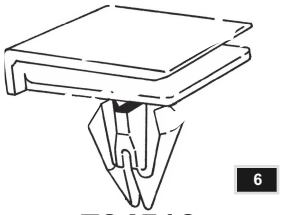
724188
Door Panel Retainers
25mm O/l; 18mm Head
1.5 - 11.5mm Panel Range
Fits: 7mm Hole
OE:11588863



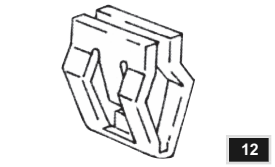
724240
Retaining Clips
Bottom Head Dia: 30mm
Top Head Dia: 8mm
Stem Dia: 17mm
Black Nylon
OE:90467-09008



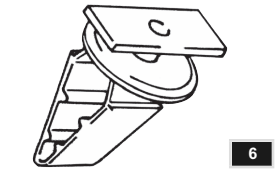
724261
Retaining Clips
Bottom Head Dia: 13mm
Top Head Dia: 7.5mm
Stem Dia: 15mm
Black Nylon
OE:90687-SA5-0030



724510
Rocker Moulding Retainers
Bottom Head Dia: 19/32 X 1-1/32
Top Head Dia: 3/4 X 1-1/32
Fits: 3/8 Hole
Stem Length: 9/16
OE:11589176



724513
Moulding Retainers
11mm Width; 14mm Length
Rear Bumper
OE:11561857



724520
Cowl Vent Retainers
Head Dia: 10 X 14mm
Overall Length: 18.5mm
Fits: 7mm Hole
Trim Thickness: 2.8mm
OE:90602-SLJ-003, 90603-SLJ-003



724708
Retainers
Top Head: 10mm X 14mm
Bottom Head: 16mm
Stem Dia: 8mm
Stem Length: 13mm
OE:90602-TA0-003



724730
Retainers
Head Size: 18mm
Stem Dia: 9mm
Stem Length: 15mm
Trim Panel & Trunk Lining
OE:51-48-8-181-420



724735
Locking Retainers
Head Size: 18.5mm
Stem Length: 21mm
Floor Mat Lock Retainer
With Washer Dia. 20.5mm
OE:51-47-1-881-521,51-47-2-499-935, 51-47-8-116-564, 51-47-8-183-031



724750
Retainers W/ Rubber O-ring
Head Size: 25mm
Stem Dia: 9.5mm
Stem Length: 16mm
14mm Shoulder Diameter
OE:51-77-7-171-003



724751
Retainers W/ Sealer
Top Head: 14mm
Middle Head: 15.5mm
Bottom Head: 18mm
Stem Dia: 9.5mm
OE:51-41-0-407-984, 51-41-8-224-768



724752
Retainers W/ Sealer
Top Head: 12mm
Bottom Head: 18mm
Stem Dia: 9.5mm
Stem Length: 16mm
OE:51-77-7-171-002

RETAINERS

Illustrations are actual size unless otherwise noted.


12

724753
Retainers
Top Head: 18mm
Bottom Head: 18mm
Stem Dia: 5mm X 8mm
Stem Length: 18mm
OE:51-12-7-004-445,
51-47-1-945-266


10

724770
Retainers
Head Size: 35mm
Stem Length: 14mm
Overall Hgt: 28mm
Bumper Retainer
OE:68033794-AA


10

724789
Tail Light Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 13mm
OE:68061648-AA


10

724822
Heater Hose Coupler Retainers
Overall Hgt: 3/4
For 3/4 Heater Hose

Gray Nylon
OE:1R3Z-18D434-BA


12

724842
Lift Gate Trim Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 12mm
Stem Length: 14mm
OE:W709995-S300


12

724843
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm


10

724854
Tail Lamp Retainers
Fits: 8mm Square Hole
Top Head: 15mm
Bottom Head: 18mm
Stem Length: 12mm
OE:W713579-S300



10

724877
Door Panel Retainers
Bottom Head Dia: 19.5mm
Top Head Dia: 24mm
Grommet Flange: 26mm
Stem Length: 12mm; Fits Into
OE:11571118



10

724878
Door Panel Retainers
Bottom Head Dia: 19.5mm
Top Head Dia: 24mm
Grommet Flange: 26mm
Stem Length: 12mm; Fits Into
OE:11571119


10

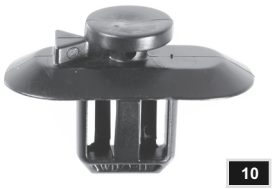
724916
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 10mm
Stem Length: 14mm
OE:11561654


12

724918
Retainers
Bottom Head Dia: 17mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 14mm
OE:13252119


12

724919
Retainers
Bottom Head Dia: 17mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 13mm
OE:13252118


10

724920
Retainers
Top Head: 12mm
Bottom Head: 17mm X 34mm
Stem Length: 15mm
Rear Hatch Sill Plate Retainer
OE:11609483


12

724923
Retainers
Bottom Head Dia: 12mm
Top Head Dia: 13mm
Stem Dia: 8mm
Stem Length: 25mm


12

724927
Retainers
Bottom Head Dia: 17mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 14mm
OE:11610605


12

724928
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 14mm
Stem Dia: 9mm
Stem Length: 10mm
OE:10369649

RETAINERS

Illustrations are actual size unless otherwise noted.



724935
Retainers W/ Sealer
Bottom Head Dia: 18.5mm
Top Head Dia: 19.5mm
Stem Dia: 11mm
Stem Length: 16mm
OE:15931605



724936
Retainers
Bottom Head Dia: 17mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 14mm
OE:11610606



724937
Retainers
Fits: 10 X 10.5mm Hole
Head Size: 18mm X 20mm
Stem Dia: 30mm
Overall Length: 32mm
OE:13365058



724954
Interior Trim Retainers
Bottom Head Dia: 20mm
Top Head Dia: 19mm
Stem Dia: 9mm
Stem Length: 19mm
OE:11562568



724987
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 11mm
OE:91560-SZW-003



724988
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 12mm
OE:91560-SZW-J01



725028
Retainers
Bottom Head Dia: 16mm
Top Head Dia: 13mm
Stem Dia: 10mm
Stem Length: 12mm
OE:85849-3B000



725030
Retainers W/ Sealer
Top Head: 15mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 10.5mm
OE:87378-3N000



725031
Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 9mm
OE:82315-22000



725032
Retainers W/ Sealer
Top Head: 13mm
Middle Head: 15mm
Bottom Head: 18.5mm
Stem Dia: 10.3mm
OE:82315-36000



725033
Retainers
Top Head: 14mm
Middle Head: 15mm
Bottom Head: 16mm
Stem Dia: 10.3mm
OE: 85495-2E050



725034
Retainers
Top Head: 13mm
Middle Head: 15mm
Bottom Head: 18mm
Stem Dia: 11mm
OE:82315-2P000



725035
Retainers
Top Head: 15mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 10.7mm
OE:82315-33020



725037
Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 15mm
Stem Dia: 9.6mm
OE:85506-4A000



725064
Retainers
Bottom Head Dia: 8mm
Top Head Dia: 5.3mm
Stem Dia: 7mm
Black Nylon
OE:80850-CA003



725088
Retainers
Head Size: 25mm X 30mm
Stem Length: 15mm
Overall Length: 35mm
Bumper Cover Clip W/sealer
OE:86591-25000

RETAINERS

Illustrations are actual size unless otherwise noted.



12

725103
Retainers
Top Head: 13mm
Bottom Head: 17.5mm
Stem Dia: 10.5mm
Stem Length: 15mm
OE:1008068, 7M0-867-299-K, 7M3-867-299, DYC500020



10

725122
Bumper Cover Pins
Diameter: 10mm
Stem Length: 24mm

Black Nylon
OE:47749-50090



10

725167
Retainers
Bottom Head Dia: 18.5mm
Top Head Dia: 14mm
Stem Dia: 12mm
Stem Length: 13mm
OE:TD12-51-SJ3A



12

725169
Retaining Clips
Bottom Head Dia: 9mm
Top Head Dia: 5.5mm
Stem Dia: 7mm
Black Nylon
OE:BP4K-58-762



12

725245
Retainers W/ Sealer
Top Head: 12mm
Bottom Head: 16mm
Stem Dia: 8mm X 8mm
Stem Length: 14mm
OE:MR322000



10

725261
Retainers W/ Sealer
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 10mm
OE:85284-4J500



12

725287
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12.5mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:84953-JA00A



12

725289
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 13mm
OE:80999-VE000, 01553-09791



12

725315
Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 8.5x9mm
OE:6822.LL



12

725317
Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 12mm
OE: 6991.S6, 77-03-077-468



10

725392
Retainers
Head Size: 30mm
Stem Dia: 6.5mm
Stem Length: 13mm
Black Nylon
OE:90814-FC001



12

725394
Retainers
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 11mm
OE:90913-0034



12

725395
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.3mm
Stem Length: 10mm
OE:69300-5370



10

725398
Retainers W/ Sealer
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:90913-0213



12

725400
Retaining Clips
Head Size: 9.3 X 14.5mm
Stem Dia: 7mm
Stem Length: 16mm
Front Hood Cowl
OE:91167-FA010



12

725473
Retainers
Top Head: 13mm
Bottom Head: 18mm
Stem Dia: 9.5mm
Stem Length: 13mm
OE:75867-33030, 75867-AA010

RETAINERS

Illustrations are actual size unless otherwise noted.



12

725474
Hood Seal Retainers
Bottom Head Dia: 13mm
Top Head Dia: 7mm
Stem Dia: 10mm
Black Nylon
OE:90080-46010



12

725476
Cowl Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm X 18mm
Stem Dia: 10.7mm
Stem Length: 12mm
OE:90467-09212



12

725479
Dash& Fender Apron Retainer
Bottom Head Dia: 16.5mm
Top Head Dia: 9mm
Stem Dia: 13mm
Black Nylon
OE:90467-10186



12

725512
Retainers
Top Head: 13mm
Middle Head: 13mm
Bottom Head: 17mm
Stem Dia: 8mm
OE:30653441



12

725535
Locking Pin Retainers
Head Size: 15.7mm
Overall Length: 27mm
Shoulder Dia: 8.8mm
Shoulder Len: 6.5mm
OE:N90565301,N90642001



12

725562
Retainers
Bottom Head Dia: 19mm
Top Head Dia: 28mm
Stem Dia: 9mm
Green & Black Nylon
OE:1H0-868-243



12

725564
Interior Trim Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13.5mm
Stem Dia: 9mm
Stem Length: 14mm
OE:703-867-299



12

725566
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 14mm
OE:7L5-853-994



10

725567
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12mm
Stem Dia: 10mm
Stem Length: 12mm
OE:357-853-585-A



12

725569
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12mm
Stem Dia: 10mm
Stem Length: 16mm
OE:357-853-575



12

725570
Retainers
Head Size: 25mm
Stem Length: 22mm
Front Fender, Bumper & Engine
Black Nylon
OE:4A0-805-121-A



12

725572
Retainers
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 11mm
OE:8E0-867-276



12

725590
Retainers
Top Head: 13mm
Bottom Head: 17.5mm
Stem Dia: 10mm
Stem Length: 16mm



25

720807
Trim Brd Retainer Frnt & Rear Door
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:30006620, 95008221, 67771-12050



12

725371
Moulding Retainers W/ Sealer
Bottom Head Dia: 18mm
Top Head Dia: 11mm X 15mm
Stem Dia: 9.7mm
Stem Length: 12mm
OE:90913-0007



10

720933
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 22mm
Top Head Dia: 16mm
Stem Dia: 9mm
Stem Length: 15mm
OE:5023111AA

RETAINERS

Illustrations are actual size unless otherwise noted.



720961
Door Trim Pnl Retainer / Sealer
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 8mm
Stem Length: 18mm
OE:55350747AB



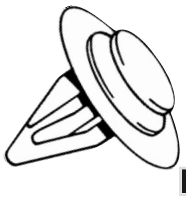
723250
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 8.5mm X 8.5mm
Stem Length: 15mm
OE:90467-09206



724019
Door Trim Pnl Retainer / Sealer
Bottom Head Dia: 16mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 15mm
OE:91560-SM4-003



724111
Cowl Vent Retainers W/ Sealer
Bottom Head Dia: 16mm
Top Head Dia: 13mm
Stem Dia: 8mm
Stem Length: 13mm
OE:5482103



724514
Tailgate MIding Retainer W/ Sealer
Head Dia: 13mm
Overall Length: 20mm
Fits: 9mm
Flange: 25mm
OE:22691056



724516
Rocker/fender Retainer W/sealer
Head Dia: 14mm
Overall Length: 19mm
Fits: 10mm
Trim Thickness: 2.5mm
OE:G18K-51-SJ3



724950
Trim Panel Retainers W/ Sealer
Bottom Hd Dia: 12mm X 16mm
Top Head Dia: 15mm
Stem Dia: 5mm
Stem Length: 34mm
OE:10350983



724991
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 11mm
OE:91560-S7A-003



724992
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 15mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 11mm
OE:91560-S0X-A01



725065
Trim Panel Retainers W/ Sealer
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9mm
Stem Length: 14mm
OE:84953-AU100



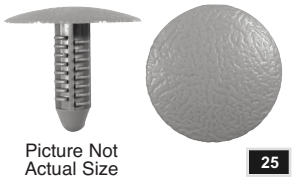
725124
Door Panel Retainer W/ Sealer
Fits: 8.5mm Hole
Top Head: 13mm
Bottom Head: 18mm
Overall Length: 20mm
OE:67773-0E020



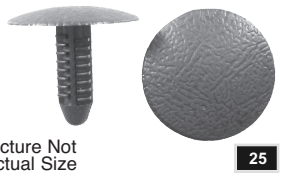
725142
Trim Retainers W/ Sealer
Top Head: 13mm X 16mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 9mm
OE:67771-32120



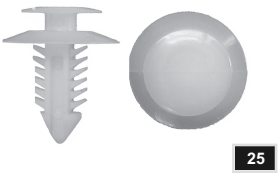
716304
Fascia Retainers
Bottom Head Dia: 7/16
Top Head Dia: 7/32
Stem Dia: 1/2
OE:N803170-S



716305
Trim Panel / Hood Insul. Retainer
Bottom Head Dia: 25mm
Top Head Dia: 8mm
Stem Dia: 20mm
Gray Nylon
OE:N802734-S, 22718305



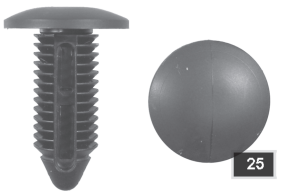
716306
Trim Panel & Hood Insul. Retainers
Bottom Head Dia: 25mm
Top Head Dia: 8mm
Stem Dia: 20mm
Black Nylon
OE:N802734-S, 22718305



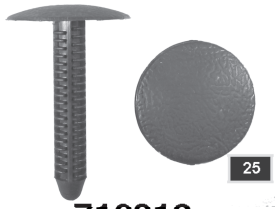
716308
Door Trim Panel Retainers
Bottom Head Dia: 19mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE:01553-S3500

RETAINERS

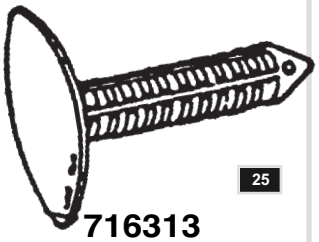
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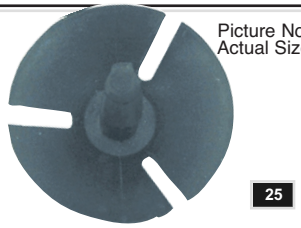
716309
Bumper Fascia Retainers
Bottom Head Dia: 22mm
Top Head Dia: 11mm
Stem Dia: 28mm
Black Nylon
OE:N804379S,1631564



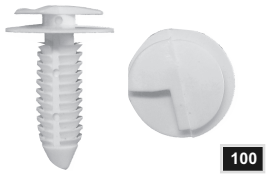
716312
Interior Trim Retainers
Bottom Head Dia: 26mm
Top Head Dia: 8mm
Stem Dia: 38mm
Black Nylon
OE:N-804349-S



716313
Trim Panel Clips
Bottom Head Dia: 3/4
Top Head Dia: 7/32
Stem Dia: 11/16
Black Nylon
OE:5208743, 4006529



716314
Hood Insul. / Fender Shld Retainer
Bottom Head Dia: 1-5/16
Top Head Dia: 3/8
Stem Dia: 3/4
Black Nylon
OE:4341060



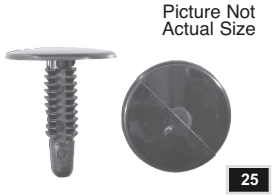
716315
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 5/8
Stem Dia: 5/16
Stem Length: 1”
OE:363137



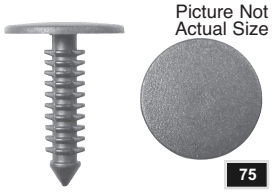
716316
Dash Panel Retainers
Bottom Head Dia: 7/16
Top Head Dia: 3/16
Stem Dia: 5/8
Black Nylon
OE:25016383



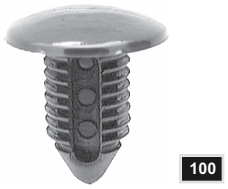
716319
Shield Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 5/8
Fender & Bumper
OE: 3691590, 6031321, 14093311, 20732399, 332364, 389358, 4004569



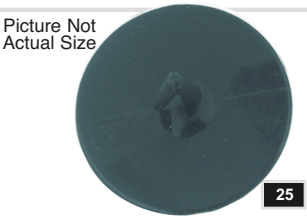
716321
Trim Panel Retainers
Bottom Head Dia: 1”
Top Head Dia: 9/32
Stem Dia: 1-1/16
Black Nylon
OE:388930-S



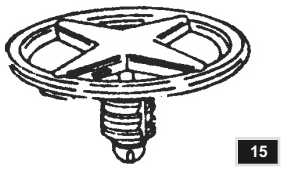
716322
Scrn Shroud Vent - Grille Retainer
Bottom Head Dia: 19/32
Top Head Dia: 7/32
Stem Dia: 3/4
Black Nylon
OE:20514862



716323
Front End Stone Shield Retainers
Bottom Head Dia: 7/8
Top Head Dia: 7/16
Stem Dia: 13/16
Black Nylon
OE:6503221,22512276



716325
Hood Insulation Retainers
Bottom Head Dia: 1-3/4
Top Head Dia: 3/8
Stem Dia: 3/4
Black Nylon
OE:388908-S



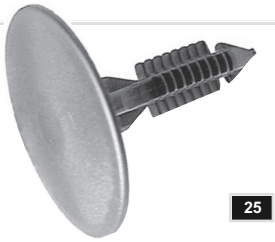
716326
Hood Insulation Retainers
Bottom Head Dia: 38mm
Top Head Dia: 7mm
Stem Dia: 9mm
Black Nylon
OE:65832-F5000, 65846-30F00



716331
Hood Insulation Retainers
Bottom Head Dia: 20mm
Top Head Dia: 5.5mm
Stem Dia: 9mm
Nylon
OE:F22Z-16774-A, G030-68-885B38, GA2A-56-694



716333
Retainers
Bottom Head Dia: 3/4
Top Head Dia: 9/32
Stem Dia: 1/2
Black Nylon
OE: 3861577, 20032850, 387258-S



716335
Dashboard Retainers
Bottom Head Dia: 1-1/4
Top Head Dia: 5/16
Stem Dia: 1-3/16
Black Nylon
OE:N-800387-S, N09-280305



716336
Door Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 21/32
Stem Dia: 5/16
Stem Length: 3/4
OE: 12337920, 20374473

RETAINERS

Illustrations are actual size unless otherwise noted.



25

716337
Door Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 1/2
Stem Dia: 5/16
Stem Length: 5/8
OE: N-802900, 21042958



25

716338
Door Trim Panel Retainers
Bottom Head Dia: 23/32
Top Head Dia: 5/16
Stem Dia: 5/8
White Nylon
OE:20429451



25

716339
Trim Panel Retainers
Bottom Head Dia: 1/2
Top Head Dia: 9/32
Stem Dia: 3/4
Black Nylon
OE:411700



25

716342
Rear Quarter Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 11/16
OE:20480475



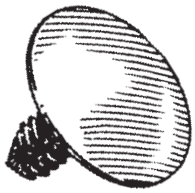
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716344
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 18mm
Stem Dia: 8mm
Stem Length: 13mm
OE:10287971



25

716349
Fascia To Bumper Retainers
Bottom Head Dia: 1”
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE:389443-S



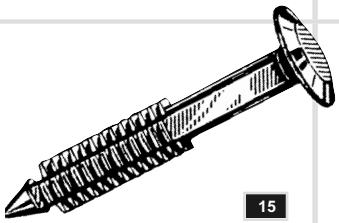
15

716350
Door Frame Spacer Retainers
Bottom Head Dia: 1”
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE: 4381395,6501086, 388904-S



15

716351
Rear Hood Seal Retainers
Bottom Head Dia: 3/4
Top Head Dia: 5/16
Stem Dia: 1-3/8
Black Nylon
OE:14074081



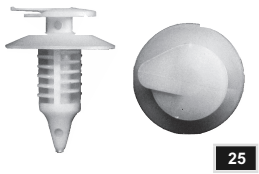
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716352
Hood Seal Retainers
Bottom Head Dia: 19/32
Top Head Dia: 5/16
Stem Dia: 2”
Natural Nylon
OE:22527720



25

716356
Door Trim Panel Retainers
OE:20430421



25

716357
Trim Panel Retainers
Bottom Head Dia: 19mm
Top Head Dia: 15mm
Stem Dia: 9mm
Stem Length: 18mm
OE: 8934-201-681, 175-867-299



25

716672
Retainers
Bottom Head Dia: 12mm
Top Head Dia: 5mm
Stem Dia: 12mm
Black Nylon
OE:9924-90-512B



15

716681
Door Panel Retainers
Bottom Head Dia: 17mm
Top Head Dia: 15mm
Stem Dia: 10mm
Stem Length: 14mm
OE:9927-40-821



100

717130
Shield Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 13/16
Radiator Yoke, Fender & Bumper
OE: 6030441, 6036007AA , 6502078, 15958694, 1605396, 388577-S, W705589-S300



50

717131
Hood Insulation Retainers
Bottom Head Dia: 1/2 X 1-1/2
Top Head Dia: 9/32
Stem Dia: 5/8
Black Nylon
OE:4005513,6003351,385330-S, D30Z-16776-A



25

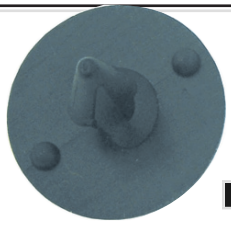
717134
Trim Panel Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 13/16
Hole: 1/4

RETAINERS

Illustrations are actual size unless otherwise noted.



717163
Door Trim Panel Retainers
Bottom Head Dia: 7/8
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 3/4
OE:3065575



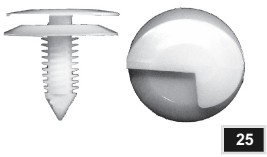
717319
Hood Insulation Retainers
Bottom Head Dia: 1-3/16
Top Head Dia: 3/8
Stem Dia: 3/4
Black Nylon
OE:385595-S, 386553-S



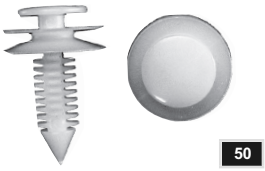
717320
Hood Insulation Retainers
Bottom Head Dia: 2”
Top Head Dia: 5/16
Stem Dia: 3/4
Black Nylon
OE:3078511, 3977775



718226
Fascia Retainers
Bottom Head Dia: 25mm
Top Head Dia: 7.5mm
Stem Dia: 20mm
Black Nylon
OE:6501067



718230
Door Trim Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 11/16
OE:4005470,6003349,6032363, 385661-S,9685057,N98905101



718415
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 33/64
Stem Dia: 5/16
Stem Length: 13/16
OE:389144-S



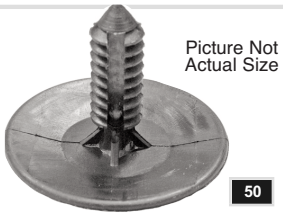
718422
Door Trim Panel Retainers
Bottom Head Dia: 25/32
Top Head Dia: 1/2
Stem Dia: 5/16
Stem Length: 5/8
OE:N801925-S



718430
Trim Panel Retainers
Bottom Head Dia: 15/16
Top Head Dia: 29/32
Stem Dia: 5/16
Stem Length: 15/16
OE:387496-S



718615
Hood Insulation Retainers
Bottom Head Dia: 1-21/32
Top Head Dia: 5/16
Stem Dia: 3/4
Black Nylon
OE:20064875



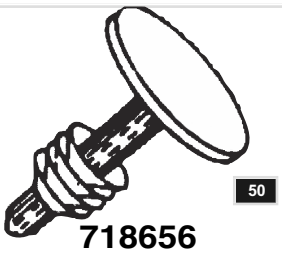
718616
Hood Insulation Retainers
Bottom Head Dia: 1-3/8
Top Head Dia: 5/16
Stem Dia: 15/16
Black Polypropylene
OE:20030401



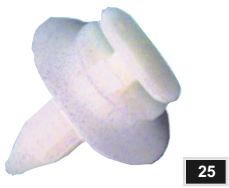
718618
Radiator Apron Panel Retainers
Bottom Head Dia: 1”
Top Head Dia: 7/16
Stem Dia: 13/16
Black Nylon
OE:1619321



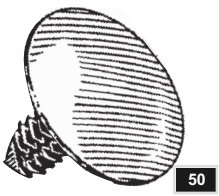
718627
Rubber Mat Fastener Retainer
Bottom Head Dia: 1”
Top Head Dia: 9/32
Stem Dia: 1-7/16
Black Nylon
OE:14027471



718656
Front Fender Flap Retainers
OE:1690410



718657
Door Trim Panel Retainers
Bottom Head Dia: 3/4 X 7/8
Top Head Dia: 9/32 X 19/32
Stem Dia: 5/16
Stem Length: 3/4
OE:10073833,15600382, 20421800



720059
Door Frame Spacer Retainers
Bottom Head Dia: 1”
Top Head Dia: 5/16
Stem Dia: 13/16
Black Nylon
OE:388904-S, 4381395, 6501086



720377
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 11/32
Stem Dia: 7/8
Sliding Door & Lift Gate
OE:6501301, 21094146

RETAINERS

Illustrations are actual size unless otherwise noted.



25

720380
Trim Panel Retainers
Bottom Head Dia: 5/8
Top Head Dia: 3/8
Stem Dia: 3/4
Trunk Lid Latch
OE:6504043, N807721-S



25

720383
Carpet & Shield Retainers
Bottom Head Dia: 1”
Top Head Dia: 1/4
Stem Dia: 25/32
Black Nylon
OE: N808370-S



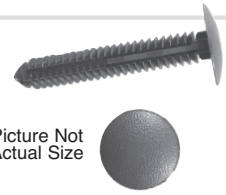
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720384
Hdlight Mount. Shield Retainer
Bottom Head Dia: 1”
Top Head Dia: 19/64
Stem Dia: 1-1/16
Black Nylon
OE:6502104



12

720508
Trim Panel Retainers
Bottom Head Dia: 16mm
Top Head Dia: 5mm
Stem Dia: 13mm
Luggage Compartment
OE: 90467-05096-22



12

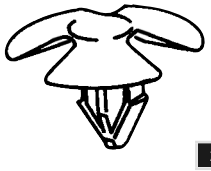
720599
Mud Flap Retainers
18mm Head
Fits: 6.3mm Hole



Picture Not
Actual Size

7

720632
Hood Insulation Retainers
Bottom Head Dia: 25mm
Top Head Dia: 9mm
Stem Dia: 10mm
Black Nylon
OE:88970747,94858509,
90467-09050



25

720907
Hood Insulator Retainers
Bottom Head Dia: 30mm
Top Head Dia: 8mm
Stem Dia: 12mm
Black Nylon
OE:4878883AA



25

720922
Trim Panel Retainers
Bottom Head Dia: 7/16
Top Head Dia: 7/32
Stem Dia: 11/16
Black Nylon
OE:6505417AA



25

720923
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 11/32
Stem Dia: 13/16
Black Nylon



25

720924
Trim Panel Retainers
Bottom Head Dia: 11/16
Top Head Dia: 5/16
Stem Dia: 13/16
Fits: 1/4 Hole



12

720925
Trim Panel Retainers
Bottom Head Dia: 23/32
Top Head Dia: 15/64 X 9/32
Stem Dia: 3/4
Black Nylon
OE:4717224



25

720927
Retainers
Bottom Head Dia: 5/8
Top Head Dia: 1/4
Stem Dia: 3/4

OE:6501948



12

720963
Bumper Cover Retainers
Bottom Head Dia: 13/32
Top Head Dia: 5/16
Stem Dia: 1-5/16
Postal Vehicles



12

721007
Trim Panel Retainers
Bottom Head Dia: 3/4
Top Head Dia: 7/32
Stem Dia: 11/16
Black Nylon
OE:N801994-S100



12

723024
Bumper Fascia Retainers
Bottom Head Dia: 25mm
Top Head Dia: 13mm
Stem Dia: 15mm
Black Nylon
OE:6505686AA,15056810

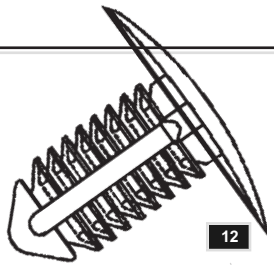


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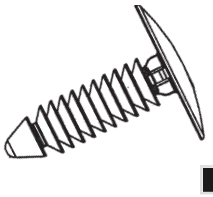
723104
Trim Panel Retainers
Bottom Head Dia: 16mm
Top Head Dia: 8mm
Stem Dia: 16mm
Luggage Compartment
OE:90467-08186

RETAINERS

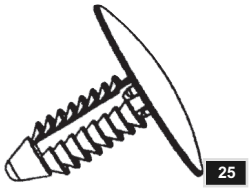
Illustrations are actual size unless otherwise noted.



723196
Strut Mounting Retainers
Bottom Head Dia: 15/16
Top Head Dia: 3/8
Stem Dia: 3/4
Engine Compart. & Front End
OE:22189414



723285
Rear Bumper Cover Retainers
Bottom Head Dia: 21mm
Top Head Dia: 7.5mm
Stem Dia: 25mm
Black Nylon
OE:W708035-S300



723338
Fender Apron Retainers
23.4mm O/L, 2-10mm P.R.
25.4mm Head
Fits: 6.35mm Hole
Black Nylon
OE:6506005AA,6506293AA



723349
Fender Flare Retainers
Bottom Head Dia: 18mm
Top Head Dia: 7.5mm
Stem Dia: 33mm
Black Nylon
OE:W709002-S



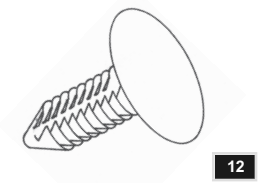
724028
Cowl / Fender Apron Retainers
Bottom Head Dia: 15mm
Top Head Dia: 4.5mm
Stem Dia: 14mm
Black Nylon
OE:01553-01182



724134
Bumper Cover Retainers
Bottom Head Dia: 19mm
Top Head Dia: 7.5mm
Stem Dia: 16mm
Fits: 6.35mm Hole
OE:90467-A0008



724153
Door Panel Retainers
Bottom Head Dia: 25/32
Top Head Dia: 11/16
Stem Dia: 5/16
Stem Length: 13/16
OE:10305191



724237
Fnder Apron - Rad. Baffle Retainer
Bottom Head Dia: 1”
Top Head Dia: 11/32
Stem Dia: 3/4
Black Nylon
OE:24501057



724260
Hood Insulation Retainers
Bottom Head Dia: 30mm
Top Head Dia: 15mm X 18mm
Stem Dia: 10mm
Black Nylon
OE:90700-SJ4-000



724532
Cowl Screen Retainers
Bottom Head Dia: 9/16
Top Head Dia: 19/64
Stem Dia: 13/32
1/4-20 X 7/16 Stud
OE:6503336



724553
Door Trim Panel Retainers
Bottom Head Dia: 20mm
Top Head Dia: 8.5mm
Stem Dia: 20mm
Fits: 7mm Hole
OE:4860379-AA



724771
Bumper Retainers
Head Size: 19mm
Stem Dia: 8mm
Stem Length: 26mm
Bumper Retianer
OE:6509590-AA



724790
Trunk Trim & Insul. Retainers
Bottom Head Dia: 23mm
Top Head Dia: 8mm
Stem Dia: 20mm
Black Nylon
OE:6508727-AA



724810
Retainers
Head Size: 20mm
Stem Dia: 8mm
Stem Length: 23mm
Black Nylon
OE:14592087



724811
Retainers
Head Size: 20mm
Stem Dia: 8mm
Stem Length: 23mm
Gray Nylon
OE:14592086



724823
Hood Insulation Retainers
Head Size: 28mm X 30mm
Stem Length: 14mm
Overall Hgt: 16mm
Black Nylon
OE:W709688-S300

RETAINERS

Illustrations are actual size unless otherwise noted.


12

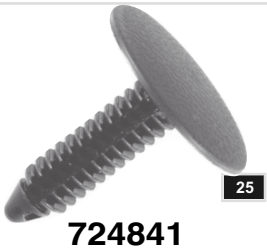
724838
Retainers
Bottom Head Dia: 20mm
Top Head Dia: 7mm
Stem Dia: 15mm
Black Nylon
OE:5R3Z-54310D12-BAA


12

724839
Retainers
Bottom Head Dia: 31mm
Top Head Dia: 7.6mm
Stem Dia: 13mm
Black Nylon
OE:W708633-S300


12

724840
Retainers
Bottom Head Dia: 20mm
Top Head Dia: 9mm
Stem Dia: 17mm
Black Nylon
OE:W715926-S300


25

724841
Retainers
Bottom Head Dia: 26mm
Top Head Dia: 7.5mm
Stem Dia: 28mm
Black Nylon
OE:W706635-SSW


12

724915
Headliner Retainers
Bottom Head Dia: 25mm
Top Head Dia: 8mm
Stem Dia: 58mm
Opal Gray Nylon
OE:25822063


12

724917
Fender & Headliner Retainers
Bottom Head Dia: 25.4mm
Top Head Dia: 8mm
Stem Dia: 27mm
Black Nylon
OE:15802005


12

724921
Retainers
Bottom Head Dia: 28mm
Top Head Dia: 8mm
Stem Dia: 17mm
Black Nylon
OE:15989431


12

724922
Retainers
Bottom Head Dia: 30mm
Top Head Dia: 7.8mm
Stem Dia: 15mm
Black Nylon
OE:11571159


12

724926
Retainers
Bottom Head Dia: 25mm
Top Head Dia: 5.8mm
Stem Dia: 25.5mm
Black Nylon
OE:11610747


12

724929
Retainers
Bottom Head Dia: 33mm
Top Head Dia: 8mm
Stem Dia: 41mm
Light Gray Nylon
OE:89026634


10

724931
Hood Insulation Retainers
Bottom Head Dia: 45mm
Top Head Dia: 9.5mm
Stem Dia: 20mm
Tan Nylon
OE:25749564


12

724932
Headliner Retainers
Bottom Head Dia: 25mm
Top Head Dia: 8.5mm
Stem Dia: 37mm
Tan Nylon
OE:10444839


12

724933
Headliner Retainers
Bottom Head Dia: 25mm
Top Head Dia: 7.5mm
Stem Dia: 22mm
Tan Nylon
OE:15944588


12

724934
Retainers
Bottom Head Dia: 33mm
Top Head Dia: 8mm
Stem Dia: 41mm
Tan Nylon
OE:89026635


12

724949
Trim Panel Retainers
Bottom Head Dia: 19mm
Top Head Dia: 7mm
Stem Dia: 22mm
White Nylon
OE:11561499


10

724953
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 16.5mm
Stem Dia: 10mm
Stem Length: 15mm
OE:11569700

RETAINERS

Illustrations are actual size unless otherwise noted.



12

724986
Retainers
Bottom Head Dia: 10mm
Top Head Dia: 5.5mm
Stem Dia: 7mm
Black Nylon
OE:91567-S3M-000



12

724989
Trunk Lid & Interior Trim Retainers
Bottom Head Dia: 18mm
Top Head Dia: 7mm X 7mm
Stem Dia: 13mm
Black Nylon
OE:90671-S0D-003ZK



12

724990
Hood Insulation Retainers
Bottom Head Dia: 30mm
Top Head Dia: 15mm X 21mm
Stem Dia: 14mm
Black Nylon
OE:91501-SWA-003



25

725027
Retainers
Bottom Head Dia: 5mm X 13mm
Top Head Dia: 8mm
Stem Dia: 11mm
Black Nylon
OE:86438-4A100



25

725029
Retainers
Bottom Head Dia: 6mm X 16mm
Top Head Dia: 8mm
Stem Dia: 14mm
Black Nylon
OE:86434-4A000



12

725086
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 8mm
Stem Dia: 16mm
Gray Nylon
OE:85746-06000LX



12

725087
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 8mm
Stem Dia: 16mm
Tan Nylon
OE:85746-06000RU



12

725100
Retainers
Head Size: 14mm
Stem Dia: 6mm
Stem Length: 17mm
Side Door Trim Panel
OE:MWC9134



10

725101
Retainers
Head Size: 10.7mm
Stem Dia: 5.8mm
Stem Length: 14mm
Door Panel
OE:MXC1800



12

725123
Bumper Retainers
Head Size: 16mm
Stem Dia: 4.7mm X 4.7mm
Stem Length: 12mm
Front
OE:90467-05125



25

725160
Retainers
Head Size: 15mm
Stem Dia: 6.5mm
Stem Length: 14mm
Black Nylon
OE:B003-68-865-00



12

725168
Retainers
Bottom Head Dia: 20mm
Top Head Dia: 7mm
Stem Dia: 10mm
Black Nylon
OE:TD11-56-694



10

725286
Hood Insulation Retainers
Bottom Head Dia: 28mm
Top Head Dia: 6mm
Stem Dia: 10mm
Black Nylon
OE:65846-4Z000



12

725290
Bumper & Trim Retainers
Bottom Head Dia: 12mm
Top Head Dia: 6mm
Stem Dia: 15mm
Black Nylon
OE:01553-01A50



12

725312
Retainers
Head Size: 21mm
Stem Dia: 7.5mm
Stem Length: 23mm
Black Nylon
OE:6983.17



12

725316
Retainers
Head Size: 10mm
Stem Dia: 8mm
Stem Length: 15mm
Internal Trim Retainer
OE:6992.31

RETAINERS

Illustrations are actual size unless otherwise noted.



12

725330
Retainers
Head Size: 13mm
Stem Dia: 7mm
Stem Length: 15mm
Black Nylon
OE:77-03-077-080



12

725331
Retainers
Head Size: 15mm
Stem Dia: 8mm
Stem Length: 17mm
Black Nylon
OE:77-03-077-231



12

725332
Retainers
Head Size: 35mm
Stem Dia: 10 X 10.5mm
Stem Length: 22mm
Black Nylon
OE:77-03-077-435



12

725333
Retainers
Head Size: 35mm
Stem Dia: 10.5mm
Stem Length: 22mm
Black Nylon
OE:77-03-077-225



12

725335
Retainers
Head Size: 13mm
Stem Dia: 7mm
Stem Length: 17mm
White Nylon



10

725393
Hood Insulation Retainers
Bottom Head Dia: 30mm
Top Head Dia: 7.7mm
Stem Dia: 13mm
Black Nylon
OE:90913-0074



12

725396
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 7.7mm
Stem Dia: 15mm
Black Nylon
OE:99045-AE03AMA



12

725397
Retainers
Bottom Head Dia: 20mm
Top Head Dia: 6mm
Stem Dia: 22mm
Black Nylon
OE:95022-AC040ML



12

725420
Hood Insulation Retainers
Head Size: 24mm
Stem Dia: 6mm X 6mm
Stem Length: 13mm
Black Nylon
OE:09409-06309-5ES



12

725475
Headliner Retainers
Bottom Head Dia: 20mm
Top Head Dia: 6mm
Stem Dia: 15mm
Tan Nylon
OE:90467-05164-E2



12

725477
Door & Roof Rail Retainers
Bottom Head Dia: 9mm
Top Head Dia: 5.3mm
Stem Dia: 8mm
Black Nylon
OE:67868-30030



12

725478
Fender Seal Retainers
Bottom Head Dia: 20mm
Top Head Dia: 8mm
Stem Dia: 8mm
Black Nylon
OE:90467-08136



12

725480
Headliner Retainers
Bottom Head Dia: 20mm
Top Head Dia: 6mm
Stem Dia: 15mm
Gray Nylon
OE:90467-05164-B6



12

725530
Retainers
Head Size: 23mm
Stem Dia: 11mm
Stem Length: 16mm
Radiator Grille, Scuff Plate
OE:1H0-867-199-01C



12

725561
Retainers
Bottom Head Dia: 23mm
Top Head Dia: 6.5mm
Stem Dia: 16mm
Black Nylon
OE:1H0-819-055-B01C



12

725565
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12mm
Stem Dia: 9.5mm
Stem Length: 12mm
OE:171-807-249-A

RETAINERS

Illustrations are actual size unless otherwise noted.



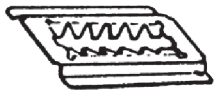
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725571
Retainers
Bottom Head Dia: 18mm
Top Head Dia: 12mm
Stem Dia: 10mm
Stem Length: 20mm
OE:357-853-585



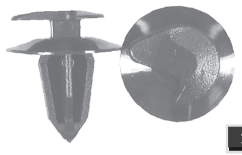
12

723056
Fender Flare / Mud Flap Retainer
Bottom Head Dia: 22mm
Top Head Dia: 7.5mm
Stem Dia: 35mm
Black Nylon
OE:W701855-S300



12

724197
Bumper / Grille Mounting Retainers
13.1 X 29.7mm
OE:86593-24000



25

718228
Door & Interior Trim Pnel Retainer
OE:6032235



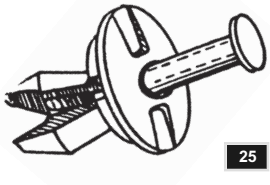
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718409
Push Type Retainer Pins
OE:800737-S



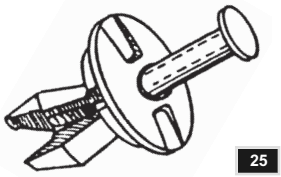
25

718644
Fascia Rivet Retainers
Head Dia: 1” (25.4mm)
Stem Dia: 3/4 (19mm)
Fits: 1/2 (12.7mm) Hole
Shoulder: 1/8(3.2mm)
OE:5973400



25

718645
Push Pin Type Rivet Retainers
22mm Washer Face
Fits: 9.5mm Hole
Rear Bump. Energy Absorb. Strip
OE:5973823



25

718646
Fascia Rivet Retainers
Head Dia: 1” (25.4mm)
Stem Dia: 7/8 (22mm)
Fits: 1/2 (12.7mm) Hole
Shoulder: 1/4(6.4mm)
OE:5973996



25

718662
Fascia Rivet Retainers
Head Dia: 1” (25.4mm)
Stem Dia: 23/32 (18.3mm)
Fits: 3/8 (9.5mm) Hole
Black Nylon
OE:14045480



25

718730
Push Type Rivet Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 9/16 (14.3mm)
Fits: 1/4 (6.4mm) Hole
Front Fender Mud Skirt & Fender Liner
OE: 34201621, 6504090, 8934-201-621, 14019205, 14019206, 16514113, E3DZ-14A163A



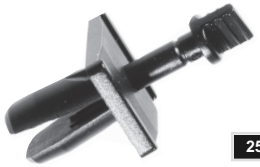
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718737
Push Type Rivet Retainers
Head Dia: 25mm
Stem Dia: 27mm
Fits: 7mm Hole
Black Nylon
OE:N804674-S



25

718740
Push Type Retainers
Head Dia: 21/32 (16.7mm)
Stem Dia: 19/32(15mm)
Fits: 5/16 (8mm) Hole
Black Nylon
OE:14039420



25

718742
Push Type Retainers
Head Dia: 19/32 X 3/4 (15 X
Stem Dia: 19/32(15mm)
Fits: 5/16 (8mm) Hole
Black Nylon
OE:14032200



25

718743
Push Type Retainers
8 X 27mm Head
Fits: 8mm Hole
Grille Attachment
OE:14015161,175-853-695A



50

718912
Push Type Retainers
Head Dia: 5/8(16mm)
Stem Dia: 7/16 (11mm)
Fits: 1/4 (6.4mm) Hole
Lic. Plate & Grille To Headlight Bracket
OE:383142-S



25

720025
Screw Type Retainers
Head Dia: 11/16 (17.5mm)
Stem Dia: 7/8(22mm)
Fits: 1/4 (6.4mm) Hole
Black Nylon
OE:22538004

RETAINERS

Illustrations are actual size unless otherwise noted.



720386
Push Type Retainers
Head Dia: 15mm
Stem Dia: 27mm
Fits: 9mm Hole
Front Bumper
OE:90467-09096



720507
Push Type Retainers
Head Dia: 15mm
Stem Dia: 13mm
Fits: 6mm Hole
Front Fender Skirt
OE:90683-SA5-003



720548
Push Type Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 9mm Hole
Bumper Cover & Wheel Housing
OE:90467-09139



720549
Push Type Retainers
Head Dia: 18mm
Stem Dia: 15mm
Fits: 8mm Hole
Garnish Side Protector
OE:90505-SX0-003



720550
Push Type Retainers
Head Dia: 18mm
Stem Dia: 23mm
Fits: 9mm Hole
Bumper Cover
OE:94853733,90467-09101



720916
Push Type Retainers
Head Dia: 18mm
Stem Dia: 8mm
Bumper
Black Nylon & Santoprene



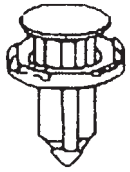
720917
Push Type Rivet Retainers
Head Dia: 19/32 (15mm)
Stem Dia: 3/4 (19mm)
Fits: 1/4 (6.4mm) Hole
Wheel Opening Moulding
OE:21077123



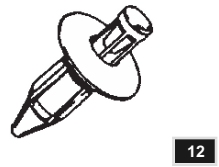
721032
Push Type Retainers
Head Dia: 17mm
Stem Dia: 16mm
Fits: 7mm X 7mm Hole
Tailgate Lining
OE:91570-SK7-003ZF



721033
Push Type Retainers
Head Dia: 16mm
Stem Dia: 9mm
Fits: 7mm Hole
Cowl Panel & Luggage Compartment
OE:90467-07146



723095
Push Type Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 9mm Hole
Fender & Bumper
OE: MR200300



723126
Retainers - Push To Release
9mm Stem
18mm Flange
6.3mm Hole Hole
Door Panel
OE:90467-07085



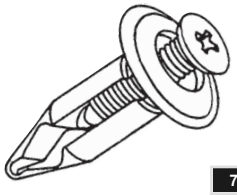
723203
Push Type Retainers
Head Dia: 20mm
Stem Dia: 22mm
Fits: 8mm Hole
Black Nylon
OE:63878-01E10



723260
Push Type Rivet Retainers
Head Dia: 20mm
Stem Dia: 17mm
Fits: 7mm Hole
Side Radiator Shield
OE:6506132-AA



723295
Push Type Retainers
Head Dia: 18mm
Stem Dia: 22mm
Fits: 9mm Hole
Bumper Fascia
OE:63848-9E001



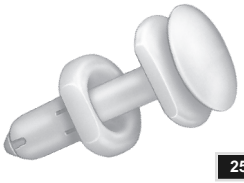
723381
Push Type Retainers
Head Dia: 18mm
Stem Dia: 20mm
Fits: 9mm Hole
Front Bumper
OE:63848-40Y00



724122
Push Type Retainers
Head Dia: 19.5mm
Stem Dia: 15mm
Fits: 10mm Hole
Bumper Cover & Grille
OE:GD7A-50-EA1

RETAINERS

Illustrations are actual size unless otherwise noted.


25

724129
Push Type Retainers
Head Dia: 9/16 (14.3mm)
Stem Dia: 41/64 (16.3mm)
Fits: 1/4 (6.4mm) Hole
Door Trim Panel
OE:15960325


5

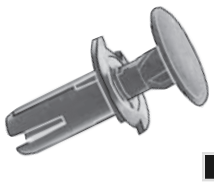
724264
Push Type Retainers
Head Dia: 18mm
Stem Dia: 14mm
Fits: 8mm Hole
Cowl Panel
OE:91508-SM4-003


6

724540
Push Type Retainers
Head Dia: 18mm
Stem Dia: 10mm
Fits: 6mm Hole
Trim Panel
OE:5R3Z-54310D12-AAA


12

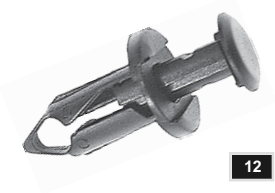
724543
Push Type Retainers
Head Dia: 22mm
Stem Dia: 10mm
Fits: 9mm Hole
Door Trim Panel
OE:OWX68BD5-AA


6

724549
Push Type Retainers
Head Dia: 15mm
Stem Dia: 17mm
Fits: 7mm Hole
Black Nylon
OE:90467-07188


6

724550
Push Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 9mm X 9mm Hole
Black Nylon
OE:90467-09166


12

724603
Push Type Retainers
Head Dia: 15mm
Stem Dia: 20mm
Fits: 8mm Hole
Rocker Panel, Whl Liner & Air Inlet Duct
OE: F3LY-14570-B, 11561878, 21075686


5

724604
Push Type Retainers
Head Dia: 20mm
Stem Dia: 13mm
Fits: 10mm Hole
Front Bumper
OE:91505-S9A-003


10

724707
Push Type Retainers
Fits: 10mm Hole
Head Size: 20mm
Stem Dia: 8mm Hole
Stem Length: 14mm
OE:91505-TM8-003


10

724744
Push Type Retainers
Head Dia: 15mm
Stem Dia: 15mm
Fits: 6.3mm Hole
Black Nylon


12

724745
Push Type Retainers
Fits: 8.5mm Hole
Head Size: 20mm
Stem Length: 21mm
Rear Bumper
OE:51-12-7-004-445


12

724746
Push Type Retainers
Fits: 6.3mm Hole
Head Size: 10mm
Stem Length: 11mm
Front Bumper, Grille
OE:51-46-7-002-606


12

724747
Push Type Retainers
Fits: 5mm Hole
Head Size: 9mm
Stem Length: 7mm
Trunk Lid Compartment
OE:51-47-8-166-992


12

724748
Push Type Retainers
Fits: 6.3mm Hole
Head Size: 20mm
Stem Length: 16mm
Rocker Panel, Air Duct Comp
OE:51-71-8-259-788


10

724749
Retainers
Head Size: 20mm
Stem Dia: 7mm
Stem Length: 33mm
Rocker Trim Wheel Housing
OE:07-14-7-122-913


10

724784
Push Type Retainers
Head Dia: 20mm
Stem Dia: 23mm
Fits: 10mm Hole
Black Nylon
OE:6508643-AA

RETAINERS

Illustrations are actual size unless otherwise noted.



724785
Push Type Retainers
Head Dia: 24mm
Stem Dia: 20mm
Fits: 11mm Hole
Shoulder: 3mm
OE:4389947-AA



724786
Push Type Retainers
Head Dia: 22mm
Stem Dia: 10mm
Fits: 9mm Hole
Gray Nylon
OE:OWX68XDB-AA



724787
Push Type Retainers W/ Sealer
Head Dia: 22mm
Stem Dia: 16mm
Fits: 9mm Hole
Black Nylon
OE:06509673AA



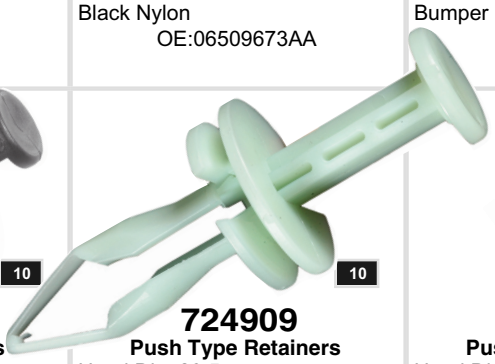
724788
Push Type Retainers
Fits: 8mm Hole
Head Size: 18mm
Stem Length: 10mm
Bumper
OE:6509960-AA



724837
Push Type Retainers
Fits: 7mm Hole
Head Size: 18mm
Stem Length: 12mm
Lower Radiator Shield
OE:W716510-S300



724908
Push Type Retainers
Head Dia: 25mm
Stem Dia: 29mm
Fits: 7mm Hole
Black Nylon
OE:11561874, 622A2-9E000, 622A2-9E000A



724909
Push Type Retainers
Head Dia: 23.5mm
Stem Dia: 36mm
Fits: 10mm Hole
Natural Nylon
OE:10426555



724910
Push Type Retainers
Head Dia: 12mm
Stem Dia: 14mm
Fits: 6mm Hole
Black Nylon
OE:22690838



724911
Push Type Retainers
Head Dia: 18mm
Stem Dia: 22mm
Fits: 6.5mm Hole
Black Nylon
OE:95230842



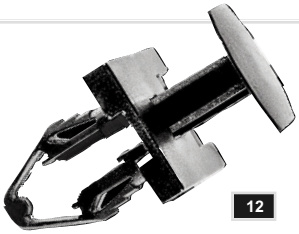
724912
Push Type Retainers
Head Dia: 18mm
Stem Dia: 20mm
Fits: 6.3mm Hole
Black Nylon
OE:11611110



724913
Push Type Retainers
6mm Stud Size
Fender, Quarter Panel & Grille
24mm OD
Zinc
OE:11588441



724914
Push Type Retainers
Head Dia: 26mm
Stem Dia: 12mm
Fits: 10mm Hole
Black Nylon
OE:22718369



724959
Push Type Retainers
Head Dia: 14mm X 21mm
Stem Dia: 16mm
Fits: 8mm Hole
Front & Rear Bumper Fascia
OE:92139147



724982
Push Type Retainers
Head Dia: 20mm
Stem Dia: 11mm
Fits: 10mm Hole
Black Nylon
OE:91503-S7A-003



724983
Push Type Retainers
Head Dia: 20mm
Stem Dia: 13mm
Fits: 10mm Hole
Black Nylon
OE:91503-SHJ-A01



724984
Push Type Retainers
Head Dia: 20mm
Stem Dia: 10mm
Fits: 8mm Hole
Black Nylon
OE:91501-TR0-003

RETAINERS

Illustrations are actual size unless otherwise noted.


10

724985
Push Type Retainers
Head Dia: 16mm
Stem Dia: 14mm
Fits: 7mm Hole
Gray Nylon
OE:91550-S50-000ZK


10

725025
Push Type Retainers
Head Dia: 15mm
Stem Dia: 10mm
Fits: 7mm Hole
Black Nylon
OE:86155-2H100


12

725026
Push Type Retainers
Head Dia: 10mm
Stem Dia: 13mm
Fits: 5mm Hole
Black Nylon
OE:86157-37000


10

725135
Push Type Retainers
Head Dia: 19mm
Stem Dia: 9mm
Fits: 7mm Hole
Black Nylon
OE:53259-0E010


12

725136
Push Type Retainers
Fits: 5.5mm Hole
Head Size: 13mm
Stem Length: 15mm
Inner Door Lock Plate, Engine
OE:90467-05136


10

725137
Push Type Retainers
Fits: 10mm Hole
Head Size: 20mm
Stem Length: 12mm
Front Bumper Extension
OE:51454-0E010,51454-48010


10

725138
Push Type Retainers
Fits: 13mm Hole
Head Size: 22mm
Stem Length: 14mm
Front Side Lower Fender Panel
OE:51453-0E010,51453-48010


10

725163
Push Type Retainers
Head Dia: 11mm
Stem Dia: 7mm
Black Nylon
OE:S51S-51-833


10

725164
Push Type Retainers
Head Dia: 10mm
Stem Dia: 9mm
Fits: 5mm Hole
Black Nylon
OE:EA01-50-037


12

725165
Push Type Retainers
Fits: 8mm Hole
Head Size: 13mm
Stem Length: 13mm
Black Nylon
OE:G14S-50-EA1


12

725166
Push Type Retainers
Fits: 6mm Hole
Head Size: 18mm
Stem Length: 14mm
Rear Trunk Liner
OE:B467-68-AC3-02


10

725201
Push Type Retainers
Fits: 6mm Hole
Head Size: 11mm
Stem Length: 16mm
Black Nylon/ Santoprene Rubber
OE:000-991-59-40


10

725202
Push Type Retainers
Fits: 8mm Hole
Head Size: 16mm
Stem Length: 11mm
Black Nylon
OE: 000-990-29-92, 000-990-60-92, 001-990-16-92, 114-990-01-92, 1104882, 1268642, 1719245, 9133417


10

725243
Push Type Retainers
Head Dia: 15mm
Stem Dia: 11mm
Fits: 6mm Hole
Black Nylon
OE:MR288150


10

725282
Push Type Retainers
Head Dia: 18mm
Stem Dia: 12mm
Fits: 8mm Hole
Gray Nylon
OE:01553-0038U


12

725283
Push Type Retainers
Head Dia: 20mm
Stem Dia: 15mm
Fits: 8mm Hole
Black Nylon
OE:01553-08231

RETAINERS

Illustrations are actual size unless otherwise noted.


10

725284
Push Type Retainers
Head Dia: 15mm
Stem Dia: 14mm
Fits: 5mm Hole
Black Nylon
OE:01553-06071


10

725285
Push Type Retainers
Head Dia: 20mm
Stem Dia: 8mm
Fits: 8mm Hole
Black Nylon
OE:84995-3J101


12

725310
Retainers
Fits: 8mm Hole
Head Size: 20mm
Stem Length: 13mm
9mm X 20mm Rectang. Head
OE:16-092-672-80,
77-03-072-416


12

725311
Retainers
Fits: 8mm Hole
Head Size: 20mm
Stem Length: 10mm
Black Nylon
OE:8211.WV


12

725313
Retainers
Fits: 6.3mm Hole
Head Size: 22mm
Stem Length: 14mm
Black Nylon
OE:6997.T2


12

725334
Push Type Retainers
Fits: 8mm Hole
Head Size: 18mm
Stem Length: 14mm
Black Nylon
OE:77-03-072-360


10

725374
Push Type Retainers
Head Dia: 21mm
Stem Dia: 15mm
Fits: 10mm Hole
Black Nylon
OE:90914-0007


10

725375
Push Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 7mm Hole
Black Nylon
OE:90914-0051


10

725376
Push Type Retainers
Head Dia: 20mm
Stem Dia: 12mm
Fits: 7mm Hole
Black Nylon
OE:90914-0063


5

725377
Push Type Retainers
Head Dia: 25mm
Stem Dia: 12mm
Fits: 11mm Hole
Shoulder: 3mm
OE:90914-0055


10

725378
Push Type Retainers
Head Dia: 18mm
Stem Dia: 10mm
Fits: 8mm Hole
Black Nylon
OE:90913-0067


12

725379
Push Type Retainers
Head Dia: 20mm
Stem Dia: 15mm
Fits: 10mm Hole
Black Nylon
OE:90913-0059


12

725380
Push Type Retainers
Head Dia: 16mm
Stem Dia: 13mm
Fits: 7mm Hole
Black Nylon
OE:91085-TA030


12

725381
Push Type Retainers
Head Dia: 14mm
Stem Dia: 15mm
Fits: 10mm Hole
Black Nylon
OE:57160-FC000


12

725382
Push Type Retainers
Head Dia: 16mm
Stem Dia: 11mm
Fits: 6mm Hole
Black Nylon
OE:90914-0012


12

725383
Push Type Retainers
Head Dia: 20mm
Stem Dia: 10mm
Fits: 8mm Hole
Black Nylon
OE:59122-FA010

RETAINERS

Illustrations are actual size unless otherwise noted.



725384
Push Type Retainers
Head Dia: 22mm
Stem Dia: 28mm
Fits: 10mm Hole
Black Nylon
OE:57750-AA090



725385
Push Type Retainers
Head Dia: 20mm
Stem Dia: 12mm
Fits: 7mm Hole
Black Nylon
OE:59122-AC030



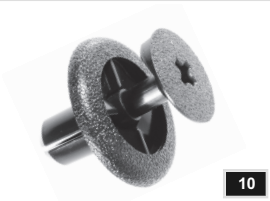
725386
Push Type Retainers
Head Dia: 9mm
Stem Dia: 7mm
Fits: 4mm Hole
Black Nylon
OE:90913-0003



725387
Push Type Retainers
Head Dia: 20mm
Stem Dia: 11mm
Fits: 7mm Hole
Black Nylon
OE:90914-0052



725388
Push Type Retainers
Head Dia: 15mm
Stem Dia: 8mm
Fits: 7mm Hole
Black Nylon
OE:46064-AE000



725389
Push Type Retainers
Head Dia: 20mm
Stem Dia: 11mm
Fits: 7mm Hole
Black Nylon
OE:90913-0051



725390
Push Type Retainers
Fits: 8mm Hole
Top Head: 25mm
Bottom Head: 21mm
Stem Length: 9mm
OE:94415-FA000NE



725391
Push Type Retainers
Head Dia: 25mm
Stem Dia: 16mm
Fits: 11mm Hole
Shoulder: 3mm
OE:90914-0002



725465
Push Type Retainers
Head Dia: 20mm
Stem Dia: 9mm
Fits: 7mm Hole
Radiator Splash Shield
OE:90467-07214



725466
Push Type Retainers
Head Dia: 16mm
Stem Dia: 14mm
Fits: 7mm Hole
Turn Signal Light
OE:90080-46294



725467
Push Type Retainers
Head Dia: 22mm
Stem Dia: 15mm
Fits: 9mm Hole
Bumper & Engine Under Cover
OE:90467-09227



725468
Push Type Retainers
Head Dia: 20mm
Stem Dia: 16mm
Fits: 8mm Hole
Rocker Panel
OE:75867-06030



725469
Push Type Retainers
Head Dia: 18mm
Stem Dia: 14mm
Fits: 7mm Hole
Wheel Opening
OE:53888-48010



725470
Push Type Retainers
Head Dia: 18mm
Stem Dia: 10mm
Fits: 9mm Hole
Front Spoiler & Grille
OE:90467-09185



725471
Push Type Retainers
Head Dia: 16mm
Stem Dia: 10mm
Fits: 8mm Hole
Cowl
OE:90467-10206



725472
Push Type Retainers
Head Dia: 11mm
Stem Dia: 9mm
Fits: 7mm Hole
Bumper Cover
OE:90467-07071-22

RETAINERS

Illustrations are actual size unless otherwise noted.


12

725553
Push Type Retainers
Head Dia: 12mm
Stem Dia: 11mm
Fits: 8mm Hole
Dark Gray Nylon
OE:N038-550-1


12

725554
Push Type Retainers
Head Dia: 16mm
Stem Dia: 15mm
Fits: 8mm X 8mm Hole
Black Nylon
OE:1H0-819-055-C01C


12

725555
Push Type Retainers
Head Dia: 24mm
Stem Dia: 13mm
Fits: 9mm X 9mm Hole
Black Nylon
OE:1H0-867-199-A


12

725556
Push Type Retainers
Head Dia: 18.5mm
Stem Dia: 11mm
Fits: 9mm Hole
Gray Nylon
OE:701-867-299


12

725557
Push Type Retainers
5mm Stud Size
Radiator Support & Splash Shie
30mm OD
Dacromet
OE:N90-796-501, N90-796-502, 441-863-987-B


12

725558
Push Type Retainers
5mm Stud Size
Splash Shield & Wheel Well
30mm OD
Dacromet
OE:N90-335-006


12

725559
Push Type Retainers
Head Dia: 14mm
Stem Dia: 10mm
Fits: 8.5mm Hole
Black Nylon
OE:333-867-633-4FB


10

725560
Push Type Retainers
Head Dia: 22.5mm
Stem Dia: 8mm
Fits: 8mm Hole
Black & White Nylon
OE:6Q0-868-243


25

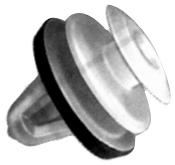
725603
Push Type Retainers
Head Dia: 1/2 (12.7mm)
Stem Dia: 1-7/32 (31mm)
Fits: 9/32 (7mm) Hole
Natural Nylon


15

716343
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:95005064,67771-01010


25

717616
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 14mm
OE:894-226-4920,67771-01010, 67771-12010F, 9927-40-825


7

720546
Trim Panel Retainers
14mm Stem Length
13 X 18mm Head
Fits: 8mm Hole
OE:67771-06070


10

720966
Trim Panel Retainers
Bottom Head Dia: 17mm
Top Head Dia: 13mm
Stem Dia: 9.5mm
Stem Length: 13mm
OE:84915-0W000


12

724053
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 13mm
Stem Dia: 8.5mm X 9mm
Stem Length: 14mm
OE:90467-10188


12

724792
Trim Panel Retainers
Bottom Head Dia: 16mm
Top Head Dia: 13mm
Stem Dia: 11mm
Stem Length: 14mm


10

725040
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 15mm
Stem Dia: 10mm
Stem Length: 12mm
OE:82315-27000

RETAINERS

Illustrations are actual size unless otherwise noted.


12

725399
Trim Panel Retainers
Top Head: 13mm
Middle Head: 16mm
Bottom Head: 18mm
Stem Dia: 9 X 9.5mm
OE:94078-FA080


12

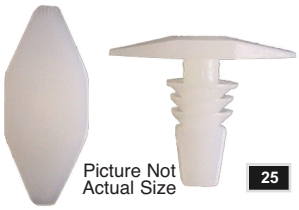
725563
Trim Panel Retainers
Bottom Head Dia: 28.5mm
Top Head Dia: 9.5mm
Stem Dia: 11mm
Tan & White Nylon
OE:1H0-868-243-B


10

725573
Trim Panel Retainers
Top Head: 16mm
Bottom Head: 16mm
Stem Dia: 10mm
Stem Length: 9mm
OE:6Q0-868-297


12

725578
Trim Panel Retainers
Bottom Head Dia: 18mm
Top Head Dia: 22m
Stem Dia: 9mm
Stem Length: 11mm
OE:6K0-868-243-C



25

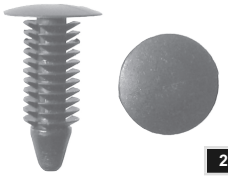
716328
Weatherstrip Retainers
Bottom Head Dia: 7mm X 16mm
Top Head Dia: 6mm
Stem Dia: 10mm
White Nylon
OE:80832-6500, 80833-8500, 90664-671-0030


25

716424
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 6mm
Stem Dia: 12mm
Black Nylon
OE: 6502328, 20699808


25

717212
Weatherstrip Retainers
Bottom Head Dia: 3/16 X 1/2
Top Head Dia: 3/16
Stem Dia: 7/16
Black Nylon
OE:4876498


25

720375
Weatherstrip Retainers
Bottom Head Dia: 3/8
Top Head Dia: 7/32
Stem Dia: 5/8
Black Nylon
OE:4658673


25

720379
Weatherstrip Retainers
Bottom Head Dia: 7/16
Top Head Dia: 7/32
Stem Dia: 5/16
Black Nylon
OE:10169777


25

720382
Weatherstrip Retainers
Bottom Head Dia: 3/8
Top Head Dia: 7/32
Stem Dia: 3/8
Black Nylon
OE:2964547


25

720499
Weatherstrip Retainers
Bottom Head Dia: 9/32 X 1/2
Top Head Dia: 7/32
Stem Dia: 21/32
Natural Nylon
OE:385677


25

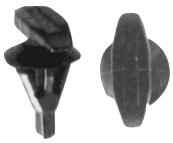
720765
Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 6mm
Stem Dia: 10mm
Red Nylon
OE:91530-SP1-003


5

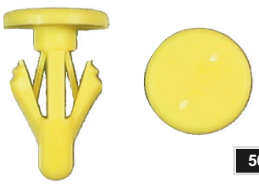
720766
Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 6mm
Stem Dia: 10mm
Natural Nylon
OE:91530-ST5-003


50

720934
Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 5mm
Stem Dia: 8mm
Natural Nylon
OE:N806340-S


10

720965
Weatherstrip Retainers
Bottom Head Dia: 5mm X 15mm
Top Head Dia: 6mm Hole
Stem Dia: 10mm
White Nylon
OE:67867-0C010, 67867-12150, 67868-02020


50

724079
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 9mm
Stem Dia: 14.5mm
Yellow Nylon

RETAINERS

Illustrations are actual size unless otherwise noted.



50

724171
Weatherstrip Retainers
Bottom Head Dia: 5mm X 14mm
Top Head Dia: 6.5mm
Stem Dia: 10mm
Blue Nylon



25

724606
Weatherstrip Retainers
Bottom Head Dia: 1/4 X 21/32
Top Head Dia: 1/4
Stem Dia: 15/32
White Nylon
OE:4696129, 21077575



12

724993
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 6mm
Stem Dia: 10mm
Black Nylon
OE:91567-SR2-013



12

725288
Weatherstrip Retainers
Bottom Head Dia: 10mm
Top Head Dia: 6mm
Stem Dia: 8mm
Black Nylon
OE:01553-08961



12

725493
Weatherstrip Retainers
Bottom Head Dia: 12mm
Top Head Dia: 6.5mm
Stem Dia: 11mm
Black Nylon
OE:90467-06128



12

725568
Weatherstrip Retainers
Bottom Head Dia: 6mm X 15mm
Top Head Dia: 7.5mm
Stem Dia: 17mm
Black Nylon
OE:1H0-837-719



12

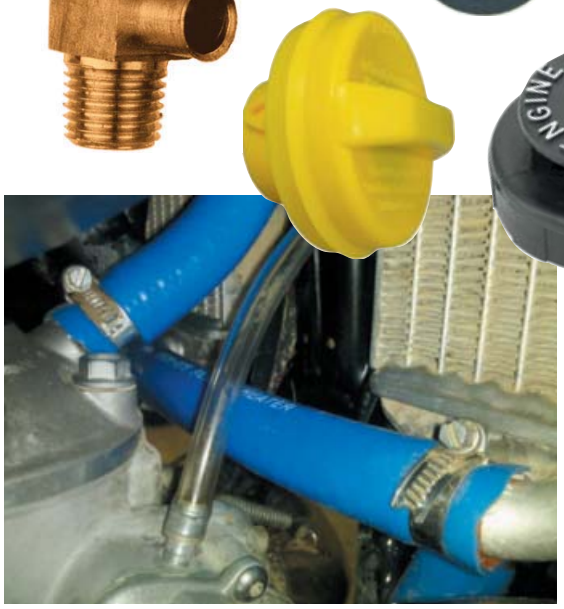
725203
Retaining Pins
Head Size: 15mm X 15mm
Overall Length: 31mm
Rear Entry Scuff Plate
Black Nylon
OE:2D1-867-741,
A901-988-00-25

L-UNDER THE HOOD SERVICE

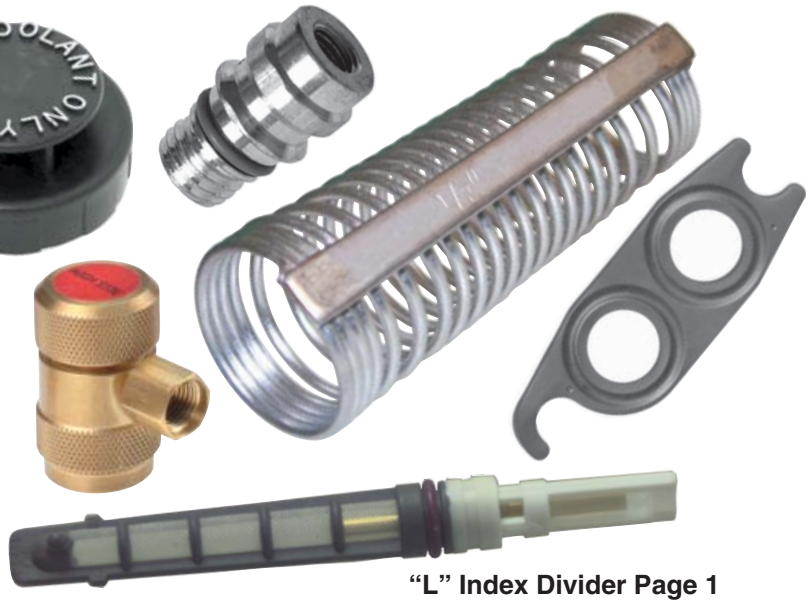








L11	FUEL SYSTEM PARTS	L11
L12	FUEL FILTERS	L12
L13	RADIATOR / OIL / FUEL CAPS	L13
L14	LUBRICATION	L14
L15	MISC. ENGINE HARDWARE	L15
L17	AIR CONDITIONING	L17



L-UNDER THE HOOD

L11-FUEL SYSTEM PARTS

Fuel Injection Hose L11-1
Fuel Injection Hose Clamps L11-1
Fuel Line/Vacuum Hose L11-1
Hoses L11-1
Springs L11-3
Vacuum Caps L11-3
Vacuum Hose Fittings L11-2-3

L12-FUEL FILTERS

Fuel Filters
- Ford L12-1-2
- General Motors L12-1
- Import L12-2
- Interchange L12-2
- Universal L12-1

Fuel Line Repair L12-3

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Radiator Caps L13-1
Radiator Pressure Tester L13-1

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- Differential L14-7
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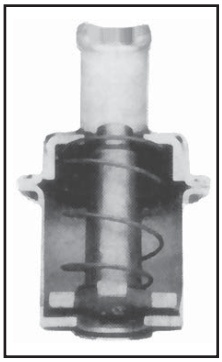
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NOTES

PCV VALVES

It's easy to see why it pays to buy Our PCV Valves.



Steel body with extra heavy cup and metering orifice. Accurate. Durable.

Stainless steel spring annealed to maintain precision control.

Tempered steel 4-arm piston, manufactured to .001 inch accuracy.

Steel anti-flame washer to prevent backfire explosion in crankcase.

WHY ARE THEY USED?

To save gas, reduce pollution, and to protect engines.



WHY STOCK THEM?

High replacements (replace with each oil change or 5,000 miles) very profitable!

WHY BUY FROM US?

OUR PCV valves are fully approved to meet all Federal and State requirements. Unique self-cleaning vibration action for trouble-free operation and long life. Up-to-Date application and picture on every handy 6-pack. Full coverage with minimum inventory requirements.

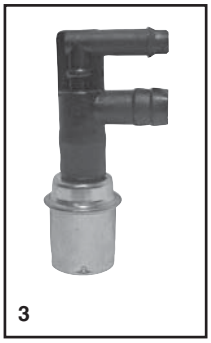
STYLE IDENTIFICATION



1



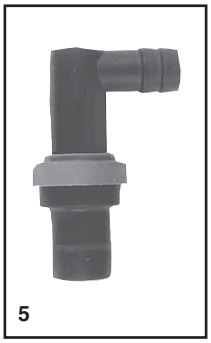
2



3



4



5

IMPORTANT

THIS SECTION IS TO BE USED AS A GUIDE ONLY. APPLICATION MUST BE VERIFIED IN THE APPLICATION GUIDE PB47

CHRYSLER/DODGE/PLYMOUTH

PART NUMBER	POP CODE	STYLE NUMBER	DESCRIPTION
407418	A	4	2000-90 Chry./Dod./Ply. (6), 1996-93 Mitsubishi (6)

FORD

PART NUMBER	POP CODE	STYLE NUMBER	DESCRIPTION
40749	AA	3	2002-76 Ford/Lincoln/Mercury/Ford Truck (8)

GENERAL MOTORS

PART NUMBER	POP CODE	STYLE NUMBER	DDESCRIPTION
40722	A	1	2006-82 GM (8), 2008-96 GMC
40726	AA	2	1998-74 GM (8)
40729	AA	2	1996-78 GM, GMC (6)
40770	AA	1	2008-86 GM/GMC Trucks (6)

HONDA

PART NUMBER	POP CODE	STYLE NUMBER	DESCRIPTION
407401	B	5	2002-88 Honda (4), 2004-88 Toyota, Lexus (4, 6)

TOYOTA

PART NUMBER	POP CODE	STYLE NUMBER	DESCRIPTION
407401	B	5	2002-88 Geo/Honda/Isuzu/Toyota (4, 6)

PCV VALVES/EMISSION CONTROL/OXYGEN SENSORS

PART NUMBER	A/C	CHAMP	CHRYSLER	FORD	FRAM	GM	SERVICE CHAMP	MOTOR CRAFT	PUROLATOR	I.D. #1	I.D. #2	OE IMPORT
40722	CV642C	PC74	--	D4AE-A	FV178	6484525	52245	EV-76	PV769	PA-57	AV-769	
	CV722C			D4AZ-A		6487530						
	CV746C			D4DE-A		6488041						
	CV769C			D4DZ-A		25040148						
	CV673C			D4FZ-A		25040151						
40726	CV772C	PC84	--	--	FV184	6487779	52208	EV-79	PV774	PA-72	AV-774	
	CV774C					25040144						
40729	CV789C	PC87	--	--	FV191	8995284	52218	EV-90	PV789	PA-88	AV-789	8-08995-2840
								EV-135				
40749	CV885C	PC194	--	D8ZE-A1A	FV198	25043864	54218	EV-98B	PV98B	PA-90	AV-98B	
				D9ZZ-A								
40770	CV892C	PC68	--	– –	FV299	25043843	52235	--	PV892	PA-191	AV-892	
407401	--	PC217	--	--	FV309	94343013	59241	--	PV1026	PA-232	--	12204-10020
												12204-11040
												17130-PK1-003
												17130-PR4-YO1
												8-94343-013-1
407418	--	PC236	MD139971	--	FV333	--	56208	--	PV1029	PA-257	--	

EGR VALVE CARBON FILTER GASKETS

Helps prevent rough idle, hesitation, surging and possible stalling, pinging, and malfunctioning indicator lamps (MIL) to be set.

- **Stop replacing expensive EGR valves when a low cost filter will do.**
- **EGR filters keep dirt and debris from entering the EVR and vacuum chamber.**
- **EGR valve is prone to carbon buildup, which causes pintle to stick.**
- **Filter gasket catches carbon before it enters EGR valve.**
- **Clogged or restricted filters restrict atmospheric air bleed causing improper valve function.**
- **Filter should be replaced every 5,000 to 10,000 miles.**
- **This problem solving filter gasket takes the place of the original equipment gasket.**
- **Corrects and repairs an original equipment problem.**
- **Screens are made from heat resistant stainless steel.**

*Refer to PB book PB71 - for specific applications.



FORD PFE/DPFE WITH BASKET - Part No. 321595

1997-84 Ford, Ford Truck, Lincoln, Mazda Truck, Mercury, Mercury Truck*

GM LINEAR - Part No. 321599

2002-1992 Buick, Cadillac, Chevrolet Cars & Trucks, GMC Truck, Oldsmobile Cars & Trucks, Pontiac Cars & Trucks, Saturn*

GM 3.8L LINEAR - Part No. 321598

2003-1994 Buick, Chevrolet Cars & Trucks, Oldsmobile Cars & Trucks, Pontiac Cars & Trucks*

HOSE & CLAMPS

FUEL INJECTION HOSE

Designed for high pressure applications.

- Meets or exceeds performance requirements of Chrysler MSEA235, General Motors GM6163M, Ford ESE M2D325A, American Motors AM 3055 and SAE J30R9.
- Minimum .030" thick Fluorel® (3M Trademark) lined hose is impervious to emission and fuel penetration.
- Hypalon outer tube and cover resists harsh underhood conditions.
- Burst strength exceeds 900 PSI.
- Can be used with virtually all fuels including gasoline, gasohol and diesel.

PART NUMBER	HOSE I.D. INCHES	HOSE O.D. INCHES	PACKAGE QTY. FOOT PER ROLL
421120	1/4"	7/16"	10 or
	(6.3mm)	(11.5mm)	25
421121	5/16"	17/32"	10 or
	(8.0mm)	(13.5mm)	25
421122	3/8"	5/8"	10 or
	(10mm)	(15.5mm)	25

FOR DOMESTIC AND IMPORT FUEL INJECTED VEHICLES



Requires Special Lined Fuel Injection Hose Clamps Shown Here

TYPE "G" FUEL INJECTION HOSE CLAMPS

PART NUMBER	CLAMPING RANGE MINIMUM - MAXIMUM	HOSE I.D.	QTY
10244	5/16 - 13/32	5/32	12
	8mm - 10mm	4mm	
10245	3/8 - 15/32	7/32	12
	9.5mm - 12mm	5.6mm	
10297	7/16 - 1/2	1/4	12
	10.5mm - 13mm	6.3mm	
10246	15/32 - 9/16	9/32	12
	11.5mm - 14mm	7.2mm	
10298	1/2 - 19/32	5/16	24
	12.5mm - 15mm	8mm	
10299	17/32 - 5/8	3/8	12
	13.5mm - 16mm	9.6mm	

- Full 360° liner - unbroken inner band.
- Required for fuel injection hoses.
- Rounded edges, with hex slotted screw head.
- Plated.







Part No. 10300
36 pieces • 6 items
12032 plastic tray

10244 **10246** **10298**
10245 **10297** **10299**

Numbers in assortment

FUEL, EMISSION, PCV, VACUUM & WIPER HOSE

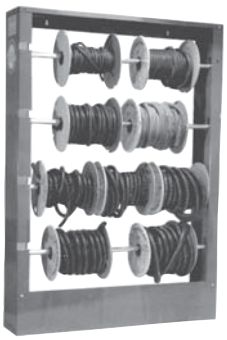
- Hypalon outer cover - for temperatures up to 275°F.
- Nitrile inner tube fuel line - resists alcohol, ethanol, methanol and most other gasoline additives.
- Heavy synthetic reinforcement - rated up to 250 PSI burst pressure.
- Heavy wall vacuum hose - kink resistant, heat resistant, will not collapse.

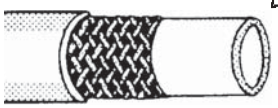
HYPALON FUEL LINE HOSE					
PART NO. 25' SPOOLS		I.D. INCHES	O.D. INCHES	FITS CONN. INCHES	FITS CONN. MM
10903	C	3/16	11/32	3/16	5
10905	C	1/4	1/2	1/4	6, 7
10906	A C	5/16	9/16	5/16	8
10907	A C	3/8	5/8	3/8	9, 10
10920	A C	7/16	11/16	7/16	11

EPDM UNIVERSAL VACUUM & WIPER HOSE					
PART NO. 50' SPOOLS		PART NO. 100'' ROLL BOXED	I.D. INCHES	FITS CONN. INCHES	FITS CONN. MM
11413	C	11414	7/64	1/8	3
11415	A C	11416	5/32	3/16	4
11417	A C	11418	7/32	1/4	5, 6
11419	A C	11420	9/32	5/16	7

HYPALON PCV & EMISSION HOSE				
PART NO. 25' ROLL BOXED	I.D. INCHES	O.D. INCHES	FITS CONN. INCHES	FITS CONN. MM
10918	11/32	5/8	3/8	9
10919	15/32	3/4	1/2	12

A Contained in asst. 10900 C Contained in asst. 10950





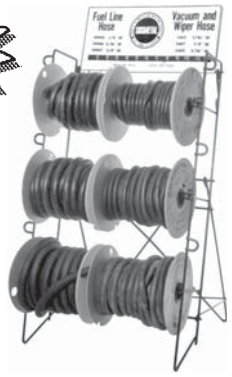
MASTER ASSORTMENT

Includes 9 rolls in 9 sizes
Part No. 10950

Includes rack - **Part No. 12057**

Racks mount on wall or counter.

CONFORMS TO SAE J30R7 SPECIFICATIONS



STARTER ASSORTMENT

Includes 6 rolls in 6 sizes
Part No. 10900

Includes rack - **Part No. 12010**

FUEL LINE HOSE IS NOT FOR FUEL INJECTION SYSTEMS

VACUUM HOSE FITTINGS

UNIVERSAL TEE



PART NUMBER	TUBING SIZE INCHES	QTY
11504	1/8 thru 3/8	12

5-WAY HOSE TEE



PART NUMBER	INCHES	QTY
11522	3/16	12

HOSE TEES



PART NUMBER	INCHES	QTY
11517	1/8	25
11512	5/32	25
11513	3/16	25
11514	1/4	25
11515	5/16	25
11516	3/8	25

"Y" HOSE CONNECTORS



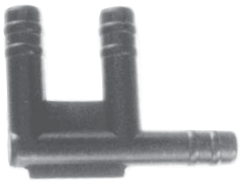
PART NUMBER	INCHES	QTY
11531	3/16	25
11524	1/4	25

HOSE ELBOWS



PART NUMBER	INCHES	QTY
11534	3/16	25
11535	1/4	25

"F" HOSE ELBOWS



PART NUMBER	INCHES	QTY
11537	3/16	25

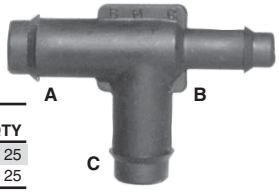
HOSE CONNECTORS

PART NUMBER	INCHES	QTY
11505	1/8	25
11506	3/16	25
11507	1/4	25
11508	5/16	25
11509	3/8	25



CRANKCASE VENTILATION HOSE TEES

Ford Motor Co. Products
General Motors Products



PART NUMBER	INCHES A	INCHES B	INCHES C	OEM	QTY
11523	3/8	1/4	3/8	3970076	25
11538	3/8	3/8	1/4	GM-547826	25

REDUCING HOSE CONNECTORS



PART NUMBER	INCHES A	INCHES B	QTY
11533	1/8	3/16	25
11510	3/16	1/4	25
11511	1/4	3/8	25

UNIVERSAL CONNECTOR



PART NUMBER	TUBING SIZE INCHES	QTY
11503	1/8 thru 3/8	12

Note: 4mm is slightly larger than 5/32", .150 is slightly smaller than 5/32" / Also Note: All emission harness hoses & fittings are packed 5 to a box.

VACUUM HOSE FITTINGS & UNIVERSAL CARDED SPRINGS

VACUUM LINE CAPS

PART NUMBER	SIZE INCHES	LENGTH	OEM NUMBER	QTY
315112	1/8	5/8	---	50
315101	3/16	5/8	380614S	50
315145	3/16	1-3/8	C9AZ-9C492C	25
315102	1/4	11/16	380613S	50
315146	1/4	1-3/8	C9AZ-9C492B	25
315113	5/16	1-3/8	C9AZ-0C492B	25
315114	3/8	1-1/2	C9AZ-9C492A	25

- Universal application.
- Heat resistant rubber compound.





Part No. 315100
56 pieces • 7 items
12028 plastic tray

315101 315112 315114 315146
315102 315113 315145

Numbers in assortment

HOSE FITTINGS AND VACUUM CAPS

- Provides almost 100% coverage of all makes and models.





Part No. 501301L
272 pieces • 24 items • 12017 steel tray

11505	11510	11515	11531	315102
11506	11511	11516	11534	315112
11507	11512	11522	11535	315113
11508	11513	11523	11537	315114
11509	11514	11524	315101	

1/2 QUANTITY AVAILABLE ORDER NO. 501301M
Numbers in assortment

HOSE FITTINGS





Part No. 11502
114 pieces • 12 items
12038 plastic tray

11505	11508	11511	11514
11506	11509	11512	11515
11507	11510	11513	11516

Numbers in assortment

HEAVY DUTY RETURN SPRINGS



Part No. 321013



20 SPRINGS - 1 SIZE
8-1/2" overall length • 2" coil length
7/16" coil diameter • 3/64" wire diameter

PEDAL RETURN SPRINGS

Universal applications



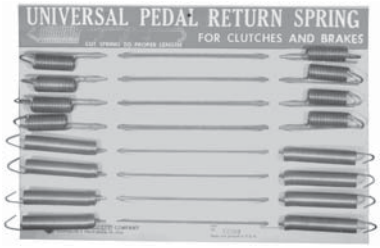
Part No. 321016



16 SPRINGS - 1 SIZE
17-1/2" overall length • 3-1/2" coil length
3/4" coil diameter • 3/32" wire diameter

ASSORTED PEDAL RETURN SPRINGS

For clutches, brakes and accelerators



Part No. 321009

16 SPRINGS - 2 SIZE
17-1/2" overall length - Cut to fit
8 Springs - 1-7/8" coil length
3/16" coil diameter • 1/8" wire diameter

8 Springs - 3-1/2" coil length
3/4" coil diameter • 3/32" wire diameter

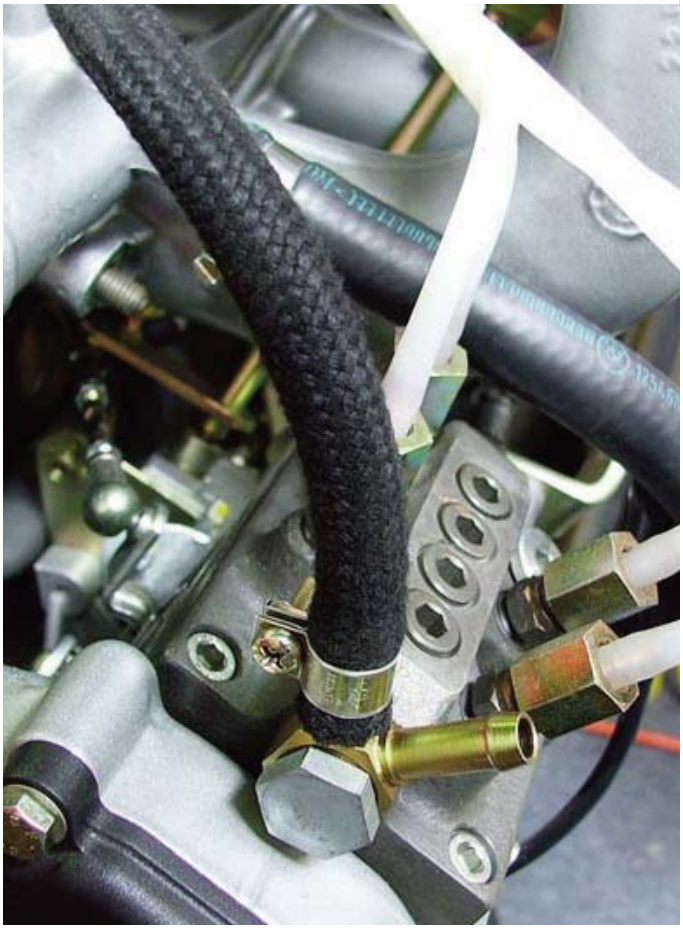
L SECTION UNDER THE HOOD SERVICE











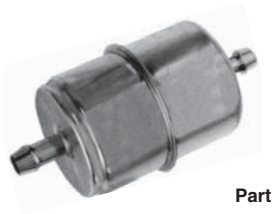


L11-3 PIX **PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.**

FUEL FILTERS

UNIVERSAL

5/16'' in-line **Pop. Rating: A**



All metal construction OEM
Domestic and Import applications.
Includes 2 hoses and 4 clamps
Fram: G-12, Purolator: F20011
S/C: 50052

Part No. 324402 (12)

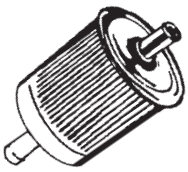
5/16'' in-line **Pop. Rating: A**



See-through nylon construction.
Domestic and Import applications.
Includes 2 hoses and 4 clamps.
Fram: G-2, Purolator: GF-11

Part No. 324404 (12)

3/8'' in-line **Pop. Rating: B**



See-through nylon construction.
Domestic and Import applications.
Fram: G-15, Purolator: F21111
S/C: 50050

Part No. 324403

One filter fits both 6mm and 8mm fuel hose. **Pop. Rating: A**

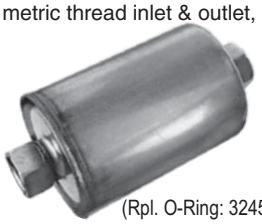


All years/models Audi, Colt, Courier, Fiat, Honda, Opel, Porsche, Renault, Saab, Volkswagen and many others.
Fram: G-4164, Purolator: F21124

Part No. 324420 (12)

GENERAL MOTORS

metric thread inlet & outlet, 16mm x 1.50 pitch **Pop. Rating: AA**



(Rpl. O-Ring: 324525)

2008-82 General Motors Prod.
2000-93 Isuzu
2008-91 Jaguar
2004-91 Rover
100% Stainless Steel
For F.I. systems / mounted near fuel tank.
Fram: G-3727, AC: GF-481,
Purolator: F33144, S/C: 52066

Part No. 324445 6

3/8" inlet & outlet **Pop. Rating: B**



2007-00 GM & Various Saturn Products
1996-91 Buick 3.8L 5.7L (various)
1996-91 Cadillac 4.6L, 4.9L, 5.7L (various)
1996-94 Chevrolet Caprice 4.3L, 5.7L
2005-91 Chev., GMC Trucks 4.3L, 5.0L, 5.7L
1993-91 Olds. 3.8L, 5.0L, 5.7L (various)
1993-92 Pontiac Bonneville 3.8L
Fram: G-7333, Purolator: F64702, AC: GF-624, S/C: 52075

Part No. 324521

M16 x 1.5 outlet x 3/8" inlet tube **Pop. Rating: AA**



2007-92 Regal, Cavalier, Lumina, Cutlass Supreme, Grand Prix V6 3.1L, 3.4L
2005-92 Skylark, Achieva, Grand Am 4 cyl. 2.3L, 2.4L, V6 3.3L, 3.4L
2005-92 4 cyl. Cavalier 2.2L, Lumina 2.5L
Fram: G-7315, Purolator: F-54714
AC: GF-578, S/C: 52073

Part No. 324471

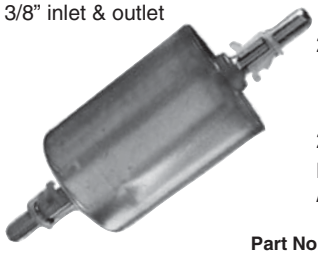
Pop. Rating: B



2006-97 Various Chev., GMC, Oldsmobile & Isuzu Trucks various 4 cyl., 6cyl. & 8 cyl.
Fram: G8219, Purolator: F55215
S/C: 52085

Part No. 324542

3/8" inlet & outlet **Pop. Rating: B**



2005-91 GM Full Size Cars/Trucks V6 3.8L (Buick, Cadillac, Oldsmobile, Pontiac, Chevrolet & GMC Trucks)
2006-99 Various Saturn Products
Fram: G-7333, Purolator: F64702
AC: GF-580, S/C: 52075

Part No. 324481

FORD / LINCOLN / MERCURY

5/16'' inlet and outlet **Pop. Rating: AA**



2008-83 Various Ford, Lincoln, Mercury FI 1.9L, 2.5L, 3.0L, 3.8L, 5.0L, (4, 6, 8 cyl.)
Includes 2 fuel filter clips.
Fram: G-3802A, Purolator: F63169
Motorcraft: FG-800, S/C: 54062

Part No. 324443 (10)

Pop. Rating: AA



2005-91 Ford Trucks & Vans V6 4.0L, 2.9L (1992 only) 6 cyl. 4.9L V8 5.0L, 5.8L, 7.5L
1996-91 Mazda Trucks
Fram: G-3850, Purolator: F-64711
Motorcraft: FG-872, S/C: 54066

Part No. 324473

FUEL FILTERS & INTERCHANGE

FORD / LINCOLN / MERCURY

8mm inlet and outlet

Pop. Rating: B

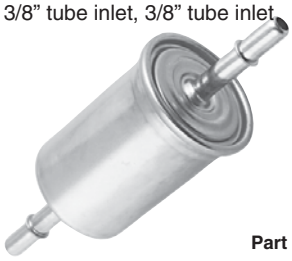


2008-00 Ford Focus 4 cyl.
2008-99 Ford Windstar V6 3.0L, 3.8L
Ford Crown Victoria V8 4.6L
Ford Mustang V6 3.8L, V8 4.6L
2008-00 Jaguar S-Type V6 3.0L, V8 4.0L
2008-99 Various Lincoln Models 6 & 8 cyl.
Fram: G8018, Purolator: F65277
S/C: 54073, Motorcraft: FG986B
OE: F89Z-9155A

Part No. 324552

3/8" tube inlet, 3/8" tube inlet

Pop. Rating: B

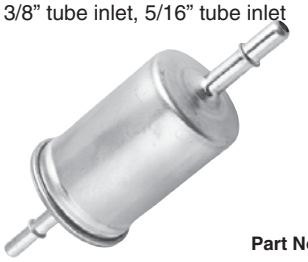


2008-03 Ford Explorer, Mustang,
Thunderbird V6-4.0L,
V8-3.9L, V8-4.6L
2008-03 Various Lincoln Products
Purolator: F65481, Motorcraft: FG-1011
S/C: FG1011

Part No. 324564

3/8" tube inlet, 5/16" tube inlet

Pop. Rating: B

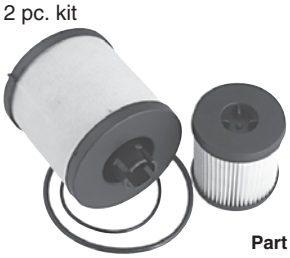


2002-99 Ford/Mercury Trucks
V6-4.0L, 3.0L
2002-99 Mazda Trucks V6-3.0L
Fram: G9910, Purolator: F65364
Motorcraft: FG-991, S/C: FG991

Part No. 324563

2 pc. kit

Pop. Rating: B



2007-03 Ford Excursion,
Super Duty P/U
V8-6.0L Turbo Diesel
Wix: 33599, Motorcraft: FD-4604
S/C: FD4604

Part No. 324565

IMPORTS

One filter fits both 6mm and 8mm fuel hose.

Typical 6mm use.

Pop. Rating: B



Typical 8mm use.

All years/models
Audi, Colt, Courier, Fiat,
Honda, Opel, Porsche,
Renault, Saab, Volkswagen
and many others.
Fram: G4164, Purolator: F21124

Part No. 324420 (12)

INTERCHANGE

PART NUMBER	OEM	AC	SERVICE CHAMP	FRAM	HASTINGS	MOPAR	MOTORCRAFT	NAPA	PUROLATOR	WIX
324402	Univ. 5/16 M	GF-94	50052	G-12	GF-10	L-202	FG-2	3032	F20011	33032
		—	—	—	—	L-606	GF-11-8	—	—	—
324403	Univ. 3/8 P	GF-61P	50050	G-15	GF-11	L-203	FG-8	3033	F21111	33033
324404	Univ. 5/16 P	GF-61	50054	G-2	GF-73	L-600	FG-2	3012	GF-11	33012
324420	Univ. 6/8 mm	GF-505	—	G4164	GF-95	L-603	—	3030	F21124	33030
	803-201-511C	G-4164	—	—	—	—	—	—	—	—
324443	E3FZ-9155C	GF-510	54062	G-3802A	GF-115	—	FG-800A	3097	F63169	33097
324445	25055046	—	—	—	—	—	—	—	—	—
	25055052	GF-481	52066	G-3727	GF-111	—	—	3063	F33144	33063
324471	25121293	GF-578	52073	G-7315	GF-258	—	—	3311	F-54714	33311
324473	FOTE-9155AA	—	54066	G-3850	GF-247	—	FG-872	3296	F64711	33296
	ZZLO-13-470	—	—	—	—	—	—	—	—	—
324481	25121351	GF-580	52075	G-7333	GF-246	—	—	3484	F64702	33484
324521	25121801	GF-624	52075	G-7333	—	—	—	—	—	—
324542	25168251	GF645	52085	G8219	—	—	—	—	F55215	—
324552	F89Z-9155A	—	54073	G8018	—	—	FG986B	—	F65277	33595
324563	XL5E-9155-AB		FG991	G9910	GF331		FG-991		F65364	33233
324564	2C5Z-9155-AA		FG1011		GF354		FG-1011		F65481	33243
324565	3C3Z-9N184-CA		FD4604		FF1145		FD-4604	3599		33599

FUEL LINE REPAIR

FUEL LINE REPLACEMENT KIT

★ Save Time & Money ★

- **COST-EFFECTIVE** - Save Up To 70% vs. OEM Fuel Lines.
- **EASY-TO-USE** - No Special Insertion Tools Required; Reduces Labor Time.
- **NUMEROUS APPLICATIONS** - Fits over 90% of domestic and foreign vehicles.
- **SAFE** - Nylon lines hold up to 200 PSI.

Replacement fuel lines use the latest, safest technology available; the same advanced technology used by new vehicle manufacturers.

— Thumb Release Convenience
— No Special Disconnect Tools Required
— Universal Quick Connects Fit GM, Chrysler & Ford

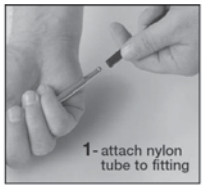


Part No. 324003

Easy Installation

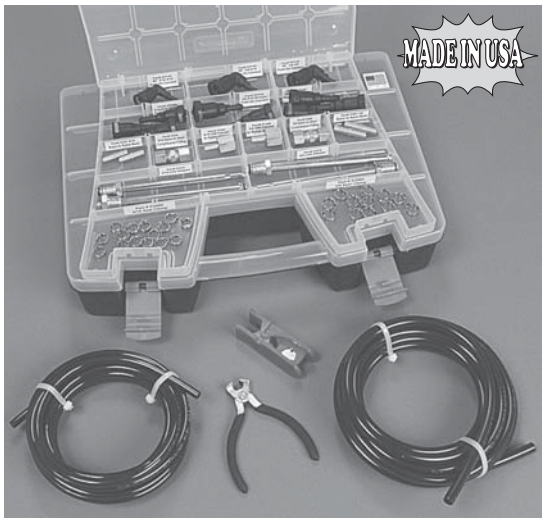
Typical installations can be completed in less than 5 minutes.

It's as simple as 1, 2, 3!









REPLACEMENT PARTS For Part No. 324003

PART NUMBER	DESCRIPTION	QTY
SURK005*	5/16 Nylon Tubing	25'
SURK010**	3/8 Nylon Tubing	25'
SURKP020	3/8 Straight Push Quick Connect	2 pkg.
SURKP030	3/8-5/16 Straight Push Quick Connect	2 pkg.
SURKP040	5/16 Straight Push Quick Connect	2 pkg.
SURK050	5/16 Nylon to Steel Compression Fitting	2 pkg.
SURK057	5/16 Nylon to Nylon Push-on Union	2 pkg.
SURK060	3/8 Nylon to Steel Compression Fitting	2 pkg.
SURK067	3/8 Nylon to Nylon Push-on Union	2 pkg.
SURK070	5/16 GM Line Adapter	2 pkg.

PART NUMBER	DESCRIPTION	QTY
SURK075	3/8 GM Line Adapter	2 pkg.
SURK095	5/16 GM Female to Nylon Line Adapter	1 pkg.
SURK100	3/8 GM Female to Nylon Line Adapter	1 pkg.
SURKP125	3/8 90 Deg. Push Quick Connect	2 pkg.
SURKP130	3/8-5/16 90 Deg. Push Quick Connect	2 pkg.
SURKP135	5/16 90 Deg. Push Quick Connect	2 pkg.
SURK2980	5/16 Seal Clamps	10 pkg.
SURK2982	3/8 Seal Clamps	10 pkg.
SURTC-1	Tubing Cutter	1 pkg.
SURCP01	Clamp Pliers	1 pkg.

OPTIONAL

*5/16 Nylon Tubing available in 50' rolls, order SURK00550.
**3/8 Nylon Tubing available in 50' rolls, order SURK01050.

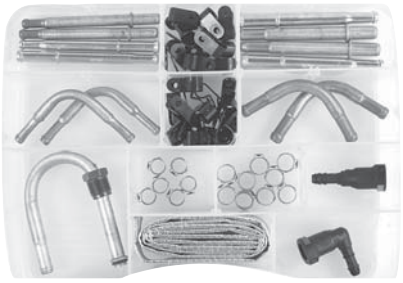
FUEL LINE ACCESSORY KIT

- **Increases the versatility of our Part No. 324003 Fuel Line Replacement Kit.**
- **Eliminates difficult fuel line routing problems.**
- **No special insertion tools required.**
- **Quick connects make connections simple & secure.**
- **Typical installations in less than 5 minutes.**



Part No. 324004





REPLACEMENT PARTS For Part No. 324004

PART NUMBER	DESCRIPTION	QTY
SURK140	5/16 Nylon to Hose Connector	2 pkg.
SURK145	3/8 Nylon to Hose Connector	2 pkg.
SURK150	5/16 Quick Connect to Nylon Connector	2 pkg.
SURK155	3/8 Quick Connect to Nylon Connector	2 pkg.
SUR51690	5/16 90 Degree Elbow	2 pkg.
SUR3890	3/8 90 Degree Elbow	2 pkg.
SUR38180	3/8 180 Degree GM Fuel Filter Line Adapter	1 pkg.

PART NUMBER	DESCRIPTION	QTY
SURK2980	5/16 Seal Clamps	10 pkg.
SURK2982	3/8 Seal Clamps	10 pkg.
SURKP035	5/16-3/8 Straight Push Quick Connect	2 pkg.
SURKP120	5/16-3/8 90 Degree Push Quick Connect	2 pkg.
SURTH516	5/16 Nylon Tube Holder	20 pkg.
SURTH38	3/8 Nylon Tube Holder	20 pkg.
SUR14005*	Heat Shield Sleeve	1 (5' roll)

OPTIONAL

*Heat Shield Tape available in 15' lengths, order **Part No. SUR14000.**

SECTION

L UNDER THE HOOD SERVICE















RADIATOR PRESSURE CAPS & TESTER

RADIATOR PRESSURE CAPS

REPLACES: Original Equipment Caps • Closed System Caps • Coolant Recovery Caps • Most Competitive Brand Caps

ROTO-LOCK™ SWIVEL



7 lbs.
SWIVEL STYLE
Part No. 126105

1990-55	Chev.Trucks	1995-85	John Deere
1994-52	Ford Trucks	1993-75	White Tractors
1995-65	Ford Tractors	1953-52	Willys Aero
1990-63	GMC Trucks		
1992-87	Isuzu (Medium & Heavy Trucks)		



13 lbs.
SWIVEL STYLE
Part No. 126106

1998-71	Ford	1995-77	John Deere
1995-84	Jeep	1995-77	Kubota Tractors
1993-72	Mazda	1995-79	Massey Ferguson
1996-61	Ford Trucks		Tractors
1995-76	Ford Tractors	1995-87	White Tractors



16 lbs.
SWIVEL STYLE
Part No. 126107



LEVER STYLE
Part No. 126112

1991-71	Buick	2003-71	GMC
2000-85	Cadillac	1996-75	Jaguar
2003-71	Chevrolet	2006-02	Jeep
2006-93	Chrysler	1997-94	Mazda
2006-93	Dodge	2006-02	Mini
1997-75	Ford, Lincoln, Mercury	2001-95	Plymouth

SPECIAL APPLICATIONS



13 lbs.
SWIVEL STYLE
Part No. 12679

1993-90	Acura	2001-90	Lexus
1998-87	Chrysler	2002-85	Mazda
2000-84	Dodge	2002-87	Mercury
1997-88	Ford	2002-83	Mitsubishi
1991-88	Honda	2003-84	Nissan
2005-86	Hyundai	2002-83	Subaru
2006-90	Infiniti	2003-82	Toyota
2006-95	Kia		



13 lbs.
SWIVEL STYLE
Part No. 126113

2002-98	Chevrolet	2006-03	Pontiac
2001-92	Dodge	2006-03	Scion
2006-90	Lexus	2006	Subaru
2004-92	Mitsubishi	2006-90	Toyota



16 lbs.
SWIVEL STYLE
Part No. 126114

2006-91	Acura	2006,	Mazda
2004-98	Chevrolet	2000	
2005-01	Chrysler	2006-01	Mitsubishi
2005-01	Dodge	2006-01	Subaru
2006-92	Honda	2006-89	Suzuki
2003-96	Isuzu	2003-92	Toyota
2006-98	Lexus		

RADIATOR PRESSURE CAP INTERCHANGE

PART NO.	NAPA	GATES	STANT	SERVICE CHAMP
12679	703-1443	31333	10227	10227
126105	703-1444	31526	10228	10228
126106	703-1445	31527	10229	10229
126107	703-1446	31528	10230	10230

PART NO.	NAPA	GATES	STANT	SERVICE CHAMP
126112	703-1451	31518	10330	10330
126113	703-2471	31411	10241	10241
126114	703-2472	31412	10242	10242

STANT RADIATOR TESTER

- **Now test up to 30 pound cooling systems and pressure caps.**
- **Lets you test today's cars higher pressure cooling systems and pressure caps up to 30 pounds.**
- **Cap testing pressure ranges of 17-19 lbs., and 28-30 lbs. Large color coded dial makes it easy to accurately test these higher pressure caps and systems.**
- **The head also includes a pressure release bar that when turned clockwise, releases pressure buildup before removing the head from the neck.**
- **Although this tester replaces the ST 255 (12255), all Stant pressure cap and cooling system adapters can be used on either tester. Stant even created a conversion kit, (270 1,12701) that allows you to convert your 255 (12255) to a ST270 (12270).**
- **Comes in it's own plastic carrying case with one 255 9 (12559) spacer to drop in 1" deep filler necks for testing, one 255 2 (12552) cap adapter to check 3/4" deep caps, and a complete easy to use instruction manual including cooling system and pressure cap testing Instructions as well as usage instructions and applications for all Stant adapters.**



Part No.
ST270

OIL FILLER and FUEL CAPS / MISC. LUBE SHOP ITEMS

OIL FILLER CAPS

For complete application info. on oil filler caps, please refer to *Parts Booklet #89*

pop. rating: A



Part No. 12674 6

OE Style

1996-71 Chevrolet
1996-71 GMC
1995-90 Oldsmobile
1995-85 Pontiac

Stant: 10072

pop. rating: A



Part No. 12689

2006-85 Ford
1999-86 Lincoln
2000-91 Mercury

Stant: 10100

pop. rating: A



Part No. 12694

2006-93 Chrysler
2006-93 Dodge
1998-93 Eagle
2004-94 Jeep
2006-02 Mini
2001-94 Plymouth

Stant: 10111

pop. rating: A



Part No. 12688

2006-98 Chrysler, Dodge
2006-85 Various GM Vehicles
2006-92 GMC
2006-00 Hyundai
2006-97 Isuzu
2006 Mitsubishi
2000-91 Saturn

Stant: 10099

pop. rating: A



Part No. 12691

2000-99 Cadillac
1996-90 Cadillac
2002-88 Chevrolet
2000-89 GMC
2002-96 Oldsmobile
2002-89 Pontiac

Stant: 10105

pop. rating: A



Part No. 12699

2006-00 Ford
2005-01 Lincoln
2006-01 Mazda
2006-01 Mercury

Stant: 10117

FUEL CAPS

pop. rating: A



Part No. 126817

1999-80 Dodge/Chrysler
2006-82 Ford
2006-75 GM
2006-83 Various Imports

Stant: 10817

pop. rating: A



Part No. 126841

2006-00 Chevrolet
2006-00 GMC

All NEW Yellow Flex Fuel Cap

FUEL CAP REFERENCE NUMBER/COMPETITIVE INTERCHANGE

PART NO.	STANT	NAPA
126817	10817	703-1231

PART NO.	STANT	NAPA
126841	--	--

• Now a required check for many states' emission testing programs • As many as 1 in 5 caps do not pass testing •
• Only a few numbers provide great coverage on this easy to replace, profitable item •
• Quality made in the U.S.A. • Up to date application guide •

"QUICK LUBE" ASSORTMENTS

COMPLETE DRAIN PLUGS

- Complete coverage; domestics, imports, luxury cars.
- Drain plugs - OEM styles and oversize self tappers.
- Differential plugs.
- Standard gaskets included where required.

PARTS BOOKLET PBSB SHIPPED WITH THIS ASSORTMENT



Part No. 323008
84 pieces • 32 items • 12062 steel tray

323157	323259	323417	323444	323527
323158	323268	323426	323506	323528
323159	323269	323427	323508	323535
323163	323271	323428	323509	323537
323192	323275	323432	323512	
323213	323276	323433	323517	
323214	323299	323441	323523	

Numbers in assortment

FAST MOVER DRAIN PLUGS and GASKETS

- Contains most popular domestic and import plugs.
- Excellent coverage on fast movers only.
- All OE style plugs.
- Color coded lidchart for easier identification.

PARTS BOOKLET PBSB SHIPPED WITH THIS ASSORTMENT



Part No. 323015
525 pieces • 28 items • 12062 steel tray

10810	10891	323163	323199	323280
10820W	10893	323181W	323216	323281
10822W	10899	323191	323224	323282
10823	323157	323192	323271	323286
10824	323158	323193	323275	
10825	323159	323196	323276	

Numbers in assortment

A FANTASTIC ADDITION TO INCREASE ADD-ON SALES.

POPULAR DRAIN PLUGS

- Standard, guide point, big head and M14 "short" style drain plugs are included.
- Lusterplated to resist rust.
- Supplied with gaskets.



Part No. 323004
44 pieces • 12 items • 12038 plastic tray

323157	323163	323432	323512
323158	323276	323508	323523
323159	323427	323509	323528

Numbers in assortment

OVERSIZE DRAIN PLUGS

- Contains only 1/2" & metric oversize drain plugs.
- For domestic & import vehicles.
- Lusterplated to resist rust.
- Gaskets supplied.



Part No. 323016
36 pieces • 6 items • 12047 plastic tray

10811	323277	323289
10812	323288	323290

Numbers in assortment

L14

OIL DRAIN PLUGS w/GASKETS (FRACTIONAL SIZES)



1/2"
3/4" Hex
Standard

Part No. 10810 (100)



1/2"
7/8" Hex
Extra Long
w/Guide Point
for fast easy threading
7/8" Hex Head

Part No. 10899 (100)



1/2"
7/8" Hex
7/8" Hex Head
No Guide Point

Part No. 323164 (50)



1/2"
5/8" Hex
Special rubber
gasket molded
onto drain plug

2006-90 Jeep Cherokee
1994-92 Chry. "Cab Fwd."

Part No. 323268 (25)



1/2"
9/16" Hex
OEM Style
washer head
for recessed drain holes
w/Guide Point

Part No. 323275 (100)



1/2"
3/4" Hex
Oversize

Part No. 10811 (50)



1/2"
Oversize

Part No. 10819 (50)



1/2"
3/4" Hex
Double
Oversize

Part No. 10812 (50)



1/2"
3/4" Hex
Triple Oversize

Part No. 323277 (25)



5/8"
13mm Hex
Standard

Part No. 323430 (12)



5/8"
7/8" Hex
Oversize

Part No. 10814 (25)

"ONE TIME" REPLACEMENT DRAIN PLUGS

Prevents oil pan damage from stripped threads. Install "ONE TIME" plug and just remove center plug on next oil change.



Removable Center Plug
Has Tapered Thread

1/2"
Standard Threads

Stop trouble before it occurs on troublesome Fords.

Part No. 323279 (12)

Removable Center Plug
Has Tapered Thread



Self-Tapping
Hardened Threads

Oversize Threads for Stripped Pans

PART NUMBER	SIZE (INCHES)	QTY
10806	1/2 oversize	5
10807	1/2 double oversize	5

OIL DRAIN PLUGS (METRIC SIZES)

13mm Hex

10mm x 1.50
OE Style

OEM:
Ford F81Z-6730-AA

2005-04 E-350 & E450 Econoline V8 6.0L (P) Turbo Diesel

Includes special molded rubber gasket on plug.



Part No. 323537 (6)

14mm Hex

12mm x 1.25

OE Style, Nissan

Yellow Dichromate plated



Part No. 323432 (25)

14mm Hex

12mm x 1.25

Dog Point
Nissan, Toyota



Part No. 323433 (25)

14mm Hex

12mm x 1.25

Nissan, Chevrolet
Nova, Toyota



Part No. 323157 (50)

19mm Hex

12mm x 1.25

Oversized
Self Tapping
Nissan, Chevrolet



Part No. 323288 (25)

3/4" Hex

12mm x 1.50

Oversized



Part No. 323536 (25)

13mm Hex

12mm x 1.50

Mercedes-Benz
Replaces:
123-997-04-30



Part No. 323211 (12)

11/16" Hex

12mm x 1.50

BMW
Replaces:
11-13-273-093



Part No. 323214 (6)

13mm Hex

12mm x 1.75
OE Style

OEM:
GM 11519408
Isuzu 8-11519-4-8-0

2006-05 Various GM Cars & Trucks 3.1, 3.4, 3.6, 3.8, 4.2, 4.6, 5.3, 6.0

2005 Isuzu Ascender 4.2L, 5.3L



Includes special rubber insert gasket.

Part No. 323535 (12)

12mm x 1.75

OE Style, GM, AMC

13mm Hex



Part No. 323158 (50)

14mm Hex

12mm x 1.75

Saturn

Includes special neoprene gasket. (also available separately #323296)

NOTE: Saturn recommends replacing earlier style drain plug with this new style.



Part No. 323259 (25)

13mm Hex

12mm x 1.75
OE Style

OEM: Ford YS4Z-6730-AA

Replaces: 323425

2006-95 Various Ford & Mercury Cars & Trucks

Includes special rubber insert gasket. Part No. 323519



Part No. 323517 (25)

15mm Hex

12mm x 1.75
OE Style

2006-92 Various GM Products

Includes special rubber insert gasket. (Part No. 323429)



Part No. 323427 (25)

15mm Hex

12mm x 1.75
OE Style

GM
1995-85 4.9
#3538469

Includes special rubber insert gasket. (Part No. 323429)



Part No. 323428 (25)

19mm Hex

12mm x 1.75

Oversized
Self Tapping
GM



Part No. 323289 (25)

L14

OIL DRAIN PLUGS w/GASKETS (METRIC SIZES)



12mm x 1.75
OE Style

2015-13 Chev. Sonic 1.8L

OEM: 55577568

Includes special "o" ring gasket (323539)
Not offered separately by GM.

Part No. 323556 (12)



12mm x 1.75
28.5mm under head length
15mm Hex

2006-99 Various Model Ford, Lincoln, Mercury Cars & Trucks

Rubber Molded around washer face.

Part No. 323526 (6)



12mm x 1.75
OE Style
15mm Hex

Magnetic

2006-96 GM Cars & SUV's
2000-Up GM Diesels 1500, 2500, 3500

Replaces:
2400042 & 88-891787

Includes special rubber insert gasket. (Part No. 323429)

Part No. 323512 (12)



12mm x 1.75
OE Style
15mm Hex

Includes special blue rubber insert gasket Part No. 323539

OE STYLE:
GM 11562588

Part No. 323538 (25)



19mm Hex

14mm x 1.25

Fits: Jeep Cherokee, CJ-7 etc.
1990-87 4 & 6 cyl. (258 engine)
1986-84 Various Models

OEM: 83501425

Part No. 323216 (25)



13mm Hex

14mm x 1.25

Jeep
Replaces:
83501425

Part No. 323505 (25)



14mm x 1.25

Ford Power Stroke
2006-94 E350 7.3L Turbo Diesel
2006-94 F250, F350 7.3L Turbo Diesel

OEM:
F6TZ-673-0AA
19mm Hex

Includes special copper gasket #323284

Part No. 323417 (25)



17mm Hex

14mm x 1.50
Short (10mm)

OEM: Honda
90009-PH1-000

Especially for Imports with limited clearance between pan & pump shield.

Part No. 323163 (100)



17mm Hex

14mm x 1.50
Long (15mm)

OEM: Honda
90009-PY3-000

2006-98 Accord 6 cyl. 3.0L
2006-96 Civic 4 cyl. 1.6, 1.7L
2006-99 Odyssey 6 cyl. 3.5L
2006-96 Prelude 4 cyl. 2.2L
2006-00 S2000 4 cyl. 2.0L

Includes special OE soft aluminum gasket (323224)

Part No. 323523 (50)



17mm Hex

14mm x 1.50
Longer (18mm)

OEM: Honda/Acura
90009-R70-A00

Also Replaces:
90009-PY3-000

Gasket offered separately use **Part No. 323224**

Part No. 323550 (12)



13mm Hex

14mm x 1.50

Regular Point
OEM:
Ford-E0FZ-67034
GM-3456849

Includes gasket #10893

Part No. 323159 (100)



13mm Hex

14mm x 1.50

Mercedes-Benz
Replaces:
601-997-02-30

Part No. 323213 (6)



19mm Hex

14mm x 1.50

Includes copper gasket. (Part No. 323284).
V.W. Jetta

Part No. 323258 (25)



16mm Hex

14mm x 1.50
w/Guide Point

OEM: E5AZ-6730A

Part No. 323276 (100)



17mm Hex

14mm x 1.50

OEM: #6503433
Chrysler 2.0L
Mitsubishi, Laser, Eclipse

Special molded rubber gasket on plug.

Part No. 323426 (25)

OIL DRAIN PLUG w/GASKETS (METRIC SIZES)

19mm Hex



14mm x 1.50

Oversized
Honda, ETC

NOT RECOMMENDED for use on Ford Products.

Part No. **323290** (25)



14mm x 1.50

Magnetic

Part No. **323297** (6)



14mm x 1.50

Cadillac Catera
1998-97 3.0L
OE#90502556

2005-03 CTS 3.2L, 3.6, 5.7
2005-00 Satum L300 3.0, 3.5
2005-02 Satum Vue 3.0, 3.5
2005 STS 3.6L, 4.6L

Includes special rubber "O" ring gasket #323507

Part No. **323506** 3

19mm Hex



14mm x 1.50

Volkswagen/Audi
OEM: N90813201

Includes integral Sems washer

Fits most models & engine sizes from late 90's thru 2017

Part No. **323527** (12)

13mm Hex



14mm x 1.50

Chrysler
OEM: 6507741AA

Replaces: 323446, 323518

Includes special rubber insert gasket (323529)

Fits most Dodge & Chrysler Models 2017-2000 w/4 & 6 cyl. eng.

Part No. **323528** (12)

16mm Hex



14mm x 1.50

2017-97 Ford Various Cars & Trucks

OEM:
Ford-F75Z-6730-BA

Includes special rubber insert gasket (323514)

Part No. **323508** (25)

13mm Hex



14mm x 1.50

2017-95 Ford, Mazda, Mercury Trucks Various Models

OEM:
Ford-F6TZ-6730BA

Includes special rubber insert gasket (323513)

Part No. **323509** (25)

19mm Hex



14mm x 1.50

2014 Mazda Various Cars & Trucks

OEM:
Mazda-B6S7-10-404A

Part No. **323416** (6)

17mm Hex



14mm x 1.50
OE Style

OE STYLE:
Hyundai/Kia
21512-2300

*Gasket offered separately use Part No. 323541

Part No. **323540** (25)

10mm Hex



14mm x 1.50
OE Style

2017-11 Chevrolet 1.4L, 1.8L Cruz, Volt & Sonic

OEM:
55568037

Includes special "o" ring gasket (323507)

Part No. **323547** (12)

T50 Torx



14mm x 1.50
OE Style

Audi/VW
OEM: N91 167901

Gasket offered separately use **Part No. 323261**

Part No. **323549** (12)

8mm Internal Hex



14mm x 1.50
OE Style

Mazda
OEM: FS50-21-249

Gasket offered separately use **Part No. 323541**

Part No. **323554** (12)

10mm Internal Hex





14mm x 1.50
OE Style

2016-14 BMW 2.0L Gas w/Turbo
2016-15 BMW 2.0L Gas w/Turbo w/o/ xdrive

OEM: 11-13-7-605-018

Includes special "o" ring gasket (323548) Not offered separately by BMW.

Part No. **323555** (12)

19mm Hex



16mm x 1.50

AMC, Renault, Peugot w/Volvo engine

Part No. **323195** (12)

14mm Hex



16mm x 1.50
OE Style

OE STYLE:
Subaru 807016160

*Gasket offered separately use Part No. 323546

Part No. **323545** (25)

L14

OIL DRAIN PLUG w/GASKETS (METRIC SIZES)

19mm Hex



16.4mm x 1.33

1986-On Nissan
1980-On Renault

Replaces:
11128-U8000

Part No. 323191 (25)

19mm Hex



18mm x 1.50

Toyota

OEM:
90341-18089

Part No. 323192 (25)

19mm Hex



18mm x 1.50

Volvo,
Toyota

Part No. 323435 (25)



18mm x 1.50

OEM: Chrysler
5080631AAA,
Cummins 3946645

2006-03 Dodge
5.9L Diesel

Rubber molded around the wshr. face 3/8" square drive sunken head

Part No. 323525 3

17mm Hex



18mm x 1.50
OE Style
Long (18mm under head length)

OE STYLE:
Volvo 982547-0
(also replaces 986833-0)

*Gasket offered separately use Part No. 323443

Part No. 323544 (25)

25mm Hex



19mm x 1.60

Volvo 4 cyl.
OEM: 948187-0

(Includes copper gasket #323293)

Part No. 323292 (6)



20mm x 1.50

Honda, Subaru
OEM: 807020010

17mm Hex

Part No. 323193 (25)



22mm x 1.50

OEM: BMW
11-13-1-250-089
Also Fits: Jeep Cherokee
Replaces: GM Truck Transfer Case Plug

19mm Hex

Part No. 323215 3



22mm x 1.50

OEM: Chrysler
4778578
2001-94 Dodge Ram 5.9 Cummins Diesel 3/8 drive
(Includes gasket #323445)

Part No. 323444 2



26mm x 1.50

Mercedes
Replaces:
130-997-00-32

Part No. 323212 3



26mm x 1.50

OEM: 059103193
Fits: late model Audi 90S 2.6L
(Includes gasket #323521)

7/8" Hex

Part No. 323520 (6)

SPECIALTY DRAIN PLUGS & LUBRICATION TOOLS

FORD PLASTIC CAM LOCKING DRAIN PLUG



- 2011 6.7L Powerstroke w/plastic pan design
- Can be hand tightened or used with standard 3/8" square drive.

OE: Ford BC3Z-6730A

Part No. 323542 (6)

AUDI/VW PLASTIC DRAIN PLUG



Audi/VW
OEM: 06L-103-801

- Includes special rubber "O" Ring Gasket **Part No. 323552**
- Special Plastic Removal Tool sold separately **Part No. 323553**

Part No. 323551 (12)

AUDI/VW PLASTIC REMOVAL/ INSTALLATION TOOL



- For removing or installing Part No. 323551 Plastic Drain Plug.
- Used instead of a screwdriver to help eliminate damage to the Plastic Drain Plug (323551) during installation and/or removal.

Part No. 323553 (6)

"ONE TIME" REPLACEMENT DRAIN PLUGS

Prevents oil pan damage from stripped threads. Install "ONE TIME" plug and just remove center plug on next oil change.



12mm x 1.25

Single
Oversized

Part No. 323294 (12)



12mm x 1.75

Single
Oversized

Part No. 323222 (12)



14mm x 1.50

Single
Oversized

NOT RECOMMENDED for use on Ford Products.

Part No. 323295 (12)

RUBBER TYPE EMERGENCY DRAIN PLUGS

FOR ALL RUBBER TYPE DRAIN PLUGS, NOTE THIS SPECIAL WARRANTY AND DISCLAIMER: There are no express warranties which extend beyond the description on the face hereof. **SELLER DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR ANY PARTICULAR PURPOSE.** Since Seller can't control the manner of use of it's products after their sale, seller will not be responsible for any consequential or indirect damages.

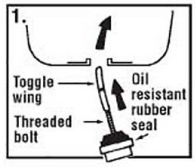
IMPORTANT INSTALLATION TIP
File drain hole threads until smooth. Sharp threads will cut rubber and cause leaks.

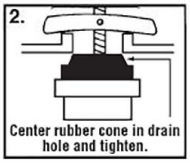
UNIVERSAL TOGGLE DRAIN PLUG

- *Fast N' Easy* to install.
- Fits 1/2" (12mm) to 3/4" (19mm) drain holes.
- Works just like the well known toggle bolt.
- Oil resistant rubber seal provides a leak-proof closure.
- DO NOT use on VW or HONDA.
- Make sure threaded bolt will not contact any internal parts before installation - bolt enters oil pan 1-5/8".



Part No. 323299 6





WINGNUT LOCKING DRAIN PLUGS

- Installs without tools.
- Special locking design prevents wing nut from vibrating loose.



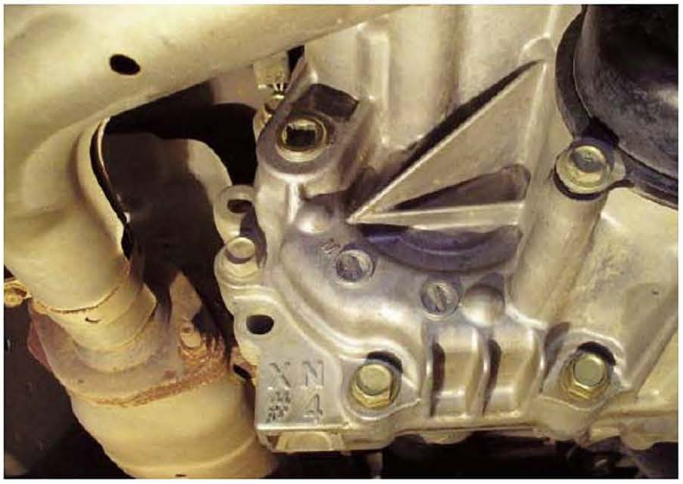
PART NUMBER	SIZE INCHES	QTY
108100	1/2	3
108101	5/8	3

L14

L SECTION UNDER THE HOOD SERVICE













PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.

SPECIALTY DRAIN PLUGS & LUBRICATION TOOLS

CHRYSLER DIFFERENTIAL

- Fits millions of vehicles since 1977.
- Eliminates leaks - Don't take chances with old rotted plugs.
- 3/4" size.
- OE duplicate.



Part No. 323273 (25)

TRANSMISSION and TRANSFER CASE PLUGS

- Ford aluminum plug.
- Replaces OE# E7TZ-7A010A.
- 1/2" plug with 3/8" drive.
- 3/8" drive eliminates stripping problems associated with OE 10mm drive.



Part No. 323269 4

4WD TRANSFER CASE DRAIN PLUG

GM, FORD, CHRYSLER, JEEP

- Fits all 4 wheel drive pick-up trucks & sport utility vehicles equipped with New Process transfer case.
- About 90% coverage.
- Includes plastic washer to provide proper sealing.
- 30mm hex head.
- M22-1.50 pitch.



Part No. 323298 (6)

GM TRANSFER CASE PLUG

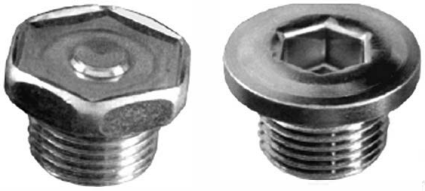


- 3/8" aluminum pipe plug.
- OE style.
- Replaces OEM #15032997.

2002-98 "K" body transfer case

Part No. 323524 (25)

TOYOTA TRANSMISSION/ TRANS AXLE



- 2 plugs - 1 fill and 1 drain.
- 18mm x 1.50.
- OE style.
- Gasket included (Part No. 323443).

PART NUMBER	OE NO.	APPLICATION	STYLE	QTY
323441	90341-18006	fill plug	hex	12
323442	90341-18016	drain plug	socket	12

JEEP/LEXUS/TOYOTA TRANSMISSION PLUG



- 10mm x 1.50
- OEM:
  Lexus-90341-10012, 90341-10006
  Jeep-83504041
  Gasket included (Part No. 323511).

1995-88 Jeep 4.0L
1997-89 Lexus/Toyota
1997-85 Toyota

Part No. 323510 (25)

L14

HELI-COIL OIL DRAIN PAN REPAIR KITS

Repairs stripped threads in oil pans. Allows original drain plug to be used to give leak-tite seal.



- Saves the time and cost of replacing oil drain pans in Ford Products (1/2") and Honda/Acura (14mm).
- Made by Heli-Coil, the industry leader in thread repair.
- Simple 3 step process which can be performed with very little training:
  1. Drill out the damaged threads using the drill size specified.
  2. Tap. Use the Heli-Coil tap supplied in the kit.
  3. Install. Use the installation tool and inserts supplied in the kit. Now you are back to the original size hole and the original size plug can be used.

Kit Contents:
Tap, Installation Tool, Inserts

THREAD SIZE	COMPLETE KIT PART NO.	INSERTS PER KIT
1/2" - 20	713205	6
14mm x 1.5	713210	6

Replacement Parts:

TAP PART NO.	INSTALLATION TOOL PART NO.	INSERT PACKAGE PART NO.	PKG'D INSERT QTY	DRILL* SIZE
713206	713207	713208	6	33/64
713211	713212	713213	6	9/16

*Drills not included in kits. See section D10 for drills.

KIT!

Solve Leaky Drain Plug Problems Fast!

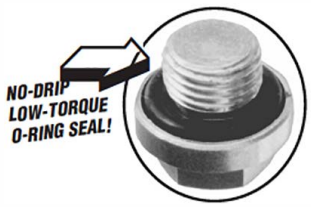


- Newly designed plug fixes 14mm plug leaks on Hondas.
- Used in many 14mm x 1.50 problem applications.
- Seals all the way to the thread with special o-ring design gasket.
- Larger sealing surfaces requires minimal torque (10 ft lbs) for effective installation.
- Seals without distortion to pans or threads.

REPLACEMENT PARTS for KIT AVAILABLE

REPLACEMENT PARTS SIZE	DESCRIPTION	PART NUMBER	COLOR
14mm	Std. Tap	323411	--
14mm	O.S. Tap	323412	--
14mm	Std. Plug	323413	Gold
14mm	O.S. Plug	323414	Silver
14mm	Gasket	323415	--







Part No. 323410
117 pieces • 5 items
12029 plastic tray

323411 323413 323415
323412 323414

Numbers in assortment

MISCELLANEOUS & DRAIN PLUG GASKET ASSORTMENTS

STEEL PLUGS

For use in oil sumps, compressors, pumps, small engines, transmissions and rears (no gaskets required).



*Most popular automotive size.

SIZE/INCHES TAPERED PIPE THREAD	HEX HEAD PART NUMBER	QTY	HEX SOCKET HEAD PART NUMBER	QTY	SQUARE SOCKET HEAD PART NUMBER	QTY
1/4	---	-	323206	12	---	-
3/8	---	-	323207	12	323270	12
1/2	323203	12	323208	12	323271*	25
3/4	---	-	323209	6	323272	6

DIN 906



SIZE/MM TAPERED PIPE THREAD	METRIC HEX SOCKET HEAD PART NUMBER	QTY
18mm x 1.50	323501	6
20mm x 1.50	323502	6
22mm x 1.50	323503*	6

*Part No. 323503 fits:
2000-Up Chrysler/Dodge
Diesel transfer case
NOTE: (2) plugs required per vehicle.

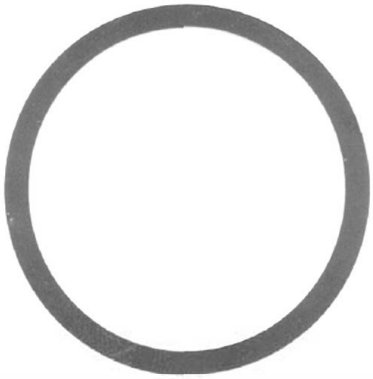
GM DRAIN PLUG PLATE



- For those "canister type' filters that sit on the oil pan.
- Exact OEM style.
- Comes complete with gasket.

Part No. 323274 3

GM DRAIN PLUG PLATE O-RING



- This 'O' ring fits inside the metal plate.
- Prevent problems - change gasket on every oil change.

I.D. 85mm

1992-87 GM 4 cyl. 2.5L
OEM: GM - 10038854

Part No. 323100 (12)

"MASTER LUBE SHOP"

Consists of popular size gaskets in nylon, fibre, copper flat, copper crush, aluminum, special gaskets for GM, Honda, BMW, Mercedes, Volkswagen, Subaru, Hyundai and Toyota.

PARTS BOOKLET P853 SHIPPED WITH THIS ASSORTMENT



Part No. 501481
488 pieces • 32 items • 12062 steel tray

10820W	323181W	323260	323284	323443
10822W	323196	323261	323286	323445
10825	323197	323262	323291	323507
10886	323199	323280	323293	323513
10891	323224	323281	323296	
10893	323227	323282	323429	
323160	323230	323283	323431	

Numbers in assortment

MASTER DRAIN PLUG GASKETS

- All sizes covered.
- Four different types: copper, aluminum, nylon and fibre.

PARTS BOOKLET P853 SHIPPED WITH THIS ASSORTMENT



Part No. 323150
1135 pieces • 32 items • 12062 steel tray

10820W	10893	323244	323283	323431
10821	323160	323260	323284	323445
10822W	323181W	323261	323286	323507
10823	323196	323262	323291	323519
10824	323197	323280	323293	
10825	323199	323281	323296	
10891	323224	323282	323429	

Numbers in assortment

POPULAR GASKETS

- Contains our most popular gaskets.
- Minimum investment/maximum coverage.



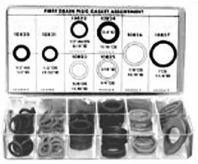
Part No. 323013
211 pieces • 12 items • 12038 plastic tray

10820W	10889	10895	323224
10822N	10891	323196	323226
10824	10893	323199	323281

Numbers in assortment

FIBRE GASKETS

- Includes standard, oversize and double oversize gaskets.
- 1/2", 5/8", 11/16", 3/4", 7/8", and 1" sizes.



Part No. 10803
120 pieces • 8 items • 12030 plastic tray

10820N	10822N	10824	10826
10821	10823	10825	10827

Numbers in assortment

VITON INSERT DRAIN PLUG GASKETS



Part No. 323000
103 pieces • 4 items • 12028 plastic tray

323281	323286	323439	323440

Numbers in assortment

SPECIALTY DRAIN PLUG GASKETS

VITON INSERT OIL DRAIN PLUG GASKETS

Our most popular gaskets for a leak proof seal. Metal encased rubber seal gaskets.

- **1/2" and 12mm.**

2005-87
GM Products
OEM:
GM - 14090908



Std. Replacement
Part No. 323281 (100)

Original OE
Part No. 323132 (100)

- **14mm.**

1998-89
Ford Products
OEM: F3DZ-6734-A



Std. Replacement
Part No. 323286 (100)

Original OE
Part No. 323140 (100)

- **16mm.**

For hard-to-seal pans.



Part No. 323439 (25)

- **18mm.**

For hard-to-seal pans.

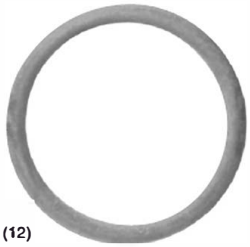


Part No. 323440 (25)

AUDI/VW

- **26mm gasket.**
- OE copper.

Audi 90S 2.6L
2001-72 VW
except late
model Beetle



Part No. 323521 (12)

VOLVO

- **19mm** gasket for 4 cyl. engines.
- OE copper.



Part No. 323293 (50)

RIBBED NYLON

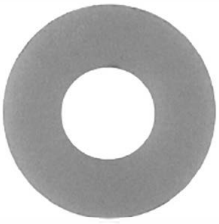
- A triple defense against leaks - 3 concentric rings will either flatten or remain raised, depending on pan's surface imperfections.
- Internal tabs allow gasket to fit tightly and remain properly positioned.



SIZE	PART NUMBER	QTY
12mm	323188	100
14mm	323189	100
1/2	323190	100

SATURN

- **12mm** gasket made of Delrin.
- Original OE type gasket for Saturn.
- Will not replace new rubber gasket.



Part No. 323291 (50)

- **12mm.**
- NEW OE soft rubber design.
- OEM #21007240.
- Used with Drain Plug No. 323259.
- O-Ring like seal.



Part No. 323296 (25)

GM RUBBER INSERT "Blue"

- **12mm.**
- OE soft rubber design.
- O-ring like seal.
- Used with Drain Plug No. 323538

OE STYLE:
GM 12616850



Part No. 323539 (25)

FORD RUBBER INSERT

- **12mm.**
- OE soft rubber design.
- O-ring like seal.
- Used with Drain Plug No. 323517.



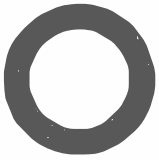
Part No. 323519 (25)

- **14mm.**
- OE soft rubber design.
- O-ring like seal.
- Used with Drain Plug No. 323509



Part No. 323513 (25)

- **14mm.**
- OE soft rubber design.
- O-ring like seal.
- Used with Drain Plug No. 323508



Part No. 323514 (25)

CHRYSLER RUBBER INSERT

- **14mm.**
- OE soft rubber design.
- Used with Drain Plug No. 323528



Part No. 323529 (25)

SPECIALTY DRAIN PLUG GASKETS

OE BMW O-RING FOR PLASTIC PLUG



- Not available separately from BMW.
- Fits BMW Plastic Drain Plug OEM: 11-13-7-706-018

2013-12 2.0L 328i, 528i, 528i Drive, Z4

Part No. 323548 (25)

OE MERCEDES / BMW



Extra narrow copper gasket needed for exact fit.

SIZE	PART NUMBER	QTY
12mm	323283	50
14mm	323284	50
26mm	323285	50

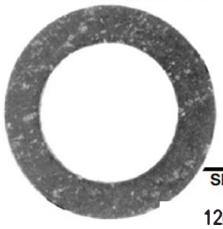
OE FOLD OVER



Fold over gaskets must be replaced on every oil change to prevent leaks.

SIZE	PART NUMBER	QTY	APPLICATIONS
14mm	323282	50	Hyundai 21513-21000
16mm	323546	25	Subaru 803916010
20mm	323280	50	Subaru 11126AA000

OE TOYOTA



- Extra sealing ability to handle imperfections in Toyota pan.
- Synthetic.

SIZE	PART NUMBER	QTY
12mm	323196	50
18mm	323199	50

OE FORD



- OE rubber "O" ring gasket.
- Use with Drain Plug No. 323542.

***NOT currently offered separately from Ford.**

Part No. 323543 (25)

GM INSERT



- **12mm.**
- OE soft rubber design.
- O-Ring like seal.
- Replacement gaskets used on GM OEM plug #3536964 and #3538469.
- Used with Drain Plug No.'s 323427 & 323428.

Part No. 323429 (25)

OE TOYOTA



- **12mm.**
- Metal/Teflon design.
- Toyota 1996-92 OEM #90430-12031 Lexus 1996-93.

Part No. 323431 (25)

OE HONDA



- **14mm.**
- OE size–OE soft aluminum.
- Soft aluminum is critical for Honda applications.

OEM: Honda - 94109-14000

Part No. 323224 (100)

OE TOYOTA TRANSMISSION



- **18mm.**
- OE aluminum.

OEM: 90430-18008

Part No. 323443 (25)

OE CHRYSLER

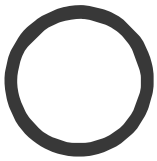


- **22mm.**
- Metal/rubber design.
- Dodge Ram 5.9 cummins diesel.
- Use with Drain Plug No. 323444.

OEM: 4882049

Part No. 323445 (25)

OE CADILLAC



- OE rubber "O" ring gasket
- Use with Drain Plug No. 323506

OEM: 90528145

Part No. 323507 (25)

JEEP/LEXUS/TOYOTA TRANSMISSION



- Use with Drain Plug No. 323510

OEM: Jeep-83504041 Lexus-35178-50010 35178-30010

Part No. 323511 (25)

HYUNDAI/KIA



- **14mm.**
- OE style aluminum
- Use with Drain Plug No. 323540

OEM: 21513-2300

Part No. 323541 (50)

AUDI/VW



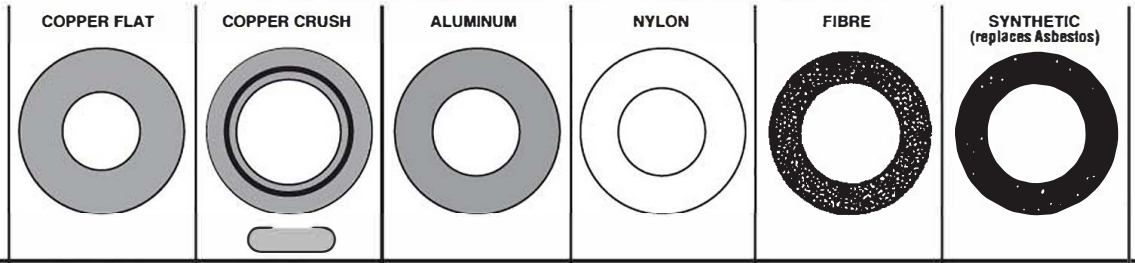
- OE rubber "O" ring gasket
- Use with Drain Plug No. 323551

Part No. 323552 (12)

DRAIN PLUG GASKETS and GREASE FITTINGS

FRACTIONAL/METRIC OIL DRAIN PLUG GASKETS

THE RIGHT TYPE and SIZE FOR ALL YOUR NEEDS



SIZE MM	COPPER FLAT	QTY	COPPER CRUSH	QTY	ALUMINUM	QTY	NYLON	QTY	FIBRE	QTY	SYNTHETIC	QTY	I.D.
12mm	323230	50	323260	100	---	-	323160*	100	323181+	100	---	-	--
---	323226	50	323133	100	323241	50	10891*	100	10820+	100	323196	50	1/2 Std
---	---	-	---	-	---	-	10892	100	10821	100	---	-	1/2 O.S.
14mm	323227	50	323261	50	323242	50	10893*	100	10822+	100	323197	50	1/2 D.O.S.
---	---	-	---	-	---	-	---	-	323179	50	---	-	5/8
16mm	323231	50	323262	50	323243	50	10895	100	10823	100	---	-	5/8 O.S.
18mm	323232	50	323263	50	323244	50	10888	100	10824	100	323199	50	11/16
20mm	323233	50	323264	50	323245	50	10889	100	10825	100	---	-	3/4
22mm	---	-	---	-	---	-	---	-	10826	100	---	-	7/8
24mm	---	-	---	-	---	-	---	-	---	-	---	-	15/16
25mm	---	-	---	-	---	-	---	-	10827	100	---	-	1
26mm	---	-	---	-	---	-	---	-	---	-	---	-	1-1/32

CODE CHART

MM - MILLIMETER
OS - OVERSIZE
DOS - DOUBLE OVERSIZE

ALL SIZES ARE I.D. (INSIDE DIAMETER) EXCEPT AS NOTED

* For **Double Thick** 1/2" I.D. Gasket:		Order No. 10885
For **Double Thick** 12mm I.D. Gasket:		Order No. 10886
For **Double Thick** 14mm I.D. Gasket:		Order No. 10887
+ For **Narrow** 3/4" O.D. Gasket:	1/2" I.D.	Order No. 10820N
	M14 I.D.	Order No. 10822N
	M12 I.D.	Order No. 323181N
For **Wide** 1" O.D. Gasket:	1/2" I.D.	Order No. 10820W
	M14 I.D.	Order No. 10822W
	M12 I.D.	Order No. 323181W

AUTOMOTIVE GREASE FITTINGS

- Contains the most popular standard and metric grease fittings.



Part No. 415103
400 pieces • 18 items • 12071 steel tray

10830	10834	10840	532094	532098
10831	10835	532091	532095	532099
10832	10836	532092	532096	
10833	10838	532093	532097	

Numbers in assortment

INDUSTRIAL GREASE FITTINGS

- Includes standard and giant button head styles.



Part No. 10809
294 pieces • 17 items • 12017 steel tray

10830	10834	10838	10842	10857
10831	10835	10839	10847	
10832	10836	10840	10848	
10833	10837	10841	10856	

Numbers in assortment

GREASE FITTING TOOL ASSORTMENTS

(STEEL) Part No. 10805 with Removing Tool
117 pieces • 13 items • 12029 plastic tray

10830	10833	10836	10842	532094
10831	10834	10838	10880	
10832	10835	10840	532091	

Numbers in assortment



(STEEL) Part No. 10804
116 pieces • 12 items • 12029 plastic tray

10830	10833	10836	10842
10831	10834	10838	532091
10832	10835	10840	532094

Numbers in assortment

SELF-TAPPING GREASE FITTINGS



Part No. 10951
35 pieces • 4 items • 12024 plastic tray

10982	10983	10984	10985

Numbers in assortment

METRIC GREASE FITTINGS



(STEEL) Part No. 53206
48 pieces • 9 items • 12030 plastic tray

532091	532094	532097
532092	532095	532098
532093	532096	532099

Numbers in assortment

GREASE FITTINGS

GREASE FITTING and BRAKE BLEEDER SCREW CAPS

Prevent clogged grease fittings & brake bleeder screws

- Used on automotive, construction, farm, mining and industrial equipment.
- Red color is easy to see.
- Fits all grease fittings & brake bleeder screws.
- Constructed of high strength plastic.

CAP with Integral Retaining Ring

Keeps cap on fitting during service.



Part No. 10849 (100)

GREASE FITTING EASY-OUT TOOL

- Removes 5/16" and 3/8" hex.
- Retaps 1/4-28 std. thread
- Removes 1/4-28 std. thread.



Part No. 10880

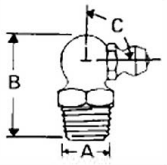
GREASE FITTINGS

For cars, trucks, machinery, industrial equipment.

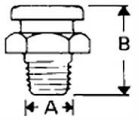
FITTING TYPE 1



FITTING TYPE 2



FITTING TYPE 3



L14

– HYDRAULIC –

- Precision engineered to OEM specifications.
- Designed to give full-flow lubrication without restriction.
- Check valve equipped for extended performance and reliability.

STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
10830	1	1/4-28 tapered	33/64	--
10975	1	1/4-28 tapered	11/16	--
10846	1	1/4-28 tapered	15/16	--
10831	1	1/4-28 tapered	1-1/8	--
10851	1	1/4-28 tapered	1-5/8	--
10832	2	1/4-28 tapered	13/16	45°
10833	2	1/4-28 tapered	29/32	45°
10834	2	1/4-28 tapered	3/4	90°
10976	1	1/4-28 UNF	1/2	--
10835	1	5/16-24 UNF	21/32	--
10837	1	3/8-24 UNF	21/32	--
10838	1	1/8 pipe	11/16	--
10977	1	1/8 pipe	1-1/4	--
10860	1	1/8 pipe	1-3/4	--

STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
10987	1	1/8 pipe	2-5/8	--
10839	2	1/8 pipe	29/32	30°
10840	2	1/8 pipe	29/32	45°
10841	2	1/8 pipe	27/32	65°
10842	2	1/8 pipe	27/32	90°
10844	1	1/4 pipe	11/16	--
10836	1	3/16 drive	33/64	--
10981	1	1/4 drive	39/64	--
10858	1	5/16 drive	9/16	--
10859	1	3/8 drive	19/32	--
10982	1	1/8 self tapping	5/8	--
10983	1	1/4-28 self tapping	17/32	--
10984	2	1/4-28 self tapping	7/8	45°
10985	2	1/4-28 self tapping	47/64	90°

– HYDRAULIC SELF-TAPPING –

- Tapered drive threads reshape material in a untapped hole providing a leak proof seal.
- Installed by spinning or driven straight into untapped hole.
- Dyed yellow for identification.
- Maximum pressure 10,000 PSI

STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
10982	1	1/8 pipe	5/8	--
10983	1	1/4-28 tapered	17/32	--

STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
10984	2	1/4-28 tapered	7/8	45°
10985	2	1/4-28 tapered	47/64	90°

– METRIC DIN 71412 –

STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
532091	1	6mm	13mm	--
532092	2	6mm	21mm	45°
532093	2	6mm	17mm	90°
532094	1	8mm	17mm	--
532095	2	8mm	21mm	45°
532096	2	8mm	17mm	90°
532097	1	10mm	18mm	--
532098	2	10mm	21mm	45°
532099	2	10mm	17mm	90°

– STANDARD BUTTON HEAD –

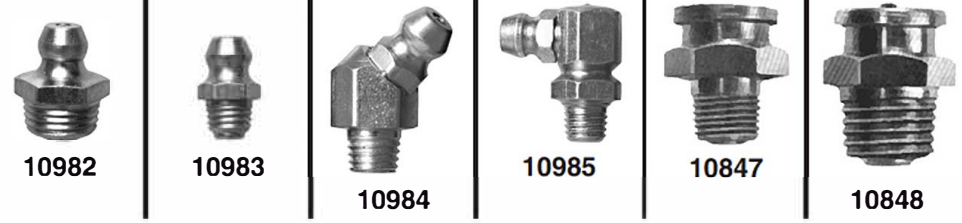
STEEL PART NUMBER	FITTING TYPE	A THREAD/STYLE	B	C
10847	3	1/8 pipe	3/4	--
10848	3	1/4 pipe	53/64	--

GREASE FITTINGS

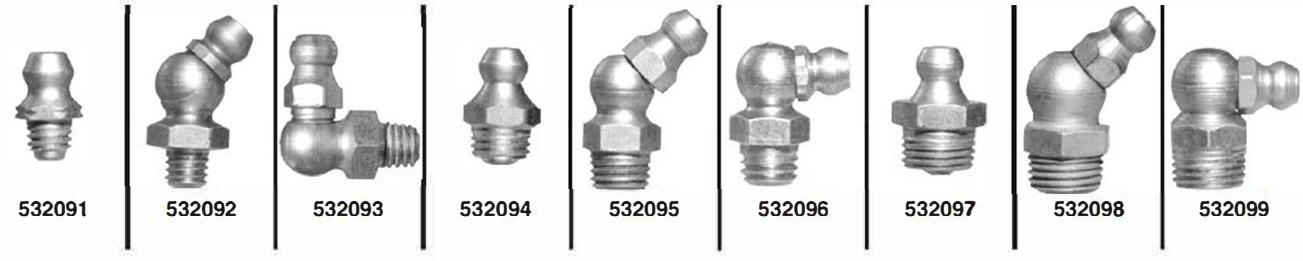
FRACTIONAL



SELF-TAPPING



METRIC

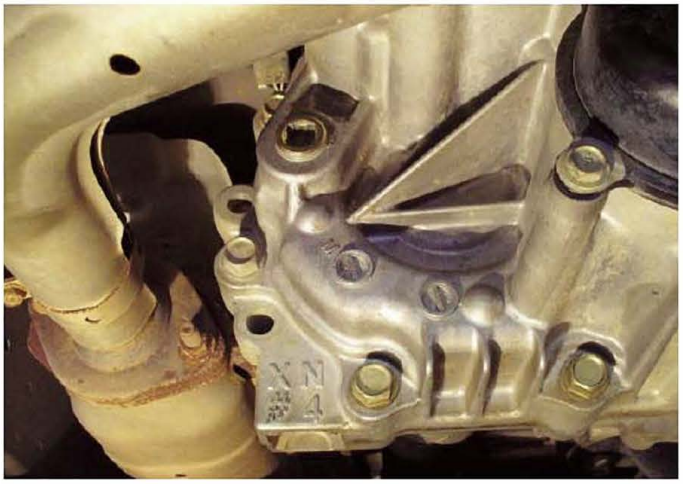


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L SECTION UNDER THE HOOD SERVICE











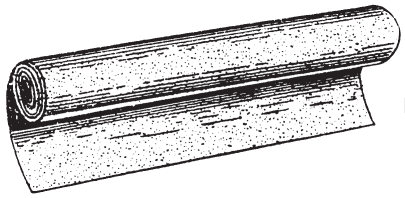


PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.

MISC. ENGINE HARDWARE & HEATER HOSE

SHEET GASKET MATERIAL

PART NUMBER	SHEET SIZE (INCHES)	MATERIAL
323156	18 x 36 x 1/16	Flexible Fibre
323187	12 x 20 x 1/16	High Temp Non-Asbestos
323185	12 x 36 x 1/8	Cork



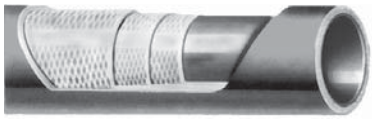
HANDY ROLL

SILICONE HOSE *For Maintenance Free Cooling Systems*

For trucks, buses, off-highway construction equipment, compressors, and generators.

PART NUMBER	HOSE I.D.	LENGTH	BURST PRESSURE (PSI) SAE J20E PART 1	REPLACES PUROSIL	REPLACES GATES
418312	2	3 ft.	200	70-200	24832
418313	2-1/4	3 ft.	175	70-225	24836
418314	2-1/2	3 ft.	150	70-250	24840
418315	2-3/4	3 ft.	125	70-275	24844
418316	3	3 ft.	100	70-300	24848

$200.00 MINIMUM ORDER OF COMBINED SIZES



Color: BLUE

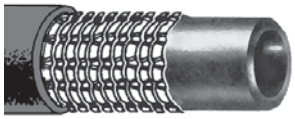
OUTLASTS CONVENTIONAL HOSE BY 6 TIMES

- Resists aging, ozone, chemicals, lubricants,hardening, and cracking.
- Flexible and resilient at temperatures as low as –65° F. Withstands temperatures to +350° F.
- Cuts operating cost and eliminates down time.
- Meets or exceeds operating requirements of SAE J20E, TMC, and OEM truck manufacturers.

RED INSULATED HEATER HOSE

Meets OEM & SAE 2 or 3 CLASS D2 SPECIFICATIONS

- Conquers the ozone problem and assures trouble - free service.
- 100% EPDM compound throughout, hose resists anti-freeze, high and low temperatures, abrasion, swelling, flaking and softening.
- Unexcelled insulation layer keeps heat inside the hose to provide maximum heater efficiency.
- OEM plus insulation layer.



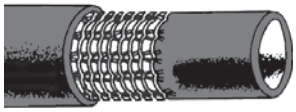
PACKED IN 50 FOOT ROLLS

PART NUMBER	SIZE
60709	1/2
60710	5/8
60711	3/4

OEM HEATER HOSE

Available in BLACK or RED

- Compounded to exact ***original equipment specs*** - will not soften, flake or swell.
- High strength synthetic reinforcement provides strength and flexibility.
- Special EPDM rubber tubing and cover for exceptional performance under extreme temperatures.
- Withstands corrosive additives and coolant solutions.



PACKED IN 50 FOOT ROLLS

RED PART NUMBER	BLACK PART NUMBER	I.D.
60707R	**60707B**	1/2
60705R	**60705B**	5/8
60706R	**60706B**	3/4
---	**60704B**	1

SILICONE HEATER AND COOLANT HOSE

Reduce operating cost & eliminate down time.

Silicone hose is intended for heating systems exposed to constant, high heat such as bus engine compartments, over-the-road and city diesels, or gasoline tractors. These systems must have a fail-safe heater hose system guaranteeing no coolant system failure due to hose problems.

- Durable and long lasting.
- Extremely flexible.
- OEM spec. for many H.D. trucks.
- **Construction tube** - silicone rubber, specially compounded for long life.
- **Reinforcement** - Braided glass fibers compatible with most anti-freeze. Braid expands for easy assembly to fitting.
- **Cover** - silicone rubber.
- **Temperature range** - (-65°F to +350°F).
- **Specifications** - SAE J20R3 Class A.

Old style EPDM rubber
-40°F to +250°F temp. capability

(6X Life) silicone
-65°F to +350°F temp. capability

- Color - Blue.
- Up to 10 years service life.

PACKED IN 25 FOOT ROLLS



6X Life

PART NUMBER	HOSE I.D.	BURST PRESSURE TYPICAL VALUES	BURST PRESSURE SAE J20R3 REQUIREMENTS	TMC	MIN. BEND RADIUS (INCHES)
418301	5/8	300	200	125	2
418302	3/4	300	200	125	2-1/2
418303	1	250	175	125	3

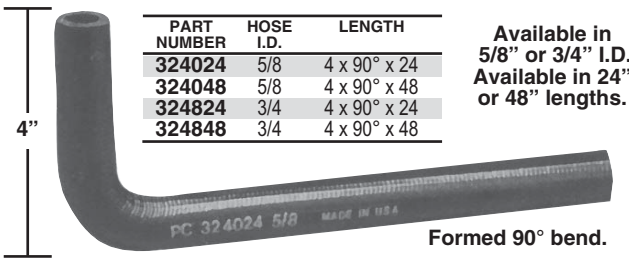
(TMC - truck motor vehicle code)

SURE-FIT™ HIGH-TEMP FORMED HEATER HOSE

- Eliminate kinked & crimped hoses.
- Only 4 hoses provide coverage for 2,500 applications.
- Over 70 million vehicles use formed heater hose.
- Cut and splice to form any shape using nylon hose splicers.

PART NUMBER	HOSE I.D.	LENGTH
324024	5/8	4 x 90° x 24
324048	5/8	4 x 90° x 48
324824	3/4	4 x 90° x 24
324848	3/4	4 x 90° x 48

Available in 5/8" or 3/4" I.D. Available in 24" or 48" lengths.



Formed 90° bend.

HEATER HOSE ACCESSORIES & HOSE FITTINGS

U-BEND HOSE COIL

INSTRUCTIONS

STEP 1
Slide the coil to where bend is required. Position spine on the inside of the intended bend.



STEP 2
Press spine until required bend is achieved



NOTE: Gradual bend in spine will achieve best results. Maximum bending angle 90°.

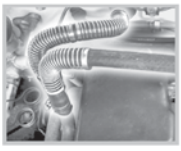
Eliminates the need for expensive formed or molded hoses. Bends to any shape you need!

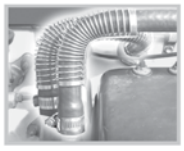
Contains: U-Bend coils, lined hose clamps and EPHA hose protectors and cable ties.



- **U-Bend Hose Coil allows you to bend straight hose into curved shapes.**
- **Only takes seconds to shape using hand pressure.**
- **Quality products made from stainless steel for lifetime service.**







Available in 3 sizes to fit water, oil, air & fuel hose applications.

PART NUMBER	HOSE I.D.	QTY
618441	1/2" - 12.7mm	2
618442	5/8" - 16mm	2
618443	3/4" - 19mm	2

Related Items (Page G15-24)



Available in 3 sizes! cable ties included

SIZES (INCHES) LENGTH x WIDTH	COLORS BLACK PART NO.	ORANGE PART NO.	YELLOW PART NO.	QTY
4 x 2-1/2	**618425**	**618426**	**618427**	10
6 x 3	**618428**	**618429**	**618430**	10
8 x 3-1/2	**618431**	**618432**	**618433**	10

These are wear shield products and are not suitable as patches or repairs for hoses, cables, lines, etc. that are already worn beyond safe use standards.

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HOSE ELBOWS



- **Nylon construction.**

HOSE SIZE (INCHES)	NYLON PART NUMBER	QTY
1/2	**408113**	12
5/8	**408114**	12
3/4	**408115**	12
1	**408135**	1

HOSE TEES



- **Nylon construction.**

HOSE SIZE (INCHES)	NYLON PART NUMBER	QTY
5/8	**408108**	2
3/4	**408109**	2
1	**408137**	1

HOSE SPLICERS



- **Nylon or metal construction.**

HOSE SIZE (INCHES)	NYLON PART NUMBER	QTY	METAL PART NUMBER	QTY
1/2	**408111**	10	**408120**	2
5/8	**408104**	10	**408121**	2
3/4	**408105**	10	**408122**	2
1	**---**	-	**408123**	2

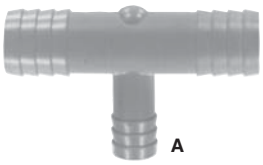
FORD HEATER HOSE QUICK DISCONNECT CONNECTORS



- **Includes retaining clip.**
- **O.E. replacement.**

PART NUMBER	APPLICATION	TUBE SIZE (INCHES)	HOSE SIZE (INCHES)	QTY
508544	1999-90 Ford Tuck	3/4	5/8	3
508545	1999-90	5/8	5/8	3

REDUCING HOSE TEES



- **Nylon or metal construction.**

HOSE SIZE (A)	HOSE SIZE (B)	NYLON PART NUMBER	QTY
1/2	3/4	**408116**	2

HEATER BY-PASS HOSE CAPS



- **Durable, heat resistant neoprene.**
- **Cap water pump, heater core & manifold outlets.**

HOSE SIZE (INCHES)	PART NUMBER	QTY
5/8	**315116**	24
3/4	**315117**	24

GM HEATER HOSE QUICK DISCONNECT CONNECTORS



- **Includes retaining clip.**
- **OE replacement.**

PART NUMBER	APPLICATION	HOSE SIZE (INCHES)	QTY
508887	1998-90 GM 3.1, 3.4, 5.7 (Corvette Only), 6.2	5/8	3

THE SYMBOL OF SERVICE
SOSMETAL PRODUCTS INC.
AUTOMOTIVE & INDUSTRIAL

HEATER LINE REPAIR and BRASS DRAIN COCKS

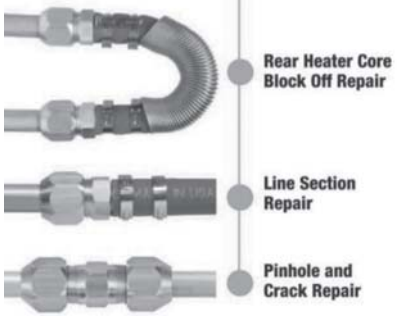
HEATER LINE REPAIR

Perfect for vans, SUV's and other vehicles with failed rear heater lines and systems.

- **Repair damages heater lines including pinholes, cracks, kinks, and more.**
- **Make connections easily by hand; no separate tools required.**
- **Covers most common SAE and metric lines including 1/2", 5/8", 13mm and 16mm. 3/4" also available (sold separately).**
- **OE style hose easy to route.**
- **On-the-car repairs made simple.**
- **Save hundreds on each repair!**

	PART NO.	LINE SIZE	DESCRIPTION	SOLD QTYS.
HEATER PARTS LISTING				
COMPRESSION UNIONS				
	**324015**	1/2" (13mm)	1/2" Heater Compression Union	1 each
	324016	5/8" (16mm)	5/8" Heater Compression Union	1 each
	324017	3/4"	3/4" Heater Compression Union	1 each
HOSE TO COMPRESSION UNION ADAPTERS - STRAIGHT Includes dual clamp				
	**324018**	1/2" (13mm)	1/2" Hose to 1/2" Compression Union	1 each
	324019	5/8" (16mm)	1/2" Hose to 5/8" Compression Union	1 each
	324020	3/4"	1/2" Hose to 3/4" Compression Union	1 each
HOSE				
	**324023**	Universal	1/2" Heater Hose 10'	10" Roll
	324025		1/2" Heater Hose 25'	25" Roll
DUAL CLAMP				
	**324026**	3/4"	3/4" Heater Hose Dual Clamp *Use with 1/2" Heater Hose*	5 each
HOSE SPRING				
	**324027**	3/4"	3/4" Heater Hose Spring *Use with 1/2" Heater Hose*	3 each
CLAMP PLIERS				
	**324028**	1/4" to 1"	360° Seal Clamp Pliers	1 each





PROUDLY MADE IN THE USA

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Easy Assembly

Repair lines in minutes. It's as simple as 1, 2, 3!


1 Place clamp onto hose, push adapter into hose


2 Crimp with clamp pliers


3 Tighten compression union onto aluminum line



DOUBLE SEAL TECHNOLOGY



Part No. 324014
13 pieces • 8 items

324015 324023
324016 324026
324018 324027
324019 324028

Numbers in assortment

BRASS DRAIN COCKS



SUPER VALUE PACK - 50 per box
Part No. 508245
Replacing GM No. 3663932

(Other package options available)

Numbers in assortment

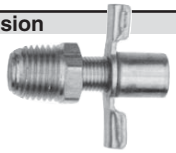
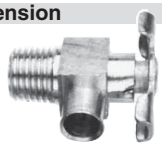
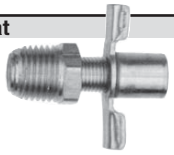
ILLUSTRATION	PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
Hose Extension	**508247**	6788	1/4	6
 Internal Seat				
90° Hose Extension	**508243**	6660	1/4	6
 External Seat				

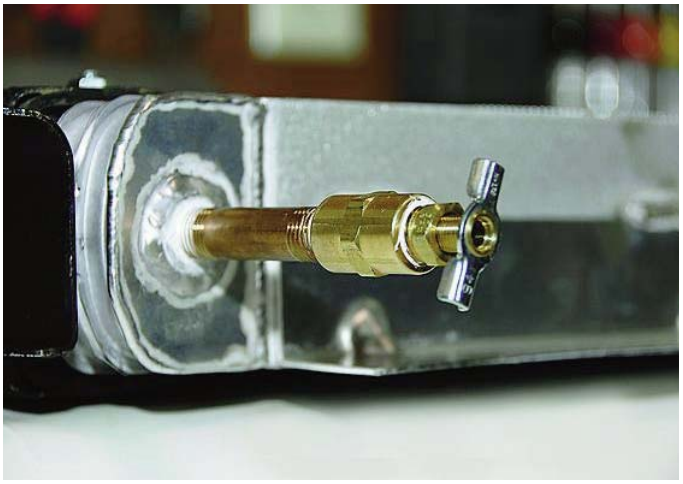
ILLUSTRATION	PART NUMBER	INDUSTRY NUMBER	PIPE THREAD	QTY
External Seat	**508244**	135	1/8	12
	**508245**	145	1/4	12
	508248	270	3/8	6
Internal Seat	**508271**	140	1/4	6
 Heavy Duty Long Neck Style				

L SECTION UNDER THE HOOD SERVICE













AIR CONDITIONING ASSORTMENTS

PRO-SERIES SERVICE ITEMS

Contains: O-Rings, Gaskets, Sealing Washers, Keyways, Shims, Fittings, Caps and Orifice Tubes, etc.

- **Made for the professional, this kit contain o-rings thru 2009 vehicles.**



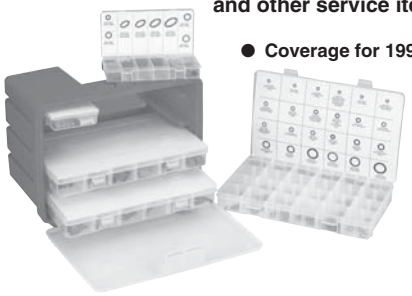
Part No. 923893
1006 pieces • 208 items

Heavy duty portable cabinet comes with a handle and snap lock cover.

DELUXE SERVICE ITEMS

Contains: O-Rings, Gaskets, Sealing Washers, Caps and other service items.

- **Coverage for 1995 thru 2009 vehicles.**



Part No. 924415
612 pieces • 120 items

R134a & R12 O-RINGS

R134a & R12 Compatible. Contains all Green HNBR O-Rings plus Square Cut Seals, Dual O-Ring Gaskets and Springlock Springs Chrysler, Ford, GM, some Honda & Toyota applications

- **Contains all small and medium size I.D. R134a O-Rings.**



Part No. 501690
740 pieces • 32 items • 12062 steel tray

923620	923717	923728	923739	923744	923780	923785
923710	923718	923732	923740	923775	923781	923789
923711	923720	923733	923741	923776	923782	
923712	923721	923737	923742	923777	923783	
923716	923727	923738	923743	923779	923784	

Numbers in assortment

R134a O-RINGS

R134a Compatible
Contains: Green HNBR O-Rings, Metal and Compressor Gaskets

- **Expanded coverage for all 2000 thru 2009 Domestic vehicles.**



Part No. 923850
203 pieces • 29 items • 12062 steel tray

923619	923853	923859	923865	923871
923729	923854	923860	923866	923873
923731	923855	923861	923867	923875
923786	923856	923862	923868	923877
923788	923857	923863	923869	923886
923852	923858	923864	923870	

Numbers in assortment

CHRYSLER O-RINGS

Coverage 1990-2009 O-Rings and Gaskets



Part No. 501781
204 pieces • 27 items • 12071 steel tray

923354	923448	923733	923781	923847	923859	923896
923358	923716	923741	923789	923856	923863	923897
923446	923717	923775	923843	923857	923866	923915
923447	923728	923776	923845	923858	923867	

Numbers in assortment

UNIVERSAL O-RINGS

R134a & R12 Compatible - Recommended for High Temperature Service
Contains: Green HNBR O-Rings

- **Available in double quantities, use Part No. 923031L.**



Part No. 923031
240 pieces • 23 items • 12045 plastic tray

923711	923721	923775	923779	923783	923787
923712	923722	923776	923780	923784	923788
923714	923727	923777	923781	923785	923789
923720	923728	923778	923782	923786	

Numbers in assortment

UNIVERSAL R134a O-RINGS

R134a & R12 Compatible - Recommended for High Temperature Service
Contains: Green HNBR O-Rings



Part No. 923617
180 pieces • 18 items • 12040 plastic tray

923711	923727	923775	923779	923784
923712	923728	923776	923780	923787
923713	923735	923777	923781	
923721	923736	923778	923782	

Numbers in assortment

CHRYSLER HOSE FITTING O-RINGS

Replaces OE red or green components. Contains: Green HNBR O-Rings



Part No. 923048
90 pieces • 7 items • 12032 plastic tray

923426	923620	923742	923745
923619	923718	923743	

Numbers in assortment

AIR CONDITIONING IMPORT O-RINGS

R134a & R12 Compatible - Recommended for High Temperature Service
Contains: Green HNBR O-Rings



Part No. 923601
143 pieces • 19 items • 12045 plastic tray

923730	923740	923744	923777	923784
923737	923741	923745	923780	923788
923738	923742	923775	923781	923789
923739	923743	923776	923783	

Numbers in assortment

FORD SPRINGLOCK COUPLING O-RINGS & SPRINGS

R134a & R12 Compatible - Recommended for High Temperature Service



Part No. 923025 (Standard OE Size)
60 pieces • 8 items • 12031 plastic tray

923446	923448	923775	923777
923447	923449	923776	923778

Numbers in assortment

Not for use in fuel fittings.

SLIM LINE SEALING WASHERS

GM Sealing Washers



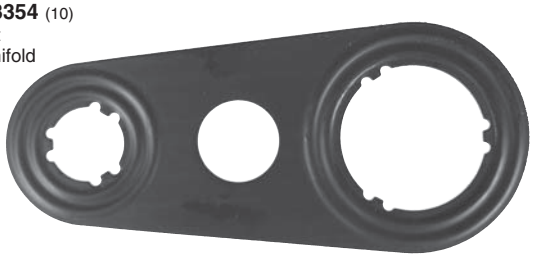
Part No. 923899
20 pieces • 4 items • 12037 plastic tray

923895	923896	923897	923898

Numbers in assortment

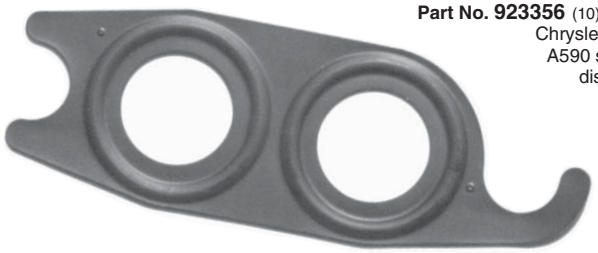
FIBER and METAL GASKETS

Part No. 923354 (10)
Metal Gasket
Chrysler Manifold
to Expansion
Valve



Part No. 923856 (10)
Dodge truck
compressor gasket.
Use with (923866) o-ring.

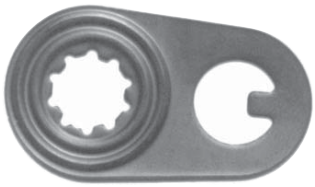




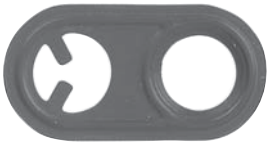
Part No. 923356 (10) (Steel)
Chrysler C171,
A590 suction/
discharge
port.



Part No. 923857 2
Dodge truck
compressor gasket.
Use with (923741) o-ring.



Part No. 923357 (10) (Steel)
.437" pilot hole (11.1mm)
Chrysler receiver drier.



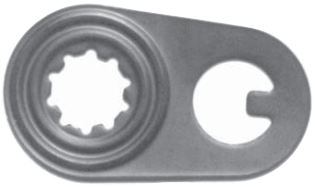
Part No. 923858 2 (Metal)
Chrysler 3/8" drier/liquid line.
Use with (923789) o-ring.

Part No. 923358 (10)
Metal Gasket
Chrysler TXV
Evaporator



Part No. 923859 2 (Metal)
Chrysler 5/8" hose fitting.
Use with (923867) o-ring.





Part No. 923367 (10) (Steel)
.377" pilot hole (9.6mm)
Chrysler bottle block.



Part No. 923860 (10) (Steel)
Chrysler TVX to
evaporator
(gold valve).



Part No. 923413 (10) (Gold)
Sanden compressor
discharge seal washer.
Dakota/Ram
OEM: 56005915

Illustrations shown are actual size.

AIR CONDITIONING O-RINGS

Part No. 923779 25 Green GRID# **1**



1/4" "O" ring for P.O.A. and suction
throttling valve bleed and equalizer fittings.

Part No. 923880 25 Green GRID# **2**



Ford combination valve
liquid bleed tube connection
Nissan #6 hose/ expansion valve/capillary tube
VIR liquid bleed line.

Part No. 923737 25 Green GRID# **3**



Ford bleed tube, 5mm for #6 hose fitting, Nissan.

Part No. 923710 25 Green GRID# **4**



5mm "O" ring for hose fittings.

Part No. 923738 25 Green GRID# **5**



6mm for #8 hose fitting, drier seal.

Part No. 923879 25 Green GRID# **6**



Metric hose and drier, Mitsubishi
FX 105V rear housing, Sanden TR70 oil drain bolt.

Part No. 923740 25 Green GRID# **7**



Toyota/HondA/Volvo #5 hose,
Honda manifold.

Part No. 923884 25 Green GRID# **8**



Metric - Asian Imports.

Part No. 923854 25 Green GRID# **9**



Ford/GM orifice tube.

Part No. 923780 25 Green GRID# **10**



14mm & 16mm threaded fittings.
GM & Diesel Kiki oil filler plug.

Part No. 923789 25 Green GRID# **11**



Toyota/Honda Hose
"O" ring for flat top/pad type filter driers.

Part No. 923739 25 Green GRID# **12**



"O" ring for Ford & GM orifice tubes.
GM DA6/HR6/HR6HE discharge crossover.

Part No. 923620 25 Green GRID# **13**



Chrysler springlock o-ring
OEM #'s 4798675, 4882139, 4723019, 4720749

Part No. 923716 25 Green GRID# **14**



#6 Springlock coupling seal - oversize.

Part No. 923869 25 Green GRID# **15**



Metric - Imports.

AIR CONDITIONING O-RINGS

Part No. 923775 50 Green GRID# **16**



#6 (3/8" I.D.) "O" ring for hose fittings, springlock couplings, V.I.R. pick-up tube, GM 3/16" & 1/4" S.A.E. pressure switches. Volvo #6 hose.

Part No. 923845 25 Green GRID# **17**



Diesel Kiki
DK515CH
Pressure Relief Valve

Part No. 923782 25 Green GRID# **18**



#6 (5/16" I.D.) GM ***"CAPTURED"*** "O" ring for hose fittings.

Part No. 923741 25 Green GRID# **19**



Toyota hose.

Part No. 923838 25 Green GRID# **20**



Metric "O" ring

Part No. 923861 25 Green GRID# **21**



Ford 12mm switchport - metric (cycling pressure switch).

Part No. 923781 25 Green GRID# **22**



12mm "O" ring for Sanden (Sankyo) and York compressor oil filler plug, Chrysler low pressure limit switch, all pressure relief valves and small quick disconnect fittings. Volvo pressure switch.

Part No. 923840 25 Green GRID# **23**



Metric #8 GM
Captured "O" ring

Part No. 923711 25 Green GRID# **24**



"O" ring for GM 1/2" O.D. tube dual "O" ring fittings.

Part No. 923742 25 Green GRID# **25**



Toyota/Honda manifold, Honda hose.

Part No. 923776 50 Green GRID# **26**



#8 (1/2" I.D.) "O" ring for #8 and 10mm hose fittings and springlock couplings. Volvo #8 hose.

Part No. 923717 25 Green GRID# **27**



#8 Springlock coupling seal - oversize.

Part No. 923873 25 Green GRID# **28**



GM & Asian Imports.

Part No. 923732 25 Green GRID# **29**



10.5mm "O" ring for Chrysler metric fittings.

Part No. 923872 25 Green GRID# **30**



Metric - Imports.

AIR CONDITIONING O-RINGS

Part No. 923871 25 Green GRID# **31**



Diesel Kiki DKS16H oil fill plug Hitachi A5000/MJS170 suction/discharge valve.

Part No. 923727 25 Green GRID# **32**



#8 (1/2" I.D.) GM ***"CAPTURED"*** "O" ring for hose fittings.

Part No. 923712 25 Green GRID# **33**



"O" ring for GM 5/8" O.D. tube dual "O" ring fittings.

Part No. 923836 25 Green GRID# **34**



Metric Captive "O" ring – Nissan, Calsonic,Honda, Acura, Audi, BMW, Toyota, Lexus

Part No. 923876 25 Green GRID# **35**



#10 metric - dual "O" ring.

Part No. 923743 25 Green GRID# **36**



Toyota/Honda manifold, Toyota hose.

Part No. 923720 25 Green GRID# **37**



#8 (1/2" I.D.) "O" ring for compression fittings, orifice tube repair kits and GM fixed orifice tube.

Part No. 923718 25 Green GRID# **38**



#10 Springlock coupling seal - oversize.

Part No. 923866 25 Green GRID# **39**



Use with Chrysler gasket #923856.

Part No. 923783 25 Green GRID# **40**



"O" ring for V.I.R. sightglass and GM fixed orifice expansion valve. Hitachi A5000 & MJ170 series hose connections, Nissan liquid line.

Part No. 923777 50 Green GRID# **41**



#10 (5/8" I.D.) "O" ring for tube "O" ring compressor fittings, hose fittings and springlock couplings. Volvo #10 hose.

Part No. 923852 25 Green GRID# **42**



Fits 2000/Up GM

Part No. 923882 25 Green GRID# **43**



Metric - Imports.

Part No. 923855 25 Green GRID# **44**



GM & Asian Imports.

Part No. 923846 25 Green GRID# **45**



3/4 #12 Peanut Hose Fitting "O" ring

L17

AIR CONDITIONING O-RINGS

Part No. 923744 25 Green GRID# **46**



Honda manifold

Part No. 923847 25 Green GRID# **47**



Chrysler “O” ring

Part No. 923867 25 Green GRID# **48**



Use with Chrysler gasket #923859.

Part No. 923728 25 Green GRID# **49**



#10 (1/2” I.D.) GM ***“CAPTURED”***
“O” ring for hose fittings.

Part No. 923784 25 Green GRID# **50**



#12 (3/4” I.D.) GM ***“CAPTURED”***
“O” ring for hose fittings and R-134a high-side adapters.

Part No. 923733 25 Green GRID# **51**



13.5mm “O” ring for Chrysler metric fittings.

Part No. 923863 25 Green GRID# **52**



Metric ***“CAPTIVE”*** “O” ring - Nissan, Calsonic, Honda.

Part No. 923874 25 Green GRID# **53**



Metric - Asian Imports.

Part No. 923915 25 Green GRID# **54**



Carbon Shaft Seal

Part No. 923870 25 Green GRID# **55**



Nippondenso TV10CA carbon seal.

Part No. 923868 25 Green GRID# **56**



Nissan compressor discharge flange.

Part No. 923721 25 Green GRID# **57**



“O” ring for GM 3/4” O.D. tube dual
“O” ring fittings. “O” ring for Ford compressors.

Part No. 923864 25 Green GRID# **58**



Metric ***“CAPTIVE”*** “O” ring -
Nippondenso compressor - Nissan, Calsonic, Honda.

Part No. 923785 25 Green GRID# **59**



“O” ring for discharge port on Sanden (Sankyo) compressors. Aerostar heater quick disconnect fitting.

Part No. 923719 25 Green GRID# **60**



#12 Springlock coupling seal - oversize.

AIR CONDITIONING O-RINGS

Part No. 923875 25 Green GRID# **61**



Metric - Chrysler & Asian Imports.

Part No. 923778 25 Green GRID# **62**



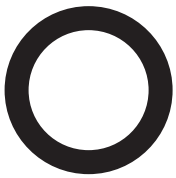
#12 (3/4" I.D.) "O" ring for hose fittings, springlock couplings and V.I.R. expansion valve (lower).
Volvo #12 hose.

Part No. 923862 25 Green GRID# **63**



Metric 16.9mm Nippondenso compressor.

Part No. 923619 25 Green GRID# **64**



Chrysler springlock kit o-ring
OEM #4746781 (kit).

Part No. 923729 25 Green GRID# **65**



"O" ring for Ford FS-6 and Ford Nippondenso compressors.

Part No. 923735 25 Green GRID# **66**



"O" ring for Chrysler block valve.

Part No. 923886 25 Green GRID# **67**



Diesel Kiki DKS15BH/DKS15CH discharge port
GM V5 control valve (outside)
Behr Bosch carbon shaft seal
Nihon DKV14B carbon shaft seal
Sanden TR105 discharge port.

Part No. 923722 25 Green GRID# **68**



"O" ring for large size quick disconnect fittings.

Part No. 923788 25 Green GRID# **69**



Discharge/suction port "O" ring for Chrysler A590, C171, Ford FS6.

Part No. 923843 25 Green GRID# **70**



"O" ring Hitachi SWP123/SWP167 Service Valve
Honda, Acura, Toyota, Lexus

Part No. 923730 25 Green GRID# **71**



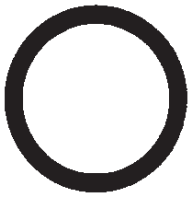
"O" ring for suction port on Sanden (Sankyo) compressors. Aerostar heater quick disconnect fitting.

Part No. 923853 25 Green GRID# **72**



Fits 2000/Up GM

Part No. 923745 25 Green GRID# **73**



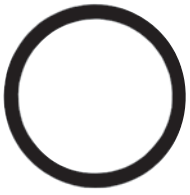
Chrysler springlock kit o-ring
OEM: 4746781 (kit)
Toyota/Honda manifold.

Part No. 923835 25 Green GRID# **74**



FS6 Suction/Discharge Port

Part No. 923887 25 Green GRID# **75**

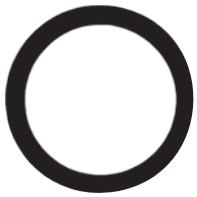


Metric - Imports.

L17

AIR CONDITIONING O-RINGS

Part No. 923865 25 Green GRID# **76**



Metric - 19.8mm, diesel Kiki.

Part No. 923723 25 Green GRID# **77**



"O" ring for Chrysler E.P.R. valve and Ford suction throttling valve.

Part No. 923786 25 Green GRID# **78**



"O" ring for Ford block-type combination valve.

Part No. 923731 25 Green GRID# **79**



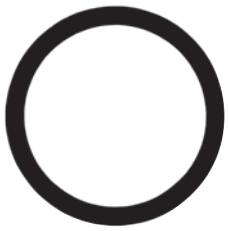
"O" ring for fan, superheat, high side cut-out and high side pressure switches on Harrison (Frigidaire) compressors.

Part No. 923787 50 Green GRID# **80**



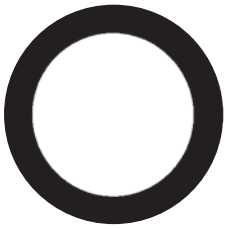
"O" ring (standard) for discharge and suction ports on Harrison (Frigidaire) compressor, manifolds on FX-15 compressor & shaft seal seat "O" ring on 6C17 compressor.

Part No. 923888 25 Green GRID# **81**



Metric - Imports.

Part No. 923736 25 Green GRID# **82**



"O" ring for Ford compressors and Chrysler evaporator core suction plate.

O-RINGS WITH OVAL CROSS-SECTION

Part No. 923714 25 Green



"O" ring for (oval) for 1991-85 Ford FS-6 and Ford Nippondenso compressors.

Part No. 923713 25 Green



"O" ring for (oval) for discharge and suction ports on Harrison (Frigidaire) compressors.

SQUARE CUT O-RINGS (HIGH TEMPERATURE)

Part No. 923715 25 Green



Square-cut for York mini compressor.

SQUARE CUT O-RINGS (LOW TEMPERATURE)

Part No. 923194 50 Black



Square-cut seal for Chrysler discharge lines and flange type hose fittings on Tecumseh and York compressors.

AIR CONDITIONING O-RING INTERCHANGE

O-RINGS		
PART NUMBER	GRID #	DESCRIPTION
923779	**1**	GM capillary tube o-ring
923880	**2**	Ford combination valve
		Liquid bleed tube connection
		Nissan #6 hose/expansion valve/capillary tube
		V.I.R. liquid bleed line
923737	**3**	Ford combination valve liquid bleed tube connection o-ring
		5mm for Nissan #6 hose fitting/expansion valve/
		capillary tube o-ring
		V.I.R. liquid bleed line o-ring
923710	**4**	Matsushita FX105V rear housing o-ring
		Sanden TR70 oil drain bolt o-ring
		Inner cap seal ring for low side (1/4") service valve cap
923738	**5**	6mm for #8 hose fitting, drier seal
923879	**6**	Metric hose and drier, Mitsubishi FX 105V rear housing,
		Sanden TR70 oil drain bolt
923740	**7**	Toyota/Honda/Volvo #5 hose/Honda Manifold
923884	**8**	Metric - Asian Imports
923854	**8**	Ford/GM orifice tube
923780	**10**	GM oil tube and filler bolt o-ring
		14mm & 16mm threaded fittings
923789	**11**	Ford combination valve STV manifold port,
		7mm metric hose fitting
923739	**12**	Ford/GM orifice tube o-ring
		GM DA6/HR6/HR6HE discharge crossover o-ring
		Mitsubishi FX80/FX105V head bolt o-ring
		7mm for liquid line seal
923620	**13**	Chrysler springlock o-ring
		OEM #'s 4798675, 4882139, 4723019, 4720749
923716	**14**	#6 coupling seal - oversize
923869	**15**	Metric - Imports
923775	**16**	#6 hose fitting o-ring
		Diesel Kiki DKS13G/DKS15BH/DKS15CH oil plug o-ring
		Ford expansion valve seal
		Ford combination valve schrader fitting o-ring
		Ford #6 springlock fitting o-ring (use HNBR only)
		Nissan #10 hose fitting/drier o-ring
		V.I.R. pick-up tube/condenser line o-ring
		Volvo #6 hose
923845	**17**	Diesel Kiki DK515CH pressure relief ralve
923782	**18**	Ford combination valve evaporator manifold oil port o-ring
		Ford expansion valve o-ring
		GM #6 ***"CAPTURED"*** fitting o-ring
923741	**19**	Toyota hose
923838	**20**	Metric
923861	**21**	Ford 12mm switchport - metric (cycling pressure switch)
923781	**22**	#6 ATCO compression fitting o-ring
		Chrysler 6C17 large control valve o-ring (inner)
		Chrysler 6C17 pressure relief valve o-ring
		Ford clutch cycling pressure switch o-ring
		GM A6/R4 pressure relief valve o-ring
		GM V5 control valve o-ring (inside)
		Mitsubishi FX105V control valve o-ring (inner)
		Sanden SD505/SD507/SD508/SD510
		oil plug/service port o-ring
		Toyota pressure switch o-ring
		York 206/210 oil plug o-ring
		Volvo pressure switch
923840	**23**	Metric #8 GM "Captured"
923711	**24**	GM #8 "dual" o-ring (1/2")
923742	**25**	Toyota/Honda manifold Honda hose
923776	**26**	#8 hose fitting o-ring
923717	**27**	#8 coupling hose - oversize
923873	**28**	GM & Asian Imports
923732	**29**	Chrysler 10.5mm springlock fitting
923872	**30**	Metric - Imports
923871	**31**	Diesel Kiki DKS16H oil fill plug
		Hitachi A5000/MJS170 suction/discharge valve
923727	**32**	Chrysler 6C17 large control valve o-ring (outer)
		GM #8 ***"CAPTURED"*** fitting o-ring
923712	**33**	GM #10 "dual" o-ring (5/8")
923836	**34**	Metric captive-Nissan, Calsonic, Honda, Acura, Audi, BMW,
		Toyota, Lexus
923876	**35**	#10 metric - dual o-ring
923743	**36**	Toyota/Honda manifold Toyota hose
923720	**37**	ATCO #8 compression fitting o-ring
		Mitsubishi FX105V control valve o-ring (center)
923718	**38**	#10 coupling seal - oversize
923866	**39**	Use with Chrysler gasket #923856

O-RINGS		
PART NUMBER	GRID #	DESCRIPTION
923783	**40**	Nissan condenser liquid line o-ring
		V.I.R. sightglass o-ring
		Mitsubishi FX80 discharge port o-ring
923777	**41**	#10 hose fitting o-ring
		Ford #10 springlock fitting o-ring (use HNBR only)
		Nippondenso TV10CA sensor block o-ring
		Nissan evaporator suction line o-ring
		Sanden TR70 suction port o-ring
		York 210/Tecumseh HG850/1000 turbo valve o-ring
		Toyota suction line o-ring
		Volvo #10 hose
923852	**42**	Fits 2000/Up GM
923882	**43**	Metric - Imports
923855	**44**	GM & Asian Imports
923846	**45**	3/4 #12 Peanut hose fitting
923744	**46**	Honda manifold
923847	**47**	Chrysler
923867	**48**	Use with Chrysler gasket #923859
923728	**49**	GM #10 ***"CAPTURED"*** fitting o-ring
		Matsushita S1150X3 carbon shaft seal o-ring
923784	**50**	Chrysler A590/C171 carbon shaft seal o-ring
		Diesel Kiki DKS13G carbon shaft seal o-ring
		Ford FS6 carbon shaft seal o-ring
		GM A6/R4 carbon shaft seal o-ring
		GM #12 ***"CAPTURED"*** fitting o-ring
		Hitachi A500 vibration damper o-ring
		Nihon DKV14C carbon seal o-ring
		Nippondenso 6E171/6E171A/6P127A/6P127B/
		6P134/6P148/10P08E/10P13/10O15/10P17/
		10PA15/10PA17 carbon shaft seal o-ring
		Mitsubishi FX80 suction port o-ring
923733	**51**	Chrysler 13.5mm springlock fitting
		Behr Bosch metal shaft seal seat o-ring
		GM threaded conversion o-ring
		Keihin 150L/150R metal shaft seal seat o-ring
		Nihon DKV14B metal shaft seal seat o-ring
923863	**52**	Metric ***"CAPTIVE"*** o-ring - Nissan, Calsonic, Honda
923874	**53**	Metric - Asian Imports
923915	**54**	Carbon shaft seal
923870	**55**	Nippondenso TV10CA carbon seal
923868	**56**	Nissan compressor discharge flange
923721	**57**	ATCO #10 compression fitting o-ring
		Chrysler 6C17 small control valve o-ring (outer)
		GM #12 fitting o-ring
		GM #12 "dual" fitting o-ring
		Matsushita NL1300AE4 suction/discharge o-ring
		Mitsubishi FX105V control valve o-ring (outer)
		Nissan suction/discharge o-ring
		(York reciprocating compressor)
923864	**58**	Metric ***"CAPTIVE"*** o-ring - Nippondenso compressor -
		Nissan, Calsonic, Honda
923785	**59**	Diesel Kiki DKS16H carbon shaft seal o-ring
		Hitachi MJ110 (small & large bore)/MJ130/MJ167/
		SWP123/SWP167 service valve o-ring
		Keihin 150L/150R carbon shaft seal/suction port o-ring
		Mitsubishi KX105V sensor o-ring
		Sanden TR90 discharge port o-ring
		Sanden pad mount discharge port o-ring
		Aerostar quick disconnect heater fitting
923719	**60**	#12 coupling hose - oversize
923875	**61**	Metric - Chrysler & Asian Imports
923778	**62**	#12 hose fitting o-ring
		Ford #12 springlock fitting o-ring (use HNBR only)
		GM V5 control valve o-ring (outside center)
		V.I.R. expansion valve (lower)
		V.I.R. evaporator outlet o-ring
		V.I.R. compressor suction line connection o-ring
		Volvo #12 hose
923862	**63**	Metric 16.9mm Nippondenso compressor
923619	**64**	Chrysler springlock kit o-ring
		OEM #4746781 (kit)
923729	**65**	Diesel Kiki DKS15H/DKS15CH
		discharge port o-ring
		GM V5 control valve o-ring (outside)
		Behr Bosch carbon shaft seal o-ring
		Nihon DKV14B carbon shaft seal o-ring
		Sanden TR105 discharge port o-ring
		(Continued on next page)

AIR CONDITIONING O-RING INTERCHANGE SEALING WASHERS and KITS

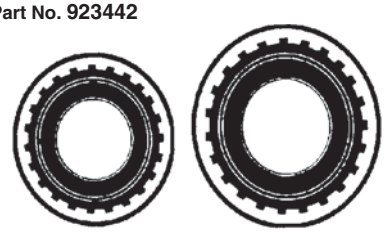
O-RINGS (CONTINUED)		
PART NUMBER	GRID #	DESCRIPTION
923735	**66**	Chrysler expansion valve o-ring
923886	**67**	Diesel Kiki DKS15BH/DKS15CH discharge port
		GM V5 control valve (outside)
		Behr Bosch carbon shaft steel
		Nihon DKV14B carbon shaft seal
		Sanden TR105 discharge port
923722	**68**	ATCO #12 compression fitting o-ring
		Chrysler 6C17 large control valve seat o-ring
923788	**69**	Chrysler A590/C171 suction/discharge port o-ring
		Ford FS6 suction/discharge port o-ring
		Nippondenso 6P127A/6P127B/6E171/6E171A/ 6P134/10P08E/10P13/10P15 suction/discharge port o-ring
923843	**70**	Hitachi SWP 123/SWP167 Service valve
		Honda, Acura, Toyota, Lexus
923730	**71**	Hitachi SWP123/SWP167 service port valve o-ring
		Matsushita NL1300AE4/S1150X3 metal shaft seal seat o-ring
		Nippondenso 6P148 suction/discharge port o-ring
		Sanden TR90 suction port o-ring
		Sanden pad mount suction o-ring
		Mitsubishi FX80 lip seal outer o-ring
		Aerostar quick disconnect heater fitting
923853	**72**	Fits 2000/Up GM
923745	**73**	Chrysler springlock kit o-ring OEM: 4746781 (kit)
		Toyota/Honda manifold
923835	**74**	FS6 Suction/Discharge port
923887	**75**	Metric - Imports
923865	**76**	Metric 19.8mm, diesel Kiki
923723	**77**	Chrysler EPR-ETR o-ring
		Ford combination valve STV o-ring
		Ford expansion valve o-ring

O-RINGS (CONTINUED)		
PART NUMBER	GRID #	DESCRIPTION
923786	**78**	Diesel Kiki DKS15BH/DKS15CH/DKS13G suction port o-ring
		Ford combination valve evaporator manifold
		to STV manifold o-ring
		Ford expansion valve o-ring
		Nihon DKV14C small shaft seal seat o-ring
		Sanden SD505/SD507 (mini)/TR70 metal shaft seal seat o-ring
		Sanden TR105 suction port o-ring
923731	**79**	Chrysler 6C17 switch port o-ring
		GM A6/DA6/HR6/HR6HE/R4/V5 superheat/ pressure switch port o-ring
		GM A6 superheat/pressure switch threaded conversion internal o-ring
		Sanden SD708/SD709 metal shaft seal seat o-ring
		Seiko Seike SS170PSS rotor housing o-ring (front & rear)
923787	**80**	Chrysler 6C17 lip seal o-ring
		GM A6/DA6/HR6/HR6HE/R4/V5 suction/discharge port o-ring
		Nippondenso 10P08E/10PA15/10PA17/10PA20 lip seal o-ring
		Nissan hose manifold to York rotary compressor o-ring
		Seiko Seike SS170PSS suction/discharge port o-ring
923888	**81**	Metric - Imports
923736	**82**	Chrysler expansion valve o-ring
		GM R4 suction/discharge port o-ring (optional)

O-RINGS WITH OVAL CROSS-SECTION	
923714	Ford FS6/FX15 suction/discharge port o-ring
923713	GM R4/DA6/HR6/HR6HE/V5 suction/discharge port o-ring
SQUARE-CUT O-RINGS - LOW TEMPERATURE	
923194	York 210/Tecumseh HG500/HG850/1000 flange seal
SQUARE-CUT O-RINGS - HIGH TEMPERATURE	
923715	York/Tecumseh turbo valve seal - R134a

GM COMPRESSOR SEALING WASHER KITS

Part No. 923442



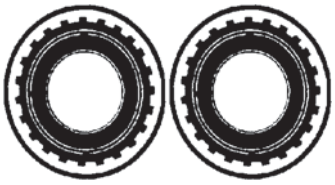
1993-92 GM w/3/4" I.D. suction port

Kit includes:

1 ea. 5/8" I.D. "thin" sealing washer (discharge port) (silver)

1 ea. 3/4" I.D. "thin" sealing washer (suction port) (silver)

Part No. 923444



1993-92 GM w/5/8" I.D. suction port

1991 Cavalier & Sunbird

1990-3/4 Sunbird (2.0 T.B.I.)

Kit includes:

2 ea. 5/8" I.D. "thin" sealing washers (silver)

GM BLOCK FITTING SEALING WASHERS - SLIMLINE

Part No. 923895 2

Thickness: 1.3mm
O.D.: 16.1mm
I.D.: 8.1mm



Part No. 923896 2

Thickness: 1.3mm
O.D.: 19.0mm
I.D.: 11.1mm



Part No. 923897 2

Thickness: 1.3mm
O.D.: 23.6mm
I.D.: 15.5mm



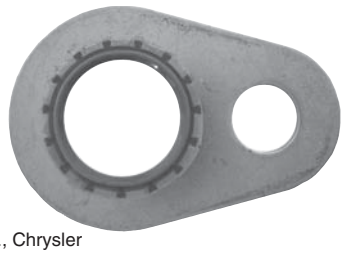
Part No. 923898 2

Thickness: 1.3mm
O.D.: 25.1mm
I.D.: 17.2mm



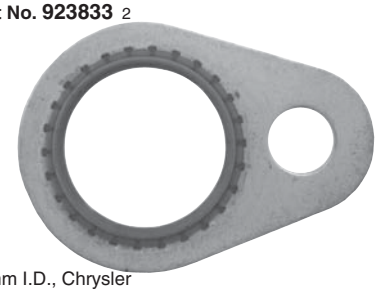
CHRYSLER SEALING WASHERS

Part No. 923832 2



10mm I.D., Chrysler

Part No. 923833 2



16mm I.D., Chrysler

L17

WASHERS/PILOT INSERTS, WASHER/GASKETS and SPRINGS

GM SEALING WASHER/PILOT INSERTS

For all 1988 and newer GM compressors.

Part No. 923424 5



5/8" I.D. “thick”
GM Sealing Washer (black)

Part No. 923425 5



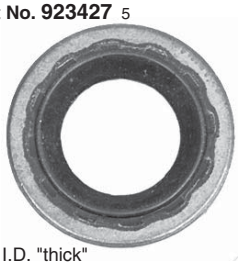
3/4" I.D. “thin”
GM Sealing Washer (silver)

Part No. 923426 5



5/8" I.D. “thin”
GM Sealing Washer (silver)

Part No. 923427 5



5/8" I.D. "thick"
GM Sealing Washer (green)

Part No. 923428 5



5/8" I.D.
"thick"
GM Sealing Washer (red)

Part No. 923429 5



5/8" I.D.
"thick"
GM Sealing Washer (yellow)

Part No. 923430 5



5/8" I.D.
Small
GM Sealing Washer
1997-96 Chevy S, T /
GMC C, K Truck Series

Part No. 923431 5



GM Long Manifold
Pilot Washer Insert

Part No. 923432 5



GM Short Manifold
Pilot Washer Insert
(1991-88 Specific)



Part No. 923040
36 pieces • 9 items • 12030 plastic tray

923424	923427	923430
923425	923428	923431
923426	923429	923432

Numbers in assortment

GM “DUAL O-RING” LINE FITTING WASHERS/GASKETS

Part No. 923345 (10)



5/8” metal
No. 10 fitting

FORD SPRINGLOCK RETAINING SPRINGS

Part No. 923446 (12)



.Garter spring for Ford 3/8”
I.D. springlock couplers.

Part No. 923447 (12)



Garter spring for Ford 1/2”
I.D. springlock couplers.

Part No. 923448 (12)



Garter spring for Ford 5/8”
I.D. springlock couplers.

Part No. 923449 (12)



Garter spring for Ford 3/4”
I.D. springlock couplers.

L17

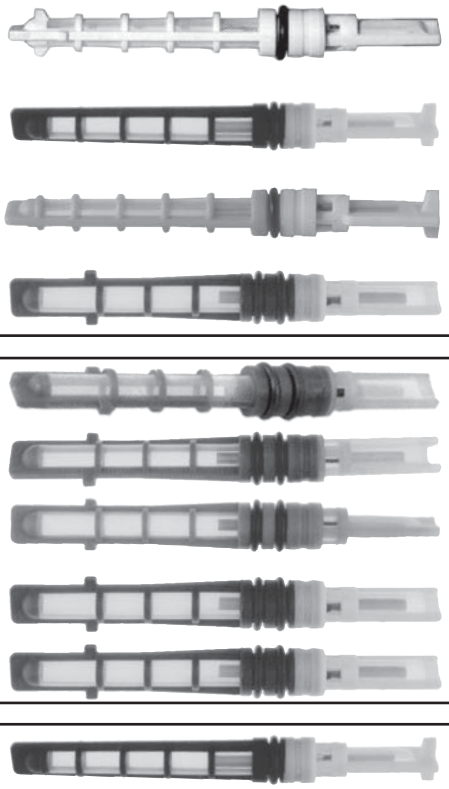
AIR CONDITIONING ORIFICE TUBES

ORIFICE TUBES

PART		APPLICATION	OE# GM	DELCO	COLOR	ORIFICE SIZE
923324	12	GM (At Evaporator) Audi Jaguar, Volvo Opel/Vauxhall Rolls Royce	3033879 3033919 302-272-679	15-5151 15-5611	White or Natural	.072
923672	3	GM (At Condenser)	3096068	15-5378	Black/ White or Red/ White	.072 T-Top
923415	3	GM (At Condenser) 1997/Up Cadillac 1996/Up GMC C, K Pickups, Tahoe, Yukon/Suburban	52477004	15-5612	Yellow/ White or Red/ White	.062 T-Top
923333	3	GM Volvo	1324829-9 52473660 52460909	15-3079 15-30973	Yellow/ White	.062 With Tabs

PART		APPLICATION	OE# FORD	MOTORCRAFT	COLOR	
923343	12	Ford Hyundai Nissan Quest	E0VY-19D990-A E1FZ-19D990-A F5SZ-19D990AB F3XY-19D990-A	YG-345 YG-322	Blue or Black	.067
923671	3	Ford	E69Z-19D990-A F5UZ-19D990AB F4UZ-19D990-A	YG-346 YG-321	Red	.062
923673	3	Ford	E8TZ-19D990-A E8UZ-19D990-A F5DZ-19D990AB F2DZ-19D990-A	YG-343 YG-323	Orange	.057
923670	3	Ford	E69Z-19D990-B F09Z-19D990-A F39Z-19D990A	YG-320	Brown	.047
923676	3	Ford	XC4Z-19D990-AA	YG-380	Black/ White	.072

PART		APPLICATION	OE# CHRYSLER	COLOR	
923332	3	Chrysler Jeep Eagle Dodge	36002432 55036182	Purple	.062 T-Top

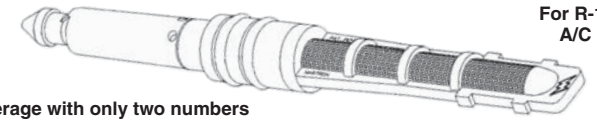


AIR CONDITIONING ORIFICE TUBES

SMART VOV™

VARIABLE ORIFICE VALVE

Drop-in replacement for ineffective fixed orifice tube (no modifications required)



For R-12 & R134a A/C Systems

Complete coverage with only two numbers

Now your customer can have:
- **5° - 10°F colder air (at hot idle)**
- **Much improved performance when converting from R12 to R-134a**
- **Reduced compressor load, improved city fuel economy & emissions**
- **Extended compressor life**

- **The Smart VOV is a new refrigerant expansion device that substantially increases air conditioning cooling at idle and city traffic conditions.**
- **It is a self-contained "drop-in" replacement for fixed orifice tubes; it creates colder discharge air temperatures by automatically reducing the orifice area at low compressor speeds such as when idling or driving in city traffic.**
- **Test vehicles equipped with Smart VOV have demonstrated excellent performance, outstanding reliability, and extended compressor life in over one million miles of severe duty desert testing.**

SMART VOV Features:

Increased A/C Cooling
- **Up to 10°F colder air at idle**
- **Cooler interior in city traffic**
- **For R-12 and R134a systems**

High Quality
- **Precision metering system**
- **Engineered for long life**
- **OEM proven materials**

Improved Operation
- **Pressure regulation**
- **Quick response**
- **Sensitive to flow and quality**

Many Applications
- **OEM CCOT systems**
- **Alternative to TXV**
- **R12 to R134a conversions**

MAKE	ORIFICE TUBE COLOR	AUTOMAKER'S OEM PART #	FOUR SEASONS FOT ORIFICE	PART NO. REPLACE with SMART VOV	FOOT NOTES
Audi	White or Gray	302-272-679	38623	**1502002**	
Ford/Lincoln/ Mercury	Blue or Black	E0VY-19D990-A, E1FZ-19D990-A F3XY-19D990-A, YG-322	38621	**1502002**	1
	Red	E69Z-19D990-A, F4UZ-19D990-A YG-321	38635	**1502002**	1
	Orange	E8TZ-19D990-A, E8UZ-19D990-A F2DZ-19D990-A, YG-323	38639	**1502002**	1
	Brown or Green	F39Z-19D990-A, FD92-19D990-A E69Z-19D990-A, YG-319, YG-320	38640	**1502002**	1
Ford Mondeo (U.K)	Red	--	38635	**1502002**	1
General Motors	White	3033879, 3033919, 52453930 15-5151, 15-5611	38623	**1502002**	
	Yellow/White (Evap. Mounted)	52460909, 15-30791	38642	**1502002**	
GM Opel	White (GM)	52400909, 3033879	38623	**1502002**	
Hyundai	Orange (Ford)	--	38639	**1502002**	1
Jaguar	White (GM)	--	38623	**1502002**	
Mazda	Red (Ford)	ZZMO-61-179	38635	**1502002**	1
Nissan	Blue or Black (Ford)	92200-0B00	38621	**1502002**	1
Rolls Royce	White (GM)	3033879	38635	**1502002**	
Volvo	White (GM) R12	--	38623	**1502002**	
	Yellow (Volvo) R134a	1324829-9	38642	**1502002**	
Volkswagen	Gray or White (GM)	--	38623	**1502002**	

FOOTNOTES:
1. Liquid line may contain non-replaceable original orifice tube – If this is the case, you can use commonly available inline orifice tube housing repair kit which will accept VOV (See Fixed Orifice Tube Replacement Kits, No.s 923335 or 923659 for instructions).

TECH TALK – how it works

The Smart VOV (variable orifice valve) uses system pressure and refrigerant flow to move a metering piston relative to a fixed opening in the sleeve. The piston movement is resisted by an attached spring. When idling at high ambient temperatures, the piston shifts to a smaller metering area similar to a TXV. This compensates for the reduced compressor output and increases the cooling performance. The Smart VOV also has a unique re-open feature which reduces compressor pressure for severe idle conditions. At highway speeds, the Smart VOV operates on a large orifice. The net result is better performance than a TXV without the complexity or reliability concerns. Unlike a TXV, which has constantly moving parts and small internal clearances, the Smart VOV is stationary during most operating conditions and has large internal clearances. It's low friction floating design insures smooth operation and extremely long life.

A/C PORT ADAPTERS, OEM PORTS, SERVICE PORT CAPS, SWITCHES, ELECTRICAL ITEMS and A/C R134a RETROFIT CONVERSION FITTINGS

FACTORY R134a SYSTEM PORTS

16mm x M15-1.0
Base Thread
Ford, GM, Chrysler, Jeep
Green HNBR O-Ring



Part No. 923417 3
(Aluminum)

13mm x M13-1.0
Base Thread
Ford, GM, Chrysler, Jeep
Green HNBR O-Ring



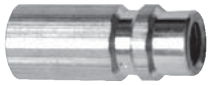
Part No. 923418 3
(Aluminum)

16mm x M12-1.5
Base Thread
Ford, GM Metric Primar
w/Green HNBR O-Ring
& Valve Core (Octagonal)



Part No. 923419 3
(Aluminum)

13mm
Ford Primary Seal Port
w/Green HNBR O-Ring
(Octagonal)



Part No. 923420 3
(Aluminum)

16mm x M12-1.5
Base Thread
Chrysler Primary Seal Port
w/Green HNBR O-Ring
(Octagonal)



Part No. 923421 3
(Aluminum)



Part No. 923609
8 pieces • 5 items • 12034 plastic tray

923417	923419	923421
923418	923420	

Numbers in assortment

GM COMPRESSOR CLUTCH CYCLING PRESSURE SWITCH

Part No. 923709



R134a
12mm Switchport • 2000-94 GM

SWITCH INTERCHANGE

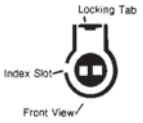
PART NUMBER	DESCRIPTION	REPLACES: OEM'S	4 SEASONS	MURRAY
923709	R134a GM Switch	--	36659	207654

GM LOW PRESSURE SWITCH PIGTAIL



Black Housing (1996-85)

Part No. 32347



GM A/C COMPRESSOR COIL CONNECTOR



GM A/C Compressor Coil Connector w/Diode and 8mm - Pin Type Coil - Gray Housing (1996-89)

Part No. 323782

R134a SERVICE PORT ADAPTERS

- **R134a service port adapters will adapt existing R12 service ports to R134a service ports.**
- **Aluminum straight adapters are 8 sided, they do not include caps.**
- **Steel and brass straight adapters are 6 sided, and include caps.**
- **All 90° adapters include cap and valve.**

Straight Low Side 1/4" Flare
(7/16 SAE)



(Aluminum) 923578 5
(Steel) 923548 5

Straight High Side 3/16" Flare
(3/8 SAE)



(Aluminum) 923579 5
(Steel) 923549 5

Straight High Side 1/4" Flare
(7/16 SAE)



(Aluminum) 923580 5
(Steel) 923550 5

Straight High Side
2 Piece GM



(Aluminum*) 923581 5

90° Low Side
1/4" Flare (7/16 SAE)



(Aluminum) 923583 5
(Steel) 923553 5

90° High Side
3/16" Flare (3/8 SAE)



(Steel) 923554 5

90° High Side
1/4" Flare (7/16 SAE)



(Aluminum) 923585 5
(Steel) 923555 5

NOTE: Be sure to remove & discard valve core from R12 fitting whenever a 90° adapter or charging port extension hose is installed.

*** NOTE:** Not available in steel.

R134a SERVICE PORT CAPS

- **Replacement caps for R134a service ports.**



Blue Low Side
13mm I.D.
8mm Threads
Fits 1/4" Flare
Low Side Fitting

Part No. 923571 (10)



Blue Low Side
15mm I.D.
8mm Threads

Part No. 923808 (10)



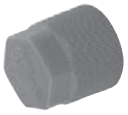
Red High Side
16mm I.D.
8mm Threads
Fits 3/16" Flare
High Side Fitting

Part No. 923572 (10)



Red High Side
16mm I.D.
10mm Threads
Fits 1/4" Flare
High Side Fitting

Part No. 923573 (10)



Red High Side
17mm I.D.
10mm Threads

Part No. 923809 (10)



Blue Low Side
9mm x 1.0 I.D.
Imports

Part No. 923812 (10)



Blue High Side
10mm x 1.25 I.D.
Imports

Part No. 923813 (10)



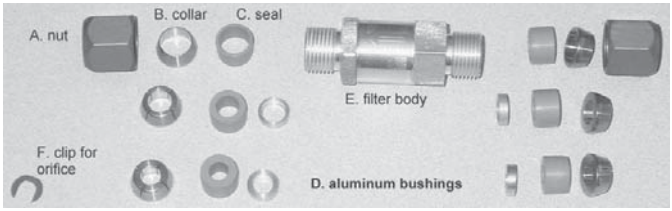
Black
1/2" Acme

Part No. 923814 (10)

AIR CONDITIONING SERVICE ITEMS

UNIVERSAL HIGH SIDE IN-LINE FILTER

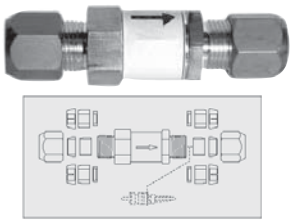
- **OEM tested and approved.**
- **Protect against costly compressor failure.**
- **Quick and easy leak free installation.**
- **Requires only 3" of straight refrigerant line.**
- **Tapered sealing sleeve provides 10 times the sealing area of older filter designs.**
- **Shorter overall filter length, with 3 times the capacity of older filter designs - reduces pressure and flow restrictions.**
- **Provides the reliable solution technicians have been asking for to reduce comebacks on compressor replacements - especially rear A/C systems.**
- **Single kit fits 5/16", 3/8", and 1/2" lines.**
- **Captures residual debris in the A/C system.**
- **Can be used as a line splice or repair device for damaged orifice tube holders.**
- **Incorporates any size orifice tube with included installation clip.**

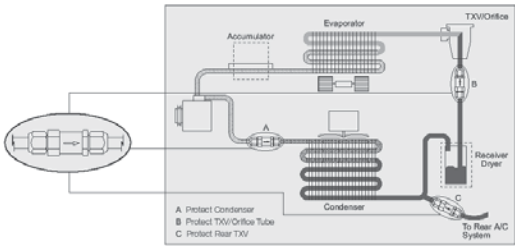


Part No. 923816

Capture & Hold Damaging A/C System Debris Without Diminishing Performance

The receiver dehydrator, accumulator dehydrator, orifice tube, and thermostatic expansion valve were never designed to act like major systems filters. After a catastrophic compressor failure the Part No. 923816 Universal High Side In-Line Filter Kit provides a low cost insurance policy against further system damage.





ESTERCOOL™ OIL - R12 & R134a REFRIGERANT OIL

What type of oil is Estercool™?
Estercool™ Oil is an all natural Ester oil with additives that will enhance its lubricating ability and improve system performance. An oil that has proven itself in test after test.
Can Estercool™ Oil be used in an R12 system?
Yes you can use Estercool™ Oil in any R12 mobile air conditioning system or when retrofitting to R134a.
Does all the mineral oil have to be removed when retrofitting to R134a?
No, remove as much mineral oil as possible using A/C Flush Solvent. Any mineral oil remaining in the system is fully compatible with Estercool™ Oil.
Can Estercool™ Oil be used in systems containing PAG, mineral or paraffin oil?
Yes, Estercool™ can be used in any R12 or R134a mobile A/C system. If a system contains PAG, mineral, or paraffin oil and needs additional oil, Estercool™ can be added to the system. Estercool™ Oil will mix with any mobile A/C oil including mineral, paraffin or PAG oil. Not having the right oil or too much inventory is not a problem when Estercool™ Oil is used. The dealer needs stock only one oil, Estercool™ Oil.
Why should Estercool™ Oil be used in an R12 system?
Estercool™ Oil is a superior lubricant and it's ability to prevent corrosion, neutralize acid and encapsulate moisture enhances system performance. If during full R12 system service Estercool™ Oil is used in place of mineral oil, retrofit will be easier and less expensive at at later date because the correct lubricant is in the system.
Does the dealer need to stock 30 different oils?
No, Estercool™ Oil will replace all the other oils on the market for mobile A/C systems and provide superior performance.



How does Estercool™ refrigerant oil compare to PAG and synthetic Ester oil?

	ESTERCOOL OIL	PAG OIL	SYNTHETIC ESTER OIL
Environmentally friendly, biodegradable	Yes	No	No
Will neutralize acid in the system	Yes	No	No
Will encapsulate moisture in th system and render it harmless to the system	Yes	No	No
Will inhibit corrosion	Yes	No	No
Will prevent acid from forming in the system	Yes	No	No
Compatible with mineral oil and paraffin oil	Yes	No	Yes
Compatible with all components in an R12 system	Yes	No	Yes
Can be used in an R12 or R134a system	Yes	No	Yes
Can be added to any mobile A/C system with mineral, PAG, paraffin or Ester oil	Yes	No	?

ESTERCOOL™ OIL FOR R134a AND R12 SYSTEMS

One oil for all applications.

- **Compatible with Mineral, Ester, Paraffin & PAG Oil.**
- **Can be added to any existing R12 or R134a mobile A/C system with mineral, PAG, Paraffin, or Ester Oil.**
- **Use to replace PAG, Mineral or Paraffin Oil.**
- **Reduce inventory, keep only one A/C refrigerant oil in the shop.**
- **An all natural Ester oil, containing additives which lubricate and protect the system at the same time.**
- **Prevents acid from forming and inhibits corrosion.**
- **Compatible with all components in the system.**



Part No. 923474
Gallon size



Part No. 923473
Quart size

AIR CONDITIONING SERVICE ITEMS

UNIVERSAL PAG OIL FOR BOTH R12 & R134a SYSTEMS

- Technologically advanced formula, designed to use one PAG for use in all mobile A/C systems.
- Can be used in R134a & R12 systems.
- Compatible with Mineral,Ester, Paraffin and other PAG oils.
- Meets or exceeds OEM specifications.



Part No. 923498
Quart size



Part No. 923499
Gallon size

SUPERCOOL PAG OILS

- "Double End Capped" 100% synthetic PAG lubricant with U/V Dye.
- Specially formulated for O.E. and aftermarket air conditioning systems using R-134a refrigerant.
- Contains conditioners, inhibitors and anti-wear agents for superior lubricity and compressor protection.
- Longer-lasting PAG resists sludge formation.
- More stable & less corrosive than other PAG's.
- Less tendency to absorb water than other PAG brands.
- U/V Dye can be detected using any standard black light.
- Will work in retrofitted R12 system.

PAG & U/V DYE "DOUBLE END CAPPED"



WC6 Compressor Chart for PAG Oil
Takes the mystery out of which viscosity PAG Oil to use in your compressor.

PART NUMBER	SIZE	PART NUMBER	SIZE	DESCRIPTION	
923104	32 oz.	- -	8 oz.	PAG 46 Vis. & U/V Dye	4
923106	32 oz.	**923818**	8 oz.	PAG 100 Vis. & U/V Dye	4
923108	32 oz.	- -	8 oz.	PAG 150 Vis. & U/V Dye	4

WEIGHT GRADED PAG OIL



Quart size

R-134a PAG 46
Part No. 923406

R-134a PAG 100
Part No. 923407

R134a OIL CHARGE

- Compatible with all R134a systems, OEM and Retrofit.
- Adds 2 oz. of lubricant and 2 oz. of R134a.



ESTER OIL CHARGE
Part No. 923477 12
4 oz.

PAG OIL CHARGE
Part No. 923490 12
4 oz.



PAG OIL with DYE

Contains universal fluorescent leak detection dye.



- Compatible with R134a and R12.
- Compatible with Mineral, Ester, Paraffin & PAG Oil.
- Can be detected using any standard UV/ blue light (see section G16).
- Saves time over existing methods of dye detection.

Part No. 923476
32 fl. oz. (1 quart)

DYESTERCOOL™ OIL

Contains universal fluorescent leak detection dye.



- Compatible with R134a and R12.
- Compatible with Mineral, Ester, Paraffin & PAG Oil.
- Can be detected using any standard black light (see section G16).
- Saves time over existing methods of dye detection.

Part No. 923478
32 fl. oz. (1 quart)

Part No. 923826
1 gallon

ATTENTION: A partial charge of DyEstercool™ Oil will not provide enough dye for proper fluorescing. Only a full system charge during normal service will provide maximum fluorescing for the mobile A/C system. A partial charge may be added to a system which already contains fluorescent dye.

AIR CONDITIONING SERVICE ITEMS

A/C SEAL LEAK STOP AEROSOL with U/V DYE

- Specially formulated to stop air conditioning leaks on rubber hoses, gaskets, seals and ALL types of o-rings including HNBR, Nitrile and Neoprene.
- Does not contain polymers and will not block A/C system components.
- 4 ounce can treats 1 vehicle.
- Charges into air conditioning system with standard R-134a valve and hose.
- Contains U/V Leak Detector Dye, 2 oz. Oil Charge and O-Ring Conditioner.
- Compatible with mineral, ester, and PAG oils.
- Contains 2 oz. of R-134a refrigerant.



Part No. 923103
4 oz. net wt. (12)



Re-usable R-134a Can Tap and Charging Hose
Part No. 923105

UV LEAK DETECTOR

- Pocket sized 6-1/4" Mini Worklight.
- Responds to all UV dyes & materials.
- Makes insepctions fast & accurate.
- 6 true UV LED's.
- 14 hr. runtime.
- 3 AAA batteries included.

Clip on back



Part No. 113928

SUPER SEAL
THE ULTIMATE LEAK REPAIR KIT

Permanently seals leaks in metal and rubber parts.

- Moisture activated formulation solidifies to form a patch to seal metal leaks.
- Moisture activated fluid remains a liquid lubricant in the system and seals only as it leaves the system with the refrigerant, at the leak point. When refrigerant leaks out, it chills the air causing condensation. This moisture activates the fluid to self-seal.
- Large leaks where the refrigerant charge is lost within two weeks may need to be manually repaired.
- Solves problem applications where fittings are positioned or angled and inaccessible.
- Includes recharge hose with quick-connect and can tap.
- Complete instructions enclosed.
- Super Seal is vacuum packed without refrigerant for use in any A/C system. With the A/C off, the vacuum pulls refrigerant into the can. Turn the A/C on and the suction pulls the Super Seal into the A/C system. May also be used with other refrigerants.
- Contains red dye to locate large leaks.



Seals leaks in condenser, evaporator, accumulator, compressor, connecting hoses, gaskets and o-rings.

R-134a SUPER SEAL
Treats one R-134a system under 4 tons.
Part No. 923092
3 oz. net wt.

DYE CHARGE



- Fluorescent dye for R134a systems.
- R134a pressurized single use can.

Part No. 923487 12

A/C UNIVERSAL FLUORESCENT LEAK DETECTION DYE



- For use with R12 or R134a systems.
- Easy to use 1/4 ounce single system applications.
- 1/4 ounce tubes are easier to use and less money.
- Cut the end of the tip and squeeze entire contents into dye injector or directly into a component being installed onto the system.
- Each tube will dye a system containing up to 12 ounces of refrigerant oil.
- Can be detected with any UV black light (see section G16).

Part No. 923479

CONCENTRATED U/V DYE

AVAILABLE IN 2 TYPES OF DISPENSERS





- 8 oz. self measure bottle detects leaks in up to 64 vehicles.
- "New" easy to use squeeze tip bottle refills all types of dye cartridges.

PART NUMBER	DESCRIPTION	
923115	8 oz. Self-Measure Bottle	6
923114	8 oz. Squeeze Tip Bottle	6

L17

AIR CONDITIONING SERVICE ITEMS

DE-FUNK HVAC CLEANER/DEODORIZER



- Strong detergents clean and remove mold, mildew and fungi in A/C systems.
- Completely eliminates germs and odors from evaporators.
- Insert tube directly into the center register vent.
- Safe for all A/C systems.
- Keeps cars fresh smelling.
- Made in U.S.A.

BODY SHOP SAFE

FRESH Lavender Scent

Part No. 444107
9 oz. net wt. (255g)
(PSS092115)

FRESH N' KOOL

Freshens air for air conditioning systems.



- Spray directly into fresh air intake for immediate results.
- Removes foul, musty odors from automobile and truck air conditioning systems. Eliminates stale tobacco smoke odor.
- Bactericidal formula eliminates odors caused by mildew and other odor producing organisms.
- Helps prevent reoccurrance of odors for up to a year.

Part No. 211339 (12)
15 oz. net wt. (425g)

A/C SYSTEM GUARD™ Kit



Part No. 923599 10
Kit consists of:
Two System Guard Sleeves and one identification label.

Also available in value pack box of 50

Mechanics! Protect your work. Prevent unwanted, expensive comebacks. Until now technicians had no way of knowing if an air conditioning system has been tampered with after it leaves their shop.
What happens if the system is contaminated with an unknown alternative refrigerant?
Did someone else try to open the system? With SYSTEM GUARD™ your work is protected.
SYSTEM GUARD™ seals A/C service ports to prevent tampering. Once removed,
they cannot be replaced, and the service warranty becomes void.

3 SIMPLE STEPS



1. Slip "System Guard Seals" over both service ports.



3. Record unique serial number on label and work order and apply label in engine compartment.



2. Heat shrink in place with hot air gun.

ODOR BUSTER AUTO FOGGER™

Controls evaporator odors.



- Spray directly into fresh air intake.
- Doesn't just cover-up odors, it eliminates them at the source.
- Eliminates odors caused by mold, mildew, pets, tobacco smoke & more.
- Quick and easy to use.
- Ideal for all automotive A/C systems.
- New car scent.

Part No. 923129
5 oz. net wt. (142g)

A Fresher Smelling Vehicle in 15 Minutes Guaranteed!

LEAK LOCK®

Leak Lock is a soft setting pipe joint compound for sealing threaded joints, flanged joints, gasket surfaces and mating surfaces.



Part No. 811153
1-1/3 oz. tube

- A resin based brushable paste which remains
permanently flexible, adheres to internal surfaces and fills voids.
- Ideal for metal and plastic materials subject to extreme vibrations.
- Effective in temperatures from -200°F (-93°C) to 400°F (204°C), full vacuums and pressures to 10,000 PSI.



Part No. 811154
4 oz. brush top plastic jar

Leak Lock seals a broad range of chemicals including all refrigerants such as R12, R22, R502, R134a, etc., petroleum products, natural and manufactured gases, steam, water, air, etc. No other sealant offers the application range of **Leak Lock.**

INSULATION TAPE

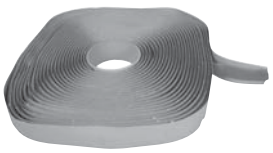


- Insulates and seals. Sticks to all metal & rubber surfaces.
- Stops water drip.
- Won't dry out or crack.

Part No. 923514
30 ft. roll

PERMAGUM

For sealing holes through firewall



- Use around hoses going through the firewall.
- Eliminates seepage of engine heat and noise.

Part No. 923515
30 ft. roll

SOLD IN 30 FT. ROLLS ONLY

L17

AIR CONDITIONING SERVICE ITEMS

SCHRADER SERVICE PORT CAPS

R12 Black



3/16" High Side

Part No. 923350 (12)

R12 Black



1/4" Low Side

Bridgeport Style

Part No. 923351 (12)

R134a Blue



13mm ID - 8mm Threads
Bridgeport Style

Part No. 923571 (10)

R134a Red



16mm ID - 8mm Threads
Bridgeport Style

Part No. 923572 (10)

R134a Blue



13mm ID - 10mm Threads
Aeroquip Style

Part No. 923570 (10)

R134a Red



16mm ID - 10mm Threads
Aeroquip Style

Part No. 923573 (10)

R134a Black



Low Side
14mm ID - 8mm
Extended Threads
Eaton Style

Part No. 923575 (10)

R134a Black



High Side
16mm ID - 10mm
Extended Threads
Eaton Style

Part No. 923574 (10)

NOTE: GM randomly uses Aeroquip, Bridgeport and Eaton valves on all late model production.

SCHRADER VALVE CORES

Standard



Part No. 923137 25

GM Large Bore



High Flow

Part No. 923543 (10)

GM/Ford/JRA Import



High Flow

Part No. 923582 (10)

GM/Peterbilt (M8)



Low Side

Part No. 923568 (10)

GM/Peterbilt (M10)



High Side

Part No. 923569 (10)

Volvo/Peugot



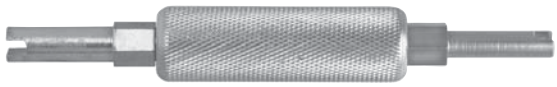
Part No. 923598 (10)

INSTALLATION & REMOVAL TOOL



Part No. 923450

GM/PETERBILT & M8/M10 LARGE BORE INSTALLATION & REMOVAL TOOL



Part No. 923524

SERVICE PORT CAP ASSORTMENT

- **Contains replacement caps for all Schrader service port styles for OE R12, OE R134a and Retrofit R134a systems.**



Part No. 923400
50 pieces • 8 items
12028 plastic tray

923350	923570	923572	923574
923351	923571	923573	923575

Numbers in assortment

SERVICE PORT VALVE CORE REPAIR

- **Replacements for frequently used Schrader valve cores.**
- **Includes replacement primary seal fitting 923581.**
- **Also includes standard valve core installation tool and removal tool.**



Part No. 923401
19 pieces • 5 items
12037 plastic tray

923137	923543	923582
923450	923581	

Numbers in assortment

DOMESTIC/IMPORT VALVE CORES

- **Contains all types of Schrader valve cores.**
- **Includes both standard & large bore valve core installation tool and removal tool.**



Part No. 923402
67 pieces • 8 items
12047 plastic tray

923137	923524	923568	923582
923450	923543	923569	923598

Numbers in assortment

L17

A/C HEAVY DUTY TRUCK SERVICE ITEMS

STAT-SEAL WASHERS

Part No.
923922 5



FREIGHTLINER
DRIER/TXV
#6 Stat-Seal Washer

Part No.
923923 5



FREIGHTLINER
COND/TXV
#8 Stat-Seal Washer

Part No.
923924 5



FREIGHTLINER
EVAP/TXV
#10 Stat-Seal Washer

Part No.
923925 5



FREIGHTLINER
COMPRESSOR
SUCT/DISCH STAT-SEAL
OEM# 23-13205-000

SEALING WASHERS - SLIMLINE

Part No.
923921 5



GM 17mm
Slimline
Sealing Washer

Part No.
923905 2



FREIGHTLINER
DRIER/TXV
#6 Slimline Washer
OEM# APBN83-312076

Part No.
923906 2



FREIGHTLINER
COND/TXV
#8 Slimline Washer
OEM# APBN83-312060

Part No.
923907 2



FREIGHTLINER, EVAP/TXV
#10 Slimline Washer
OEM# APBN83-312092

SERVICE/VALVE CAPS

Part No.
923933 5



BLACK LOW SIDE
SERVICE CAP

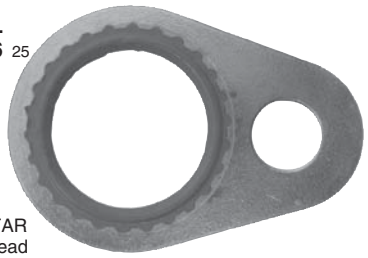
Part No.
923934 5



BLACK HIGH SIDE
SERVICE CAP

COMPRESSOR O'RINGS

Part No.
923526 25



NAVISTAR
GWA Head
Compressor Suction O-Ring
OEM# 3543882-C1

Part No.
923525 25



NAVISTAR
GWA Head
Compressor Discharge O-Ring
OEM# 3543881-C1

















“M” Index Divider Page 1

M-STORAGE UNITS

M10-STORAGE UNITS

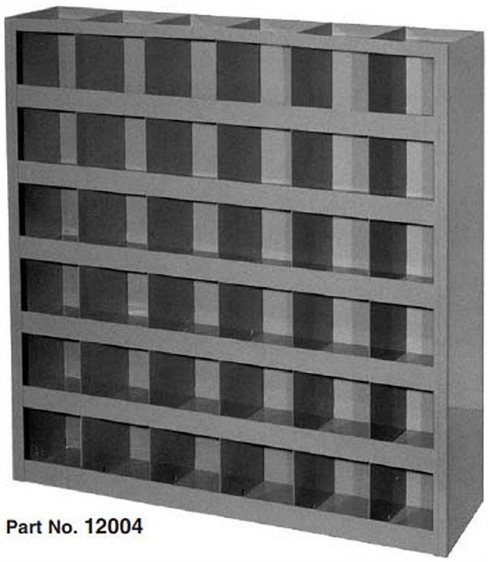
Base Stand for, ...M10-2
Storage Bins, Drawer Cabinets
Cabinet Doors, 40 Bin M10-2
Drawer Cabinets M10-2
Drawer Cabinet Dividers M10-2
Drill Cases M10-11
Drill and Tap Dispensers M10-12
Hand Cleaner Dispensers M10-16
Hand Clean Pump M10-16
Labels, Pressure Sensitive,
Storage Bins & Drawer Cabinets .M10-7
MSDS Organizer
Right to Know Compliance Center . .M10-6
Rack and Binder M10-6
Racks
2-4 Rod Wire Spool M10-13
Aerosol Can M10-14
Brake Line M10-14
Cable Tie M10-14
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Hose Clamp M10-13
Key Rack M10-16
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Literature Storage M10-16
Threaded Rod M10-13
Wheel Dispenser M10-14
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Storage Bins
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Storage Cabinets
E-Z View M10-8
Hose/Cable M10-7
Truck & Van Cabinets &
Accessories M10-17
Utility M10-8
Welding M10-13
Wire & Terminal M10-13
Storage Container M10-9
Steel Storage Tray Accessories
4 Drawer Slide Rack M10-5
6 Drawer Security Slide Rack M10-5
Slide Rack Stands M10-5
Storage Service Trays M10-3-4
Adjustable, Steel M10-3
Portable, Copolymer Resin M10-3
Plastic Utility Boxes M10-10
Steel M10-4
Stowaway Orrganizer M10-10

NOTES

STORAGE BINS

Heavy duty units designed for storing a wide variety of small parts.

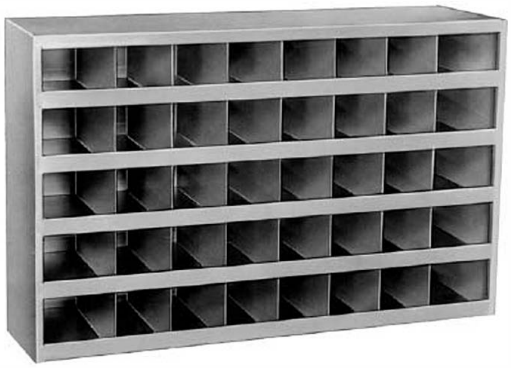
- Storage bins are made from prime, cold rolled steel – interlock and welded construction.
- Rust and acid resistant baked enamel finishes.
- One inch lip provides a convenient location for labels and keeps parts securely in place.



Part No. 12004

PART NUMBER	SPECIFICATIONS WIDTH	HEIGHT	DEPTH	NUMBER of BINS	BIN DEPTH	BIN HEIGHT	BIN WIDTH
12004*	23-5/8	23-5/8	4-3/4	36	3-3/4	3-3/4	3-7/8
12021†	35	21	12	40	12	4	4
12058	35	9-1/2	12	16	12	4-1/2	4
12068	35	17-1/2	12	32	12	4	4
12154	34	24	12	12	12	6-5/8	8
12155	34	20	12	18	12	6-3/8	5-3/8
12156	34	24	12	24	12	5-1/2	5-3/8
12157	35	21	12	8	12	8	8

* Vertical dividers are removable, allowing creation of double width bins.
† Doors available below.



Part No. 12021†

– 72 BIN CABINET –
ORDER
12021 and 12068

– 80 BIN CABINET –
ORDER TWO 12021
STORAGE BINS.



Part No. 12058



Part No. 12154



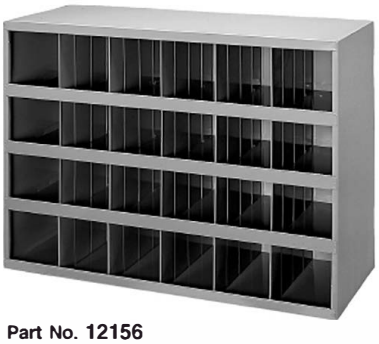
Part No. 12068



Part No. 12157



Part No. 12155



Part No. 12156

DRAWER CABINETS and ACCESSORIES

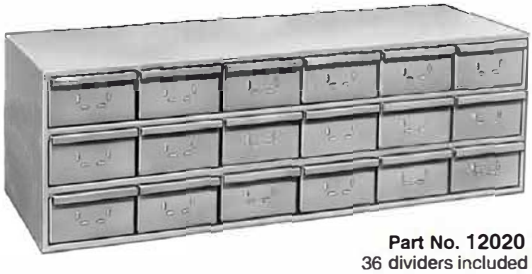
DRAWER CABINETS

Designed as heavy duty units for storing a wide variety of small parts.

- Drawer cabinets are made from prime, cold rolled steel – Interlock and welded construction.
- Rust and acid resistant baked enamel finishes.
- Exclusive "No Drag" drawers for smooth, easy travel.
- All drawers have "Positive Stop" mechanism which prevents drawers from being accidentally pulled out of the cabinet.
- All storage cabinets include drawer dividers (Part No. 12053.)
- All Drawer handles are molded as part of the drawer.

PART NUMBER	SPECIFICATIONS WIDTH	HEIGHT	DEPTH	NUMBER of DRAWERS	DRAWER DEPTH	DRAWER HEIGHT	DRAWER WIDTH
12020	33-3/4	11	11-5/8	18	11-3/16	2-3/4	5-5/16
12064	17-1/8	11	11-5/8	9	11-3/16	2-3/4	5-5/16
12065	33-3/4	3-15/16	11-5/8	6	11-3/16	2-3/4	5-5/16
12067	33-3/4	7-3/8	11-5/8	12	11-3/16	2-3/4	5-5/16
12070	17-1/8	11	11-5/8	6	11-3/16	2-3/4	5-5/16
12074*	33-3/4	12-13/16	11-11/16	18	11-3/16	3-1/2	5-5/16

* Drawers are 3/4" higher than cabinet 12020.



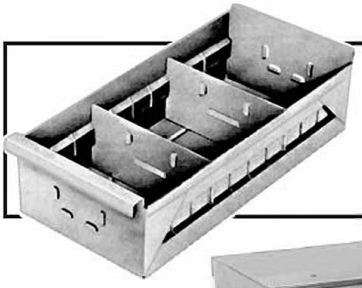
Part No. 12020
36 dividers included



Part No. 12064
18 dividers included

Part No. 12065
12 dividers included





DRAWER CABINET DIVIDERS
To use when extra spaces are needed.

Part No. 12053 10

Part No. 12067
24 dividers included





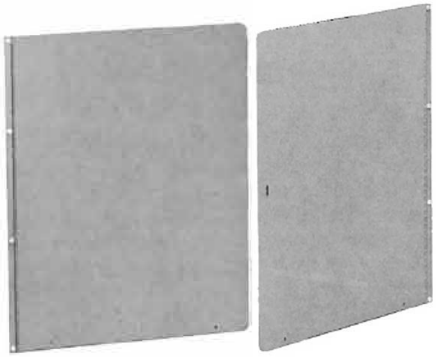
Part No. 12070
12 dividers included

Part No. 12074*
36 dividers included



40 BIN CABINET DOORS

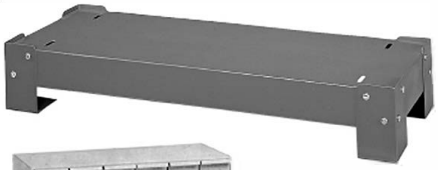
- Hinged door set with padlock attachment.
- Attach with sheet metal screws or rivets.
- Use with 40 bin cabinet #12021.
- Padlock, screws and rivets not included.



Part No. 12132

BASE STAND

- Special multi-purpose base stand can be used with or without legs.
- 3" raise without legs, 5-3/4" raise with short legs or 15" high with long legs.



Part No. 12059
(short legs 5-3/4" high)

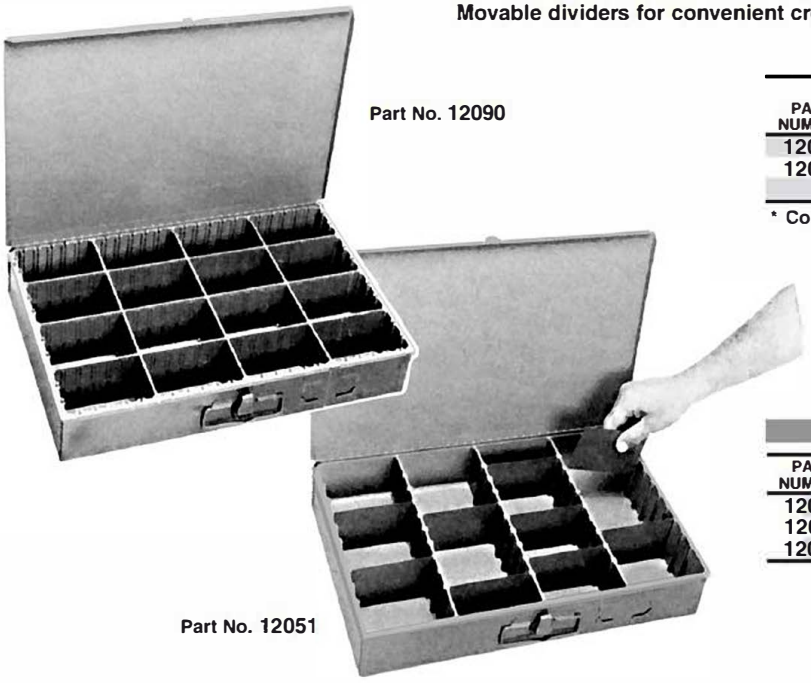
Part No. 12164
(long legs 15" high)



- 35" wide x 12" deep.
- Acid and rust resistant baked enamel finish.
- Solid top with raised lip corners so cabinet cannot slide off.
- Can be used with all storage bins and drawer cabinets.

SERVICE TRAYS – ADJUSTABLE

Movable dividers for convenient creation of any size compartment needed.



Part No. 12090

Part No. 12051

PART NUMBER	SPECIFICATIONS INCHES WIDTH	HEIGHT	DEPTH	PART NO. DIVIDERS
12051	18	3	12	12052
12090*	18	3	12	12091
				12092

* Completely adjustable, vertically and horizontally.

ADDITIONAL DIVIDERS

PART NUMBER	TYPE OF DIVIDER	TYPE OF MATERIAL	FITS TRAY NO.	QTY
12052	Horizontal	Plastic	12051	10
12091	Horizontal	Plastic	12090	3
12092	Vertical	Plastic	12090	3

PORTABLE SERVICE TRAYS

These trays are made to be carried right to the job. You don't have to guess what you need or stuff your pockets with what you might use.

- Luggage style handle for comfort.
- Fits all slide racks on page 14.
- Made from lightweight, tough copolymer resins that won't dent, rust, warp or break.



Part No. 12109



Part No. 12111



Part No. 12151



Part No. 12110

PART NUMBER	SPECIFICATIONS WIDTH	HEIGHT	DEPTH	NUMBER of COMPARTMENTS
12151	18	3	12	21
12109	18	3	12	24
12111*	18	3	12	4 to 16
12110*	18	3	12	8 to 32

* Includes removable partitions to create compartments from 4 to 16 and 8 to 32.

STORAGE TRAYS

SERVICE TRAYS

Designed for storing and transporting a wide variety of small parts.

- Service trays are made from prime, cold rolled steel.
- Rust and acid resistant baked enamel finishes.
- Service trays have scoop bottom compartments for easy removal of small parts.
- Metal clasp holds lid down to provide transportability.

PART NUMBER	SPECIFICATIONS INCHES WIDTH	HEIGHT	DEPTH	NUMBER of COMPARTMENTS
12116	18	3	12	6
12061	18	3	12	12
12050	18	3	12	16
12071	18	3	12	20
12056*	18	3	12	21
12017	18	3	12	24
12062	18	3	12	32
12166	18	3	12	6

* 20 equal size compartments, with one large compartment for tools.



Part No. 12017



Part No. 12071



Part No. 12166



Part No. 12116



Part No. 12056



Part No. 12050

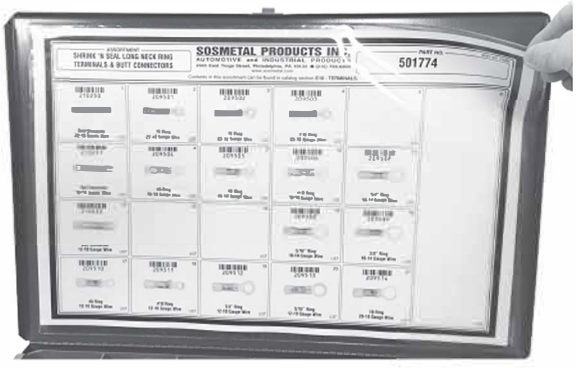


Part No. 12061



Part No. 12062

CLEAR PLASTIC POUCH FOR SERVICE TRAYS



- Keeps lidcharts clean & protected.
- No more dirty or greasy smudges.
- Easily wipes clean.
- Peel & stick backing.
- Holds large sizes up to 17-5/8" x 11-9/16" lid charts.
- Use also for inventory, labels, planograms, job jackets, instruction sheets and more.

Part No. 12183

STORAGE TRAY ACCESSORIES

4 DRAWER SLIDE RACKS



LOCKING HINGES
For 4 drawer racks.
Locks drawers in place.

Part No. 12131

- Slide racks are made from prime, cold rolled steel.
- Rust and acid resistant baked enamel finishes.
- Each tray can hold 100lbs. in the open position without tilting.
- Fits all service trays on the facing page.
- Part No. 12007 features "Triple Track" telescoping tracks for extra extension. Takes up less room but provides full opening. (Spacer saver)
- Part No. 12112 features heavy duty construction with metal riveted roller wheels built to handle the heaviest loads.
- Part No. 12131 to be used with 4 drawer racks listed below.
- Keeps drawers secure in service trucks.

PART NUMBER	SPECIFICATIONS WIDTH	HEIGHT	DEPTH	NUMBER of DRAWERS
12134	20-1/4	8-1/8	15-3/4	2
12007	20-5/16	15	12-1/2	4
12019	20-1/4	14-3/4	15-3/4	4
12112	20-7/16	14-3/4	16-3/4	4

6 DRAWER SECURITY SLIDE RACK



- Slide racks are made from prime, cold rolled steel.
- Rust and acid resistant baked enamel finishes.
- Each tray can hold 100lbs. in the open position without tilting.
- Fits all service trays on the facing page.
- Not recommended for wall mounting.
- Door includes an exclusive keyed sliding lock system.
- Telescoping tracks.
- 24" H x 20-3/4" W x 14" D.
- Drawers not included.

Part No. 12135

SLIDE RACK STANDS



- Acid and rust resistant baked enamel finish.
- For convenient use of lower drawers.
- 1/2" lip at corners so cabinet will not slide off.
- Extra strong allows cabinet stacking.

PART NUMBER	SPECIFICATIONS WIDTH	HEIGHT	DEPTH	USE with SLIDE RACK NO.
12152	20-5/16	5-3/4	12-1/2	12007
12115	20-5/16	15	12-1/2	12007
12153	20-1/4	5-3/4	15-3/4	12019
12060	20-1/4	15	15-3/4	12019
12113	20-7/16	15	16-3/4	12112

RIGHT TO KNOW COMPLIANCE CENTER and ACCESSORIES

• For Compliance with OSHA's Hazard Communication Standard • Organize SDS Sheets in One Place •

RIGHT TO KNOW COMPLIANCE CENTER



Economical and popular.

This compliance center contains
- Red polystyrene board:
  - Holes for wall mounting
  - Bright safety colors
  - Storage rack for binder
- Yellow SDS binder:
  - 2" wide with 1-1/2" rings
  - Cover and spline marked SDS
- Chain - 3 feet long

Part No. RTK200
20" high x 14" wide x 4-1/2" deep

RIGHT TO KNOW RACK and BINDER



This compliance center contains
- Same rack, binder and chain as RTK200 - without the red backboard:
  - Holes in rack for wall mounting
  - Rack holds binders up to 3-1/2" wide

Part No. RTK600
12" high x 14" wide x 4-1/2" deep

STORAGE CABINETS and ACCESSORIES

HOSE / CABLE CABINET



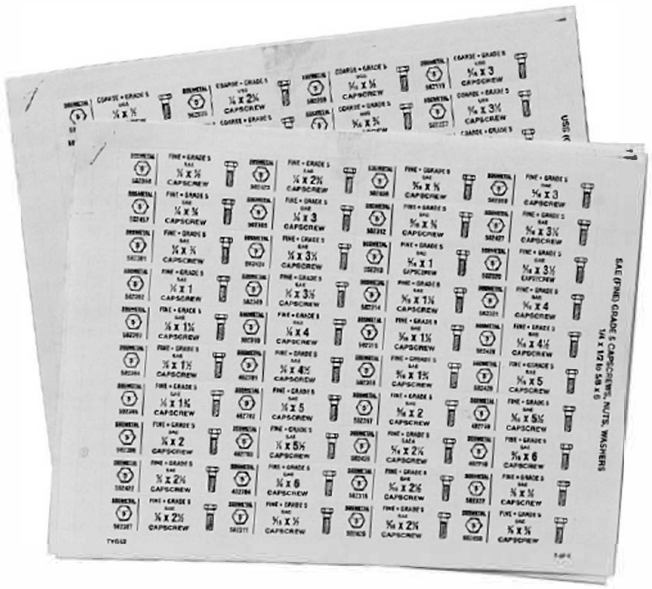
Used to store hose, cable, tubing, wire, etc.

- Welded construction.
- Made from prime cold rolled steel.
- Rust resistant baked enamel finish.
- Ideal for storing hydraulic hose.
- Sections are adjustable.
- Includes 5 dividers.
- Shipped motor freight.

Part No. 12150
Cabinet size
27-3/4" H x 36" W x 20" D
Weights 70 lbs.

PRESSURE SENSITIVE, EASY PEEL LABELS

Used on storage bins & drawer cabinets



- Coated paper resists dirt and oil.
- All labels are printed on coated stock.

PART NUMBER	TYPE OF LABEL	PAPER COLOR
TYG13	Metric 8.8 Hardware Set (TYG55 Coarse & TYG56 Fine)	White
TYG14	Grade 5 Hardware Set (TYG51 USS & TYG52 SAE)	White
TYG15	Blank	Yellow
TYG35	PCV Valves	White
TYG39	Wheel Studs & Nuts	White
TYG51	Grade 5 USS Hardware	White
TYG52	Grade 5 SAE Hardware	White
TYG53	Grade 8 USS Hardware	Yellow
TYG54	Grade 8 SAE Hardware	Yellow
TYG55	Metric 8.8 Coarse	White
TYG56	Metric 8.8 Fine	White
TYG57	Metric 10.9 Coarse	Yellow
TYG63	Brass Fittings	Yellow
TYG67	Mini Bulbs	White
TYG69	Grade 5 USS Lg. Sizes	White
TYG70	Grade 8 USS Lg. Sizes	Yellow
TYG77	Drain Plugs	White
TYG78	Drain Plug Gaskets	White
TYG80	Grade 8 Hardware Set (TYG53 USS & TYG54 SAE)	Yellow

Label Sets are available for all assortments in Bins. To order use stock number with "BL" suffix (ex. BL501054).

STORAGE CABINETS

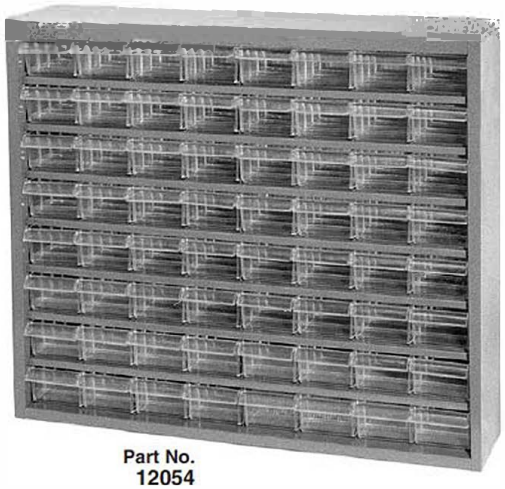
E-Z VIEW STORAGE CABINETS

For storing a wide variety of small parts.

- Welded construction.
- Drawers are made of clear, break resistant high impact styrene.
- Exclusive "Non-Slip" feature.
- Wall mounting if desired.



Part No. 12055



Part No. 12054

PART NUMBER	SPECIFICATIONS WIDTH	HEIGHT	DEPTH	NUMBER of DRAWERS	DRAWER DEPTH	DRAWER HEIGHT	DRAWER WIDTH
12054	21	25-3/8	6-3/8	64	5-1/2	1-7/8	2-7/8
12055	16-3/8	11	6-3/8	20	5-1/2	1-7/8	2-7/8

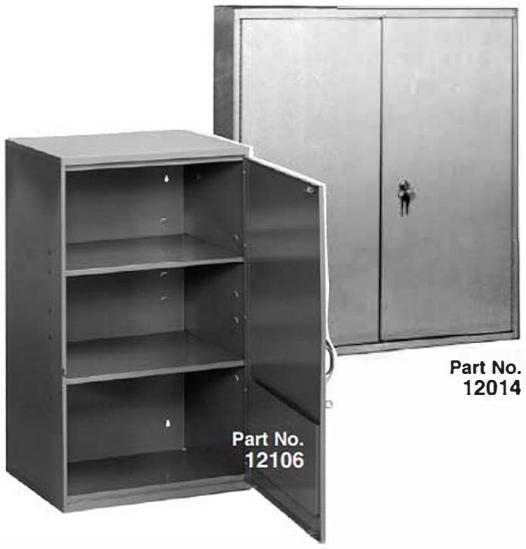
UTILITY CABINETS

Store and organize a variety of miscellaneous items.

- Cabinets are made from prime, cold rolled steel.
- Acid and rust resistant baked enamel finish.
- 12105 and 12106 cabinets feature two adjustable shelves and a locking hinged door.
- 12014 cabinet features double doors with lock and two keys (ignition cabinet.)

Part No. 12105





Part No. 12014

Part No. 12106

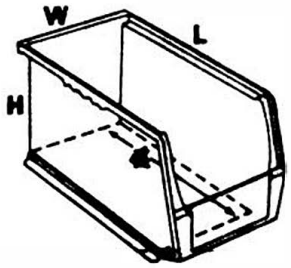
PART NUMBER	SPECIFICATIONS WIDTH	HEIGHT	DEPTH	NUMBER of SHELVES
12105	14	30	13	2
12106	20	33	14	2
12014	26-1/2	30	9	5

STORAGE BINS and CONTAINERS

STACKABLE PLASTIC BINS

Heavy duty units designed for storing a wide variety of small parts.

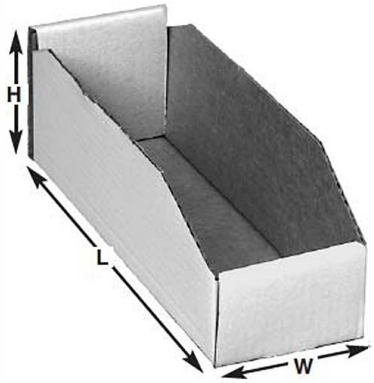




- Extra-wide stacking ledge assures stability and allows higher stacking.
- Anti-slide stop prevents stacked bins from shifting forward.
- Large label slot for easy labeling and relabeling.
- Curved bottom at front of each bin allows easy retrieval of small parts.

PART NUMBER	SPECIFICATIONS WIDTH	HEIGHT	LENGTH	COLOR
12073	8	7	11	Yellow

CORRUGATED BIN BOXES

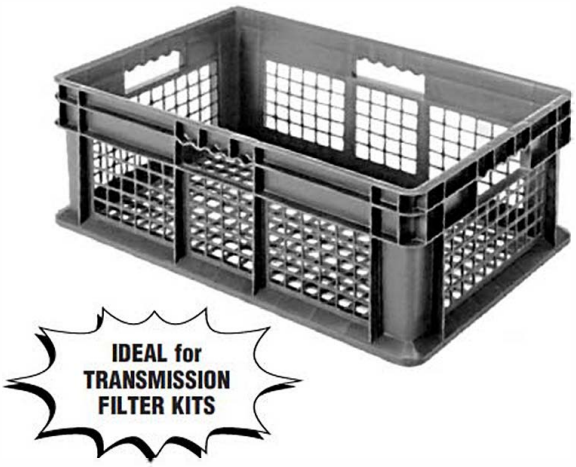


- 200 lb. test corrugated cardboard construction.
- Designed to stretch your shelving space.
- White exterior.
- Easily labeled or marked.
- Assembly required.

PART NUMBER	SPECIFICATIONS INCHES WIDTH	HEIGHT	LENGTH	QTY
12136	2	4	12	25
12137	4	4	12	25
12138	8	4	12	25

PART NUMBER	SPECIFICATIONS INCHES WIDTH	HEIGHT	LENGTH	QTY
12139	4	4	18	25
12140	8	4	18	25

STORAGE CONTAINER



- Excellent solution for stocking transmission filter kits and other bulky items.
- Straight walls allow for efficient use of space.
- Hand holes on all four sides.
- High density polyethylene for rigidity, strength, durability.
- Mesh side and base allow high visibility and won't trap dirt.
- **Only available in grey.**

PART NUMBER	SPECIFICATIONS INCHES WIDTH	LENGTH	HEIGHT
12127	24	16	12

PLASTIC STORAGE TRAYS and ORGANIZER

THE STOWAWAY ORGANIZER

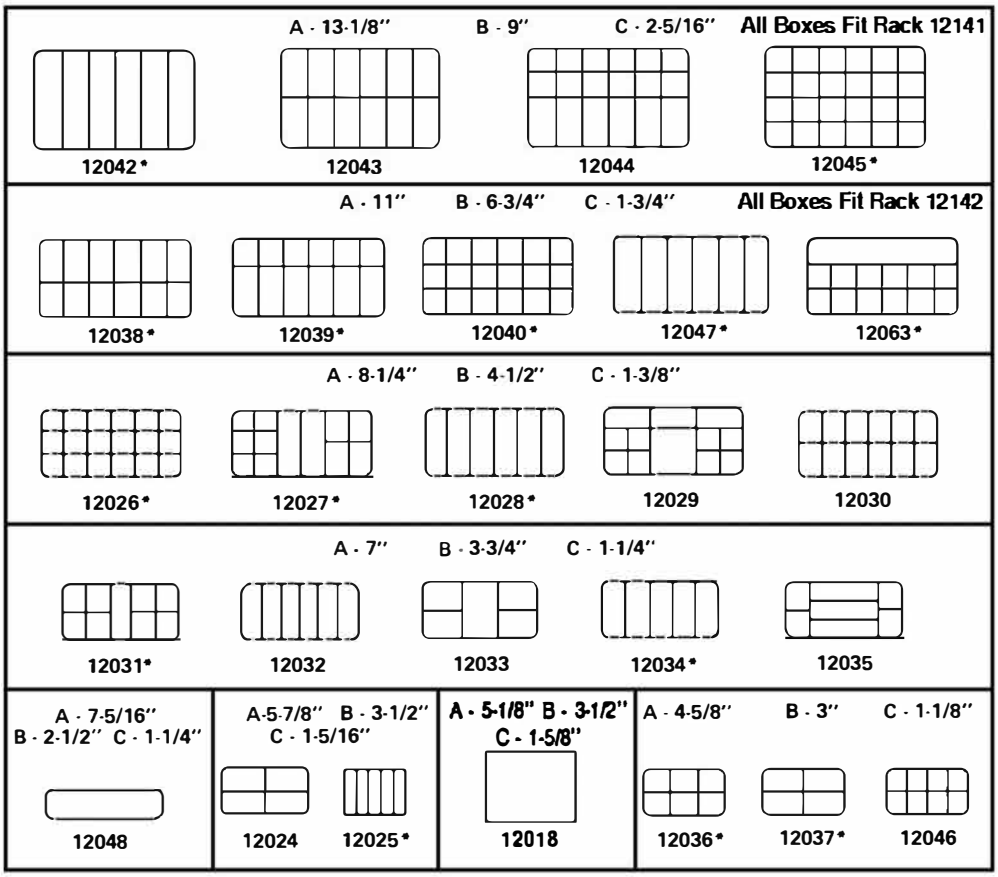


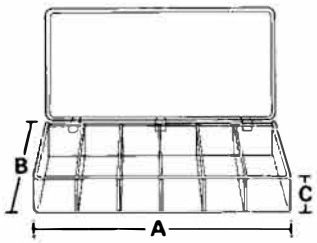
- Made from prime cold rolled steel.
- Durable gray baked enamel finish.
- Versatile 3 way use - key hole slots for wall mounting, bolt holes for stacking and handle for carrying.
- Holds 5 plastic trays (as noted below).
- 2 sizes available.

Part No. 12141
13-1/2" W x 9-1/8" D x 13-1/4" H

Part No. 12142
11-1/4" W x 6-3/4" D x 10-3/4" H

PLASTIC UTILITY BOXES





- Handy, inexpensive and durable.
- Transparent or translucent plastic with hinged lid and snap-closure.
- Sizes and compartments for any use: storing hardware, office and hobby supplies, electronic and precision parts and much more.

*Polypropylene - Heavy Duty

DRILL CASES

METRIC DRILL CASE

- The best protection for your valuable drills.
- High impact steel.
- Space for 11 metric drills.
- 1mm to 6mm by .50mm increments.
- Drill sizes imprinted for easy identification.

Part No. 12093



METRIC DRILL CASE

- Ideal for keeping your drills safe and handy.
- High impact steel.
- Space for 19 metric drills.
- 1mm to 10mm by .50mm increments.
- Drill sizes imprinted for easy identification.

Part No. 12094



TAP AND DRILL CASE

- The best drill and tap case for protecting your valuable tools.
- High impact steel.
- Space for 9 drills and 9 taps.
- Sizes 6-32 to 1/2-13 coarse thread.
- Drill and tap sizes imprinted for easy identification.

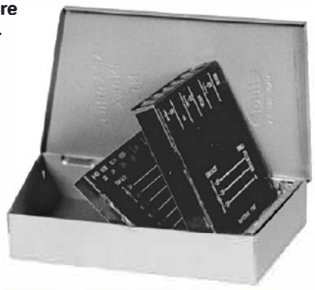
Part No. 12107



TAP AND DRILL CASE

- You'll save time when your drills are organized in this handy steel case.
- High impact steel.
- Space for 9 drills and 9 taps.
- Sizes 6-40 to 1/2-20 fine thread.
- Drill and tap sizes imprinted for easy identification.

Part No. 12108



INDUSTRIAL DRILL CABINET

- Space for 29 drills, 12 of each - 1/16" to 1/2" by 64ths.
- Heavy duty construction allows cabinets to be stacked on each other.

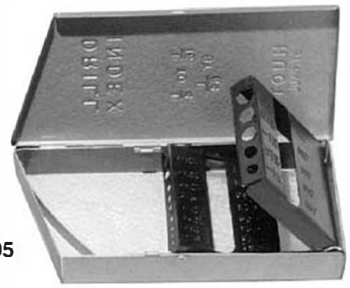
Part No. 12072
Cabinet Size:
14-1/2" long
x 7-1/4" high
x 7-1/4" deep.



FRACTIONAL DRILL CASE

- Space for 13 fractional drills - 1/16" to 1/2" by 64ths.
- Sizes imprinted on case for easy
- identification.

Part No. 12095



FRACTIONAL DRILL CASE

- Space for 15 fractional drills - 1/16" to 1/2" by 32nds.
- Sizes imprinted on case for easy identification.

Part No. 12096



FRACTIONAL DRILL CASE

- Space for 29 fractional drills - 1/16" to 1/2" by 64ths.
- Sizes imprinted on case for easy identification.

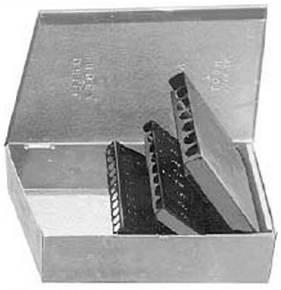
Part No. 12097



LETTER DRILL CASE

- Space for 26 letter drills - from A to Z.
- Sizes imprinted on case for easy identification.

Part No. 12098



NUMBER DRILL CASE

- Space for 60 number drills - from 1 to 60.
- Sizes imprinted on case for easy identification.

Part No. 12099



DRILL and TAP DISPENSERS

1/2" REDUCED SHANK DRILL INDEX

- Space for 8 drills, sizes 9/16"-1" by 16ths.
- Sizes imprinted on case for easy identification.



Part No. 12148

LETTER DRILL DISPENSER

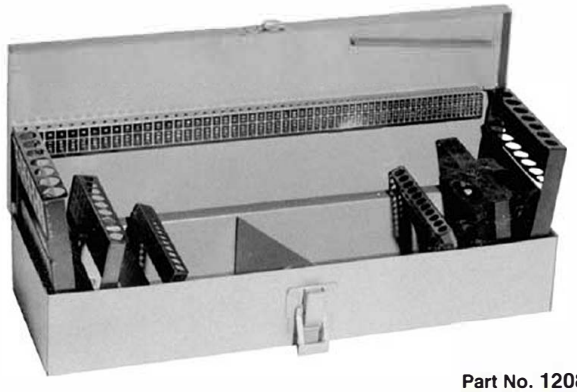
- For letter drills A to Z.
- Has 3 drawers.



Part No. 12085

MASTER COMBINATION DRILL INDEX

- Holds fractional drills 1/16" to 1/2" by 64ths.
- Wire gauge No. 1 to No. 60.
- Letter sizes A to Z.



Part No. 12082

NUMBER DRILL DISPENSER

- For number drills 1 to 60.
- Has 5 drawers.



Part No. 12084

MASTER TAP DISPENSER

For 1/4" to 1" Tap Sizes.

- Plastic dividers protect tap edges.
- Extra storage for drills, dies, etc.
- 14-1/2" x 7-1/4" x 7-1/4"

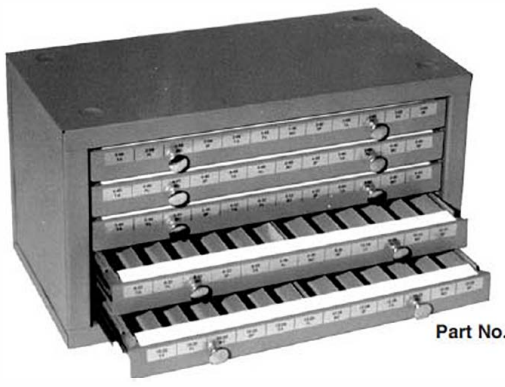


Part No. 12086

MASTER TAP DISPENSER

For 2-56 to 12-24 Tap Sizes.

- Plastic dividers protect tap edges.
- Extra storage for drills, dies, etc.
- 14-1/2" x 7-1/4" x 7-1/4"



Part No. 12087

2 ROD WIRE SPOOL RACK

- Ideal for counter top use.
- Heavy duty metal construction.
- Will hold up to eight 100' spools.



Part No. 12002

Cabinet size: 26-1/8" wide x 17-7/8" high x 6" deep.

4 ROD WIRE SPOOL RACK



- Heavy duty metal construction.
- Stores spools up to 10" diameter.
- Spools load and unload easily.

Part No. 12057

Cabinet size: 26-1/8" wide x 37-1/8" high x 6" deep.

WIRE & TERMINAL STORAGE CABINET

- Holds 24, 3-1/2" spools.
- 6 rods for wire spools.
- 21 compartment storage drawer for small parts and tools.
- 16 rubberized wire grommets to keep wires from tangling.
- Accommodates up to 10 gauge wire.

PSS062215

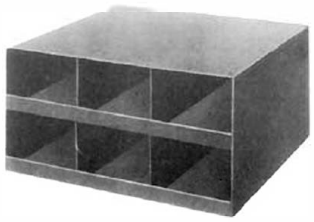


Part No. 12182

Cabinet size: 15-3/16" wide x 11-7/8" deep x 16-7/16" high.

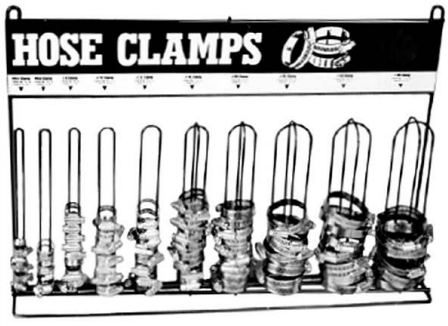
WELDING ROD CABINET

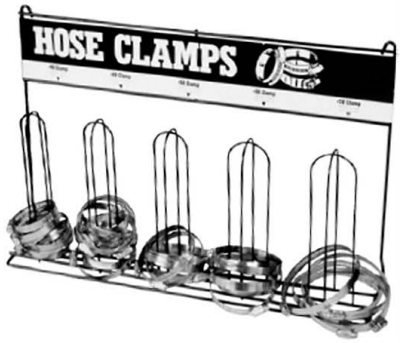
- Welded construction.
- Baked grey hammerstone enamel finish.
- Cabinet Size: 16-1/8" wide x 18-1/2" deep x 8-1/8" high.



Part No. 12078

MASTER HOSE CLAMP RACKS





- Durable heavy duty steel construction.
- Bench or wall mountable.
- Sign panel lists clamp diameters.
- **Rack size:** 23-1/4" wide x 16-1/8" high x 5-1/4" deep.

Contents not included with racks

PART NUMBER	HOSE CLAMP SIZES	NUMBER OF LOOPS
12124	#4 mini thru #36	10
12125	#40 thru #72	5

THREADED ROD RACK



- Heavy duty metal construction.
- Separates and protects threaded and unthreaded rod, key stock.
- 18 separate compartments.
- **Compartment size:** 2-1/16" square.

Part No. 12006

Cabinet size: 24-1/8" wide x 24" high x 6-7/8" deep.

KEYSTOCK RACK

- 10 compartments, holds keystock up to 3/4" x 12".
- Bench or wall mount.
- **Rack size:** 12-1/4" wide x 12" high x 6-1/4" deep.

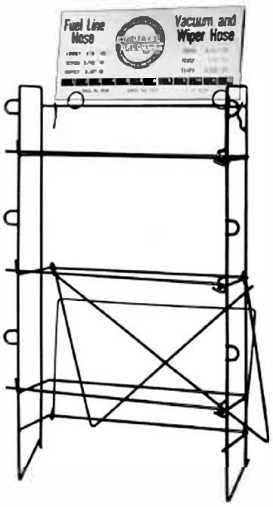
Contents not included with rack

Part No. 12123



RACKS

FUEL LINE - VACUUM HOSE RACK



- Sturdy yet inexpensive.
- Durable, all metal, heavy duty construction.
- Hang on wall or place on counter or floor.
- Easy assembly - no tools needed.

Part No. 12010

WHEEL DISPENSER



- Holds 4-1/2" size cut-off wheels or grinding wheels.
- Take one out and the next one drops down.
- 16-1/8" H x 6-3/16" W x 5-3/16"D.
- Holds approx: 275 cut-off wheels or 60 grinding wheels

Part No. 12178

BRAKE LINE RACK

METRIC • IMPORT

- Sturdy metal construction.
- Holds 7 lengths – 35 lines total.

Part No. 12015



BRAKE LINE RACK

FRACTIONAL • DOMESTIC

- Sturdy metal construction
- Informative face plate tells about our "Safety Certified" hydraulic brake lines.
- 6 different lengths of 3 sizes – 18 total printed on the face plate.

Part No. 12011

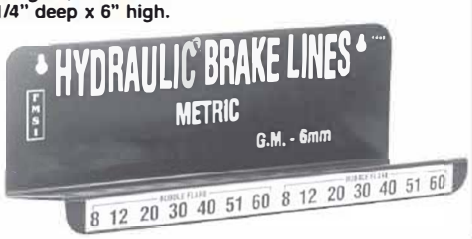


BRAKE LINE RACK

GM 6mm

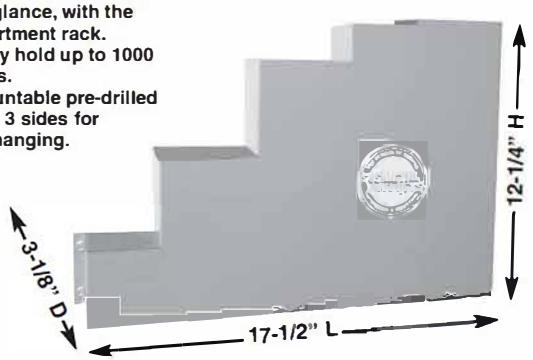
- Sturdy metal construction.
- 14 slots, holds 7 lengths, total 112.
- 14-3/4" long x 5-1/4" deep x 6" high.

Part No. 12165



CABLE TIE RACK

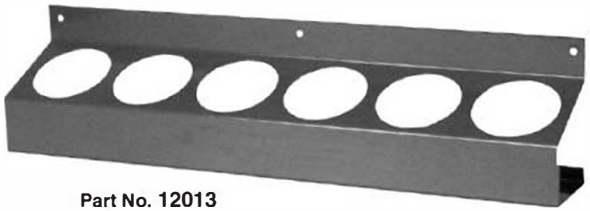
- Inventory can be taken at a quick glance, with the 5 compartment rack.
- Rack may hold up to 1000 cable ties.
- Wall mountable pre-drilled holes on 3 sides for ease of hanging.



Part No. 12180

AEROSOL CAN RACK

- Heavy duty metal construction.
- Hang on wall or use on counter.
- 21-1/2 wide, 5-1/4 high, 3-1/8 deep.
- 6 compartments.



Part No. 12013

EXACT FIT® WIPER RACK

- 2' display (24" W x 11.5" H x 24" D).
- Easy to read application charts provide convenient access to important product information.
- 9 adjustable hooks.



Contents not included with rack

Part No. 12145

RAINY DAY WIPER RACK

- 2' display holds up to 150 blades.
- Durable, easy to clean and maintain.
- Easy mounts to most pegboard fixtures.
- Display shipped without products & application guide or header card.
- Application guide available separately (PB37).
- Header card 2' available separately (12143).



Contents not included with rack

Part No. 12147

GLOVE DISPENSER RACK



Part No. 415169



- Metal back plate for wall mounting (mounting screws and anchors included).
- Holds boxes of disposable gloves.
- Wire dispenser - industrial duty & PVC coated.
- Keeps gloves within easy reach.

BOSCH ROLLING DISPLAY WIPER RACK

- 2' rolling design.
- 3 bars with 10 hooks each will accommodate a total of 180 blades.
- Attractive molded styrene header.
- Sturdy base great for holding one gallon jugs of windshield washer solvent.



Part No. 12146

HAND CLEANER DISPENSERS, SHELVING / STORAGE TRAYS and RACKS

CITRA-CLEAN PUMP



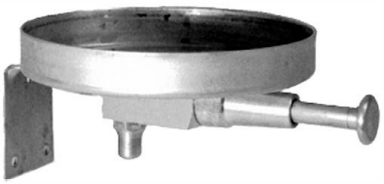
All natural, organic hand cleaner, with Di-Limonene

- Fits Citra-Clean 1 gallon jugs.
- Stainless steel construction, withstands heavy industrial use jug after jug after jug. Will not fail like throw - away plastic pumps.
- Never buy another pump. Guaranteed for life when used with our brand Citra-Clean hand cleaner.

Part No. 13188

WALL MOUNT DISPENSERS

- Heavy duty pump assemblies can be used with Citra-Clean or E-Z clean hand cleaners.
- Pumps both pumice and non-pumice products.
- Fully guaranteed for 5 years.



Part No. 13187
Fits 7 lb. can



Part No. 13186
Fits 4-1/2 lb. can

STORAGE DOOR TRAY



- High quality, all steel storage door trays are designed specifically for use in outfitting trucks and vans.
- Storage door trays are perfect for plumbers, electricians, sign painters, service vehicles, anyone who works out of their truck or van.
- Ready to install.
- Trays come with lids.

Part No. 12075
Tray Size:
21" wide x 21" high x 4-1/2" deep.
3 door trays with 12 tray dividers.

LITERATURE STORAGE RACK



- Our racks provide a convenient and compact way to store literature and still keep it readily accessible and visible.
- Storage literature racks are perfect for waiting rooms, and it can be used for parts booklets, wall charts, shop catalogs, invoices, etc.
- Keyhole slots are provided for wall mounting.

Part No. 12076
Rack Size:
13-1/8" wide x 26-1/4" high x 2" deep.
Opening: A = 12-1/8" wide,
B = 5/16" deep, C = 5-5/8" high
Number of pockets: 10

KEY RACK



- 28 hooks included.
- Free standing.

Part No. 915001

TRUCK and VAN CABINETS and ACCESSORIES

Part No. 12162



Part No. 12161



Part No. 12160

- Made from prime cold rolled steel.
- Welded construction.
- Part No. 12160 are ideal for large tools and bulky items.
- Part No. 12160 and 12161 come with lockable hinges to hold drawers in place in moving vehicles.
- Part No. 12161 comes with 81 adjustable dividers.
- Gray baked enamel finish.
- **ALLOW APPROXIMATELY 2 WEEKS FOR DELIVERY.**

PART NUMBER	SPECIFICATIONS WIDTH	HEIGHT	DEPTH	NUMBER of DRAWERS	NUMBER ~~OF~~ DIVIDERS	~~WEIGHT~~ LBS.
12160*	12-5/8	24-1/2	12-1/8	4	0	32
12161*	12-5/8	24-1/2	12-1/8	9	81	46
12162	Dividers for No. 12161					1

* Padlock not included.

M SECTION STORAGE SOLUTIONS













M10-17 PIX

PICTURE ILLUSTRATIONS OF PRODUCTS BEING USED.

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