# Automotive


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# J.I.S Fasteners

## J.I.S. B1180 • Steel • Heat Treated • I.S.O. Class 8.8 & 10.9 • Zinc Plated

J.I.S. fasteners have a smaller hex dimension (across the flats) than DIN or ISO metric fasteners. They fit in those tight spots where the hex of an ISO or DIN fastener is too large. J.I.S. fasteners are OEM equipment on many GM and Japanese import car applications, as well as Japanese imported equipment and machinery.

### J.I.S. Hex Head Bolts 8.8

| IBS No. | Diameter & Pitch | Length | Pkg. Qty. |
|---|---|---|---|
| M8-1.25 (Width Across the Flats; 12mm) | | | |
| **10801** | 8mm-1.25 | 12mm | 100 |
| **10802** | 8mm-1.25 | 16mm | 100 |
| **10803** | 8mm-1.25 | 20mm | 100 |
| **10804** | 8mm-1.25 | 25mm | 50 |
| **10805** | 8mm-1.25 | 30mm | 50 |
| **10806** | 8mm-1.25 | 35mm | 50 |
| **10807** | 8mm-1.25 | 40mm | 50 |
| **10809** | 8mm-1.25 | 50mm | 50 |
| M10-1.25 (Width Across the Flats; 14mm) | | | |
| **10811** | 10mm-1.25 | 20mm | 50 |
| **10812** | 10mm-1.25 | 25mm | 50 |
| **10813** | 10mm-1.25 | 30mm | 25 |
| **10814** | 10mm-1.25 | 35mm | 25 |
| **10815** | 10mm-1.25 | 40mm | 25 |
| **10816** | 10mm-1.25 | 45mm | 25 |
| **10817** | 10mm-1.25 | 50mm | 25 |
| **10818** | 10mm-1.25 | 60mm | 25 |
| M12-1.25 (Width Across the Flats; 17mm) | | | |
| **10821** | 12mm-1.25 | 20mm | 50 |
| **10822** | 12mm-1.25 | 25mm | 25 |
| **10823** | 12mm-1.25 | 30mm | 25 |
| **10824** | 12mm-1.25 | 35mm | 25 |
| **10825** | 12mm-1.25 | 40mm | 25 |
| **10827** | 12mm-1.25 | 50mm | 25 |

### J.I.S. Hex Flange Bolts 10.9

| IBS No. | Diameter & Pitch | Length | Pkg. Qty. |
|---|---|---|---|
| M6-1.00 (Width Across the Flats; 10mm) | | | |
| **10850** | 6mm-1.00 | 12mm | 100 |
| **10851** | 6mm-1.00 | 16mm | 100 |
| **10852** | 6mm-1.00 | 20mm | 100 |
| **10856** | 6mm-1.00 | 25mm | 100 |
| **10853** | 6mm-1.00 | 30mm | 100 |
| **10854** | 6mm-1.00 | 35mm | 100 |
| **10855** | 6mm-1.00 | 40mm | 100 |
| M8-1.25 (Width Across the Flats; 12mm) | | | |
| **10860** | 8mm-1.25 | 12mm | 50 |
| **10861** | 8mm-1.25 | 16mm | 50 |
| **10862** | 8mm-1.25 | 20mm | 50 |
| **10863** | 8mm-1.25 | 25mm | 50 |
| **10864** | 8mm-1.25 | 30mm | 50 |
| **10865** | 8mm-1.25 | 35mm | 50 |
| **10866** | 8mm-1.25 | 40mm | 50 |
| M10-1.25 (Width Across the Flats; 14mm) | | | |
| **10870** | 10mm-1.25 | 16mm | 25 |
| **10871** | 10mm-1.25 | 20mm | 25 |
| **10872** | 10mm-1.25 | 25mm | 25 |
| **10873** | 10mm-1.25 | 30mm | 25 |
| **10874** | 10mm-1.25 | 35mm | 25 |
| **10875** | 10mm-1.25 | 40mm | 25 |
| **10876** | 10mm-1.25 | 45mm | 25 |
| **10877** | 10mm-1.25 | 50mm | 25 |

### J.I.S. Small Hex Nuts

| IBS No. | Diameter & Pitch | WAF | Pkg. Qty. |
|---|---|---|---|
| **10840** | 8mm-1.25 | 12mm | 100 |
| **10841** | 10mm-1.25 | 14mm | 100 |
| **10842** | 12mm -1.25 | 17mm | 100 |

### J.I.S. Hex Flange Nuts - Serrated

| IBS No. | Diameter & Pitch | WAF | Pkg. Qty. |
|---|---|---|---|
| **10845** | 6mm-1.00 | 10mm | 100 |
| **10843** | 8mm-1.25 | 12mm | 100 |
| **10844** | 10mm-1.25 | 14mm | 100 |

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# J.I.S. Hex Head Capscrews Assortment

**IBS No. 697R • 20 Pieces • 595 Items**

**Packaged in a locking steel drawer for easy storage & organization**

IBS, Inc.
SPECIALTY PRODUCTS FOR MAINTENANCE & REPAIR
INDUSTRIALBOLT.COM 800-678-1906

JIS Hex Head Capscrews

Assortment No. 697R

| | | | | | |
|---|---|---|---|---|---|
| 10802 M8-1.25 X 16 JIS HEX C/S ZP | 10803 M8-1.25 X 20 JIS HEX C/S ZP | 10804 M8-1.25 X 25 JIS HEX C/S ZP | 10805 M8-1.25 X 30 JIS HEX C/S ZP | 10807 M8-1.25 X 40 JIS HEX C/S ZP | 10811 M10-1.25 X 20 JIS HEX C/S ZP |
| 10812 M10-1.25 X 25 JIS HEX C/S ZP | 10813 M10-1.25 X 30 JIS HEX C/S ZP | 10814 M10-1.25 X 35 JIS HEX C/S ZP | 10815 M10-1.25 X 40 JIS HEX C/S ZP | 10816 M10-1.25 X 45 JIS HEX C/S ZP | 10817 M10-1.25 X 50 JIS HEX C/S ZP |
| 10822 M12-1.25 X 25 JIS HEX C/S ZP | 10823 M12-1.25 X 30 JIS HEX C/S ZP | 10824 M12-1.25 X 35 HEX C/S JIS ZP | 10825 M12-1.25 X 40 JIS HEX C/S ZP | 10827 M12-1.25 X 50 JIS HEX C/S ZP | |
| 10840 M8-1.25 JIS HEX NUT ZP | 10841 M10-1.25 JIS HEX NUT ZP | 10842 M12-1.25 JIS HEX NUT ZP | | | |

# Metric J.I.S. Flange Bolts Assortment

**IBS No. 779R • 24 Pieces • 605 Items**

**Packaged in a locking steel drawer for easy storage & organization**

IBS, Inc.
SPECIALTY PRODUCTS FOR MAINTENANCE & REPAIR
INDUSTRIALBOLT.COM 800-678-1906

Metric JIS Flange Bolts

Assortment No. 779R

| | | | | | |
|---|---|---|---|---|---|
| 10850 M6-1.0 X 12 JIS FLANGE BOLT ZP 10.9 | 10851 M6-1.0 X 16 JIS FLANGE BOLT ZP 10.9 | 10852 M6-1.0 X 20 JIS FLANGE BOLT ZP 10.9 | 10856 M6-1.0 X 25 JIS FLANGE BOLT ZP 10.9 | 10853 M6-1.0 X 30 JIS FLANGE BOLT ZP 10.9 | 10854 M6-1.0 X 35 JIS FLANGE BOLT ZP 10.9 |
| 10855 M6-1.0 X 40 JIS FLANGE BOLT ZP 10.9 | 10860 M8-1.25 X 12 JIS FLANGE BOLT ZP 10.9 | 10861 M8-1.25 X 16 JIS FLANGE BOLT ZP 10.9 | 10862 M8-1.25 X 20 JIS FLANGE BOLT ZP 10.9 | 10863 M8-1.25 X 25 JIS FLANGE BOLT ZP 10.9 | 10864 M8-1.25 X 30 JIS FLANGE BOLT ZP 10.9 |
| 10865 M8-1.25 X 35 JIS FLANGE BOLT ZP 10.9 | 10866 M8-1.25 X 40 JIS FLANGE BOLT ZP 10.9 | 10870 M10-1.25 X 16 JIS FLANGE BOLT ZP 10.9 | 10871 M10-1.25 X 20 JIS FLANGE BOLT ZP 10.9 | 10872 M10-1.25 X 25 JIS FLANGE BOLT ZP 10.9 | 10873 M10-1.25 X 30 JIS FLANGE BOLT ZP 10.9 |
| 10874 M10-1.25 X 35 JIS FLANGE BOLT ZP 10.9 | 10875 M10-1.25 X 40 JIS FLANGE BOLT ZP 10.9 | 10877 M10-1.25 X 50 JIS FLANGE BOLT ZP 10.9 | 10845 M6-1.0 JIS SERR FLANGE NUT ZP | 10843 M8-1.25 JIS SERR FLANGE NUT ZP | 10844 M10-1.25 JIS SERR FLANGE NUT ZP |

# Push Retainers

**A-8853**
Ford: C5AB-6220586A
Door Weather strip
(Natural)
Hd Dia: 3/16 x 1/2
Stem: 3/16 x 5/8
**PKG QTY: 50**

**A-10621**
GM: 2064891 & 9883583
Door Trim Panel & Headliner
White
Hd Dia: 3/4
Stem: 5/16 x 1/2
**PKG QTY: 50**

**A-10831**
GM: 332364; Chry: 3691590; AMC: 4004 569; Ford: 389358
Fender &
Bumper Shield
Black
Hd Dia: 11/16
Stem: 5/16 x 5/8
**PKG QTY: 50**

**A-10832**
6270163
Gray Nylon
Fender & Bumper
Shield Retainer
GM-1973-on
**PKG QTY: 50**

**A-11110**
Hex Sems Screw Size : 3/8-16
Length : 1-3/8"
Across Flats : 9/16"
Washer Diam : 1-1/8"
Point Type : CA
Finish : Phosphate
**PKG QTY: 25**

**A-11120**
GM: 87319109
Door Weather strip
Black
Hd Dia: 13/32
Stem: 5/32 x 3/8
**PKG QTY: 100**

**A-11129**
Chry: 2964547
Weather strip
Black
Hd Dia: 3/8
Stem: 7/32 x 3/8
**PKG QTY: 25**

**A-11130**
GM, Ford, AMC
Hood Insulation
Black
Hd Dia: 2"
Stem: 5/16 x 1/2
**PKG QTY: 25**

**A-11146**
GM: 1605396
Chrysler: 6030441
Ford: 388577S
Black Nylon Retainer
Hd Dia: 11/16:
Stem: 5/16 x 13/16
**PKG QTY: 25**

**A-11351**
Ford: 385661-S
Chry: 6003349
VW: N989022
Door Trim Panel
Black
Hd Dia: 15/16
Stem: 5/16 x 11/16
**PKG QTY: 25**

**A-11612**
GM, Ford, AMC
Weather strip Retainer
Single Head, Black Nylon
Bottom Hd Diam:7/16"
Stem Diam: 3/16"
Stem Length: 5/8"
**PKG QTY: 50**

**A-11677**
GM: 20298365
Chry: 6013122
Trim Panel - Natural
Hd Dia: 9/16
Stem: 11/32 x 11/16
**PKG QTY: 50**

**A-11678**
Chry: 6003349
GM: 9685057
AMC: 4005470
VW: N98905101
Door Trim Panel, White
Hd Dia: 15/16
Stem: 5/16 x 11/16
**PKG QTY: 25**

**A-11680**
GM:25016383
Dash Panel
Black
Hd Dia: 3/8
Stem: 3/16 x 3/4
**PKG QTY: 50**

**A-11705**
Ford: 387843-S
Fender Shield
Retainer
**PKG QTY: 50**

**A-11796**
GM: 3065575
Trim Panel(White)
Hd Dia: 7/8
Stem: 5/16 x 3/4
**PKG QTY: 50**

**A-11797**
Ford: 387477-S
Interior Trim (White)
Hd Dia: 3/4
Stem:11/32 x 9/16
**PKG QTY: 50**

**A-12137**
GM: 1619321
Radiator Apron Panel
(Black)
Hd Dia: 1"
Stem: 7/16 x 13/16
**PKG QTY: 25**

**A-12565**
Ford: N801925S
Door TrimPanel (White)
Hd Dia: 25/32
Stem: 5/16 x 5/8
**PKG QTY: 25**

**A-12567**
GM: 14019205
Front Fender
Mud Skirt
Retainer
**PKG QTY: 25**

**A-12571**
Ford Fascia to Bumper
Retainer (Black)
Top Hd Dia: 1"
Stem Dia: 5/16"
Stem Length: 3/16"
**PKG QTY: 25**

**A-12737**
GM: 20374473
Door Panel (White)
Hd Dia: 3/4
Stem: 5/16 x 3/4
**PKG QTY: 50**

**A-12757**
GM: 56974300
Fascia Retainer
**PKG QTY: 15**

**A-12766**
GM: 22512276
Front End
Stone Shield,(Black)
Hd Dia: 7/8
Stem: 7/16 x 13/16
**PKG QTY: 25**

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# Push Retainers

**A-12909**
Ford: 388930-S
Trim Panel (Black)
Hd Dia: 1"
Stem: 9/32 x 1-1/16
**PKG QTY: 50**

**A-12992**
GM: 20421800
Door Trim Panel (White)
Bottom Hd Dia: 3/4 x 7/8
Top Hd Dia: 9/32 x 19/32
Stem: 5/16 x 3/4
**PKG QTY: 25**

**A-13467**
GM: 7642589
AMC: 4001 934
Firewall Insulations (Black)
Hd Dia: 1-1/4:
Stem: 5/16 x 1/2
**PKG QTY: 25**

**A-13945**
015553-S3500
White Nylon
Door Trim Panel Retainer
Nissan Trucks
**PKG QTY: 50**

**A-13993**
GM: 20510029
Body Push Retainer
**PKG QTY: 25**

**A-13994**
GM: 20570245
Spare Tire Retainer
**PKG QTY: 25**

**A-14011**
GM: 14019226
14071289
Radiator,Overflow Bottle
Windshield Washer
Bottle Retainer
**PKG QTY: 25**

**A-14012**
GM: 15506827
Air Deflector Rivet
**PKG QTY: 25**

**A-14020**
Ford: N802781-S
Splash Shield &
Fascia Retainer
**PKG QTY: 25**

**A-14021**
Ford: N803170-S
Fascia Retainer (Black)
Hd Dia: 7/16
Stem: 7/32 x 1/2
**PKG QTY: 25**

**A-14144**
GM: 95005064
Toyota: 67771-01010
Door Trim Panel (Black)
Hd Dia:18mm
Stem: 9.5mm x 14mm
**PKG QTY: 25**

**A-14147**
GM: 20547865
Body Retainer
**PKG QTY: 25**

**A-14260**
Toyota Push-Type Retainer
Screw Type - open end
Head Diameter: 15mm
Stem Length: 12mm
Drive Type: Phillps
Hole Size: 7mm
**PKG QTY: 15**

**A-14267**
Toyota Push-Type Retainer
Screw Type - open end
Head Diameter: 15mm
Stem Length: 12mm
Drive Type: Phillips
Hole Size: 7mm
**PKG QTY: 25**

**A-14369**
Mazda Push-Type Retainer
Screw Type - open end
Head Diameter: 20mm
Stem Length: 9mm
Drive Type: Phillips
Hole Size: 6mm
**PKG QTY: 15**

**A-14697**
GM: 94198687;
Honda: 90657-SA6-0030
Mazda: N304-13-356-A
Nylon Push-Type Retainer
Head Dia: 14mm Stem
Length: 11mm
Fits Into 7mm Hole
**PKG QTY: 25**

**A-14698**
90688-SB0-003
Nylon
Push-Type Retainer
Head Dia: 18mm
Stem Length: 11mm
Fits Into 6 mm Hole
**PKG QTY: 25**

**A-14757**
Nissan: 01553-00172;
Toyota: 90467-07050
Nylon Retaining Clip
Head Dia: 13mm
Fits Into 5mm Hole
Panel Thickness: 3mm
**PKG QTY: 25**

**A-14753**
Push-Type Retainer
Screw Type - open end
Head Diameter: 20mm
Stem Length: 9mm
Drive Type: Phillips
Hole Size: 6mm
**PKG QTY: 25**

**A-14737**
Nissan: 01553-00172;
Toyota: 90467-07050
Nylon Retaining Clip
Head Dia: 13mm
Fits Into 5mm Hole
Panel Thickness: 3mm
**PKG QTY: 25**

**A-14947**
Nissan: 01553-00172;
Toyota: 90467-07050
Nylon Retaining Clip
Head Dia: 13mm
Fits Into 5mm Hole
Panel Thickness: 3mm
**PKG QTY: 25**

**A-14993**
GM: 22538004
Black Nylon
Push-Type Retainer
Hole Dia: .250"
Panel Range: .100-.197"
Flange Dia: .700"
Stem Length: .900"
**PKG QTY: 25**

**A-14994**
Ford: N804837S
Black Nylon
Push-Type Retainer
Hole Dia: .250"
Panel Range: .100-.240"
Flange Dia: 1.000"
Stem Length: .900"
**PKG QTY: 50**

# Push Retainers

**A-15367**
GM: 20514862
Screen Shroud
Vent Grille to Panel (Black)
Hd Dia: 19/32
Stem: 7/32 x 3/4
**PKG QTY: 50**

**A-15480**
Ford Trim Panel & Hood
Insulation Retainer
Single Head, Black
Stem Dia. 8mm
Stem Length: 20mm
**PKG QTY: 50**

**A-15668**
Ford X-Mas Tree Retainer
Single Head, Black
Bottom Head Dia.:1-3/4"
Top Head Dia: None
Stem Dia.: 9/32
Stem Length: 1"
**PKG QTY: 25**

**A-15670**
GM Trim Panel Retainer
Triple Head, White Nylon
Bottom Head Dia.:1/2"
Top Head Dia: 1/4 x 29/64"
Stem Dia.: 5/16"
Stem Length: 3/4"
**PKG QTY: 50**

**A-15970**
GM Trim Panel Retainer
Triple Head, White Nylon
Bottom Hd Dia.:9/16 "x11/16"
Top Head Dia: 9/32 x 1/2"
Stem Dia.: 5/16"
Stem Length: 3/4"
**PKG QTY: 25**

**A-16000**
Honda: 90675-SB3-003;
Mazda: FB01-56-964;
Nissan: 63876-95596
Black Nylon Push Retainer
Head Dia: 20mm
Stem Length: 9mm
Fits Into 8mm Hole
**PKG QTY: 25**

**A-16017**
GM Truck Trim Panel Retainer
Double Head, White Nylon
Bottom Hd Dia.: 3/4"
Top Head Dia: 1/2"
Stem Dia.: 5/16"
Stem Length: 1"
**PKG QTY: 25**

**A-16237**
Screw Size : 8-32
Head Diameter : 0.438"
Overall Length : 0.499"
Shank Length : 0.447"
Shank Diameter : 0.312"
Head Thickness : 0.052"
Hole Size : 5/16"
Grip Range : 0.015-0.156"
Material : Neoprene
Includes : Captive Brass Nut
**PKG QTY: 25**

**A-16782**
Honda: 91545-SE0-0030-W
Nissan: 63848-01-G00
Nylon Push Retainer
Head Dia: 20mm
Stem Length: 14mm
Fits into 8mm Hole
**PKG QTY: 25**

**A-16835**
GM: 10140480; Chry: 6502625
Nylon Rear Bumper
Fascia Retainer
Head Dia: 21mm (27/32")
Panel Range: 3mm (1/8")
Stem Length: 25mm (1")
Fits Into 12mm (1/2" Hole)
APV Vans 1990-on
**PKG QTY: 25**

**A-16858**
Nissan: 63844-01A00;
Ford: MNA01-56145;
NA01-56145
Inner Fender Shield Retainer
Head Dia: 20mm (25/32')
Stem Length: 18mm (25/32')
Fits into 8mm (5/16') Hole
Nissan 1980 - on
Ford Probe & Aspire 1995-on
**PKG QTY: 25**

**A-17057**
90505-SM4-003
Nylon push-type Retainer
Head Dia: 18mm
Stem Length: 21mm
Fits into 8mm hole
Accord 1990 - on
**PKG QTY: 10**

**A-17102**
Double Head Trim
Panel Retainer
Color: White
Bottom Head Dia: 3/4"
Top Head Diameter 1/2"
Stem Dia.: 5/16" Length: 1"
**PKG QTY: 50**

**A-17103**
GM & Ford Fascia Retainer
Push-Type with Closed End
Head Diameter: 15mm
Stem Length: 23mm
Hole Size: 6mm
Color: Black
**PKG QTY: 50**

**A-17143**
91502-SM4-0000
Nylon Push Type Retainer
Head Dia: 20mm
Stem Length: 27mm
Fits into 10mm hole
Bumper Fascia
Accord 1990 - on
**PKG QTY: 10**

**A-17144**
91504-SM4-0000
Nylon push-type Retainer
Head Dia: 20mm
Stem Length: 24mm
Fits into 10mm hole
Bumper Fascia
Accord 1990 - on
**PKG QTY: 10**

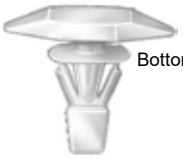
**A-17205**
91501-SM4-003
Nylon Cowl Top Retaining Clip
Head Dia: 14mm
Stem Length: 15mm
Fits into 6mm Hole
Accord 1990 - on
**PKG QTY: 15**

**A-17216**
Air Baffle to Under
Carriage Retainer
Push Type with Closed End
Head Diameter: 20mm
Stem Length: 20mm
Hose Size: 8mm
Color: Black
**PKG QTY: 25**

**A-17339**
Weather strip Retainer
Double Head
Bottom Head Dia: 5 x 15M
Stem Diameter: 4mm
Stem Length: 12MM
Material: Nylon, Black
**PKG QTY: 25**

**A-17379**
91512-SM4-003
Nylon Fender Splash Shield
Push-Type Retainer
Head Dia: 20mm
Stem Length: 9mm
Fits into 8mm hole
Accord 1990 - on
**PKG QTY: 10**

**A-18030**
Push Type Retainer
Closed End
Head Diameter: 11/16"
Stem Length: 13/16"
Hose Size: 1/4"
Color: Black
**PKG QTY: 25**



**A-18033**
Weather strip Retainer
Double Head
Bottom Head Dia: 1/4" x 21/32"
Stem Diameter: 1/4
Stem Length: 15/32"
Material: Nylon,
Color: White
**PKG QTY: 50**

AUTOMTIVE

# Push Retainers

**A-18269**
Lower Sill Molding Push Retainer
Double Head
Bottom Head Dia: 1/4" x 21/32"
Stem Diameter: 1/4
Stem Length: 15/32"
Material: Nylon,
Color: Black
**PKG QTY: 15**

**A-18310**
Rear Bumper Fascia Retainer
Push Type with Closed End
Head Diameter: 1"
Stem Length: 15/16"
Hole Size: 3/8"
Color: Black
**PKG QTY: 25**

**A-18353**
GM Push-Type Retainer
Double Head
Diameter: 9/16"
Stem Length: 41/64"
Hose Size: 1/4"
Color: White
**PKG QTY: 25**

**A-18848**
Ford Door Trim Panel
Retainer Double Head
Color: Yellow
Bottom Hd Diameter: 3/4"
Top Head Diameter: 1/2"
Stem Diameter: 3/8"
Stem Length: 11/16"
**PKG QTY: 25**

**A-19145**
91560-SP0-003
Gray Nylon
Front & Rear Door
Trim Panel Retainer
Small Head Dia: 13mm
Large Head Dia: 17mm
Stem Dia: 9mm
Stem Length: 12mm
Acura Integra & Legend,
Honda Accord, Civic
Prelude, Odyssey & Del Sol
1991-on
**PKG QTY: 25**

**A-19244**
Trunk TrimPanel Push Type Retainer
Push-Type with Closed End
Head Diameter: 1"
Stem Length: 11/16"
Hole Size: 1/4" x 1/4"
Color: Black
**PKG QTY: 25**

**A-19386**
Chrysler Door Trim Panel
Retainer Triple Head
Bottom Head Diam: 20mm
Top Head Diameter: 15mm
Stem Length: 15mm
Stem Diameter: 9mm
Material: Nylon
**PKG QTY: 25**

**A-19422**
Chrysler Fascia
Push-Type Retainer
Stem Length: 29/32"
Head Diameter: 23/32"
Hole Size: 5/16"
**PKG QTY: 25**

**A-19541**
Hood Insulation Retainer
Retainer, Single Head
Bottom Head Diam: 1"
Stem Diameter: 9/32"
Stem Length: 5/8"
Black Nylon
**PKG QTY: 50**

**A-19655**
Nylon Hood Insulation Retainer
Type: Single Head
Head Diam: 1-3/16"
Stem Length: 3/4"
Stem Diam: 3/8"
**PKG QTY: 25**

**A-19801**
Wheel Opening Moulding Retainer
Push Type with Closed End
Head Diameter: 19/32"
Stem Length: 3/4"
Hole Size: 1/4"
**PKG QTY: 25**

**A-19850**
Weather strip Retainer
Type: Double Head
Bottom Hd Diam: 5X15M
Stem Diameter: 5MM
Stem Length:
**PKG QTY: 25**

**A-20191**
Push Type Retainer
Screw Type w/Closed End
Head Diam: 16MM
Stem Length: 18MM
Hole Size: 6MM
**PKG QTY: 25**

**A-20349**
Bumper Clip, Black
Push-Type with Drive Pin
Head Diameter: 18MM
Stem Length: 12MM
Hole Size: 8MM
**PKG QTY: 15**

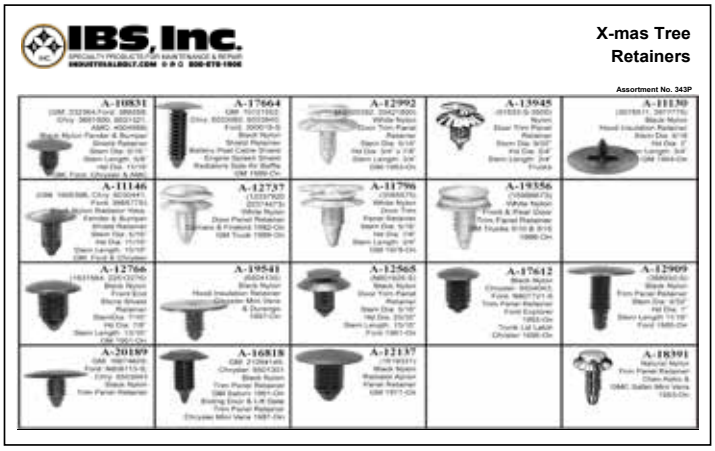
**A-20923**
Cowl Vent Push-Type Retainer
Screw Type with Closed End
Head Diameter: 11/16"
Stem Length: 7/8"
Phillips Drive , 1/4" Hole
Black
**PKG QTY: 15**

**A-21173**
Bumper & Splash Shield Retainer
Push-Type with Drive Pin
Head Diameter: 20MM
Stem Length: 16MM
Hole Size: 10MM
Black, Includes Metal Insert
**PKG QTY: 10**

**A-21241**
Rocker, Pillar & Fender Liner
Retainer, Single Head
Bottom Head Diam: 26MM
Stem Diameter: 7.5MM
Stem Length: 28MM
Black Nylon
**PKG QTY: 50**

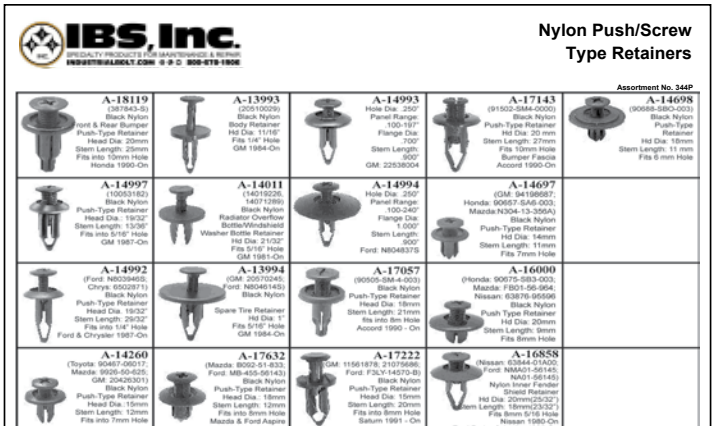
## X-Mas Tree Retainers Assortment

**IBS. No. 343P • 18 Items • 330 Pieces**
**Arranged and labeled in a 20 hole steel drawer**



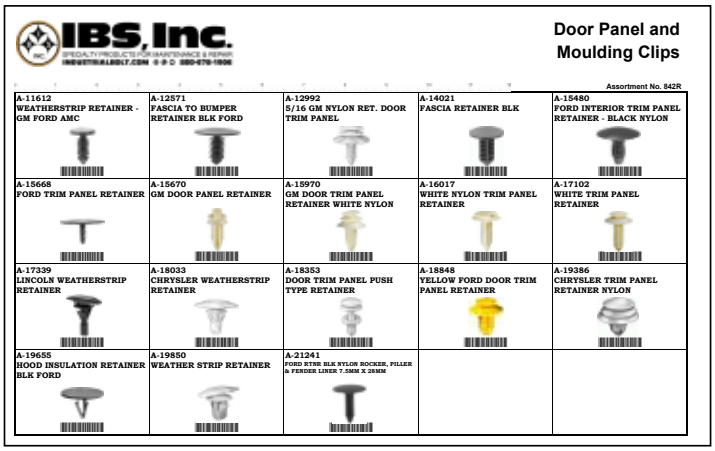

## Nylon Push/Screw Type Retainers Assortment

**IBS. No. 344P • 17 Items • 155 Pieces**
**Arranged and labeled in a 20 hole steel drawer**



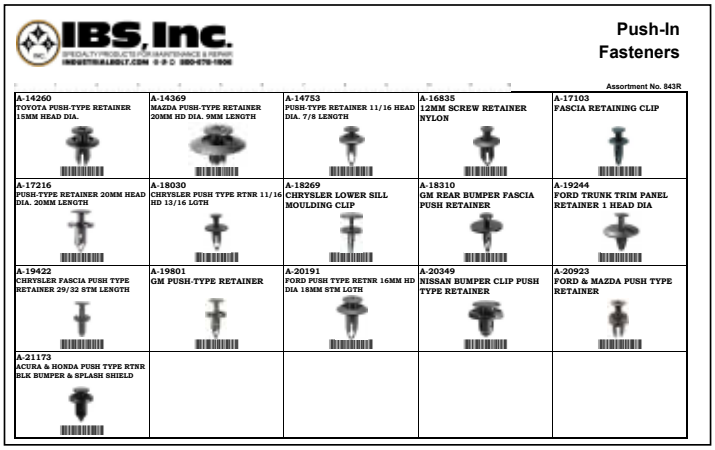

## Door Panel & Moulding Clips

**IBS. No. 842R • 18 Items • 315 Pieces**
**Arranged and labeled in a 20 hole steel drawer**




## Push-In Fasteners Assortment

**IBS. No. 843R • 16 Items • 135 Pieces**
**Arranged and labeled in a 20 hole steel drawer**



# Screw Grommets & Nuts

AUTOMOTIVE

| | | |
|---|---|---|
| **A-8242**<br>Chrysler: 6023925<br>Nylon<br>1/4" (#14) Screw Size<br>License Plate Nut<br>**PKG QTY: 50** | **A-9862**<br>Ford: 379830-S<br>Headlight Door, Grille<br>& Mirror Nut<br>Screw size: #8 / #10<br>**PKG QTY: 50** | **A-13933**<br>General Motors<br>Grille Nut<br>Screw size:<br>#8 / #10<br>**PKG QTY: 50** |
| | **A-14220**<br>GM: 25525798<br>Grille Retaining Nut<br>Screw size:<br>#6 / #8<br>**PKG QTY: 50** | |
| | | |
| | | |
| | | |
| | | |
| | | |

# Automotive Rivets

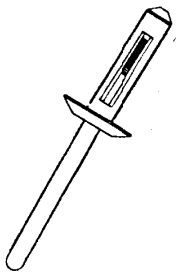
**A-11620**
GM: 9436175
Ford: 385189-5100
Chry: 6031115
Peel-type rivet,
1/4 Dia.
Grip 1/32 - 9/64
**PKG QTY: 25**

**A-11621**
Ford: 385323-S100
Chry: 6031091
Peel-Type Rivet;
1/4 Dia.
Grip 33/64 - 19-32
**PKG QTY: 10**

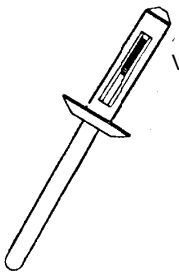
**A-12653**
Ford: 388047-S102
Peel Type Rivet
1/4 Dia.
Grip: 3/32 - 1/8
**PKG QTY: 25**

**A-12655**
GM: 9437468
Peel Type Rivet
1/4 Dia.
Grip: 9/64 - 3/16
**PKG QTY: 25**

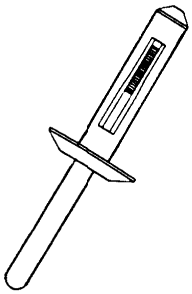
**A-12658**
GM: 20184399
Ford: 389268-S100
Peel Type Rivet
1/4 Dia.
Grip: 11/16 - 3/4
**PKG QTY: 25**



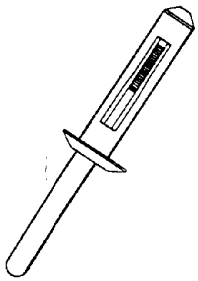
**A-13747**
GM: 20423647
AMC: 4007325
Auto Blind Rivet
1/16 - 11/64
**PKG QTY: 25**



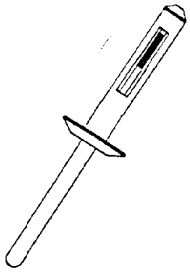
**A-13748**
GM: 20432975
VW: 175-853-57701C
Auto Blind Rivet
13/64 Hole Dia.
Grip: 1/8 - 5/32
**PKG QTY: 25**



**A-13750**
GM: 14063981
Ford: N803043S
Chry: 6500911
Auto Blind Rivet
1/4 Hole Dia.
Grip 5/32 - 13/32
**PKG QTY: 25**



**A-13751**
GM: 20452072
Ford: N83862
Auto Blind Rivet
1/4 Hole Dia.
Grip 5/32 - 13/32
**PKG QTY: 25**



**A-13755**
Chry: 6500898
Auto Blind Rivet
13/64 Hole Dia.
Grip 15/64 - 25/64
**PKG QTY: 25**

# Body Hardware

**A-8847**
380575-S2
Black Parkerized
5/16-18 x 1-1/4
Hex Head Sems®
with Dog Point
7/8: Washer O.D.
1/2" Hex
Ford
**PKG QTY: 50**

**A-12065**
115503834, 20351035
Phosphate
M6-1.0 x 25mm
Hex Head Sems®
Class 9.8; 10mm Hex
17mm (21/32") Washer O.D.
GM
**PKG QTY: 50**

**A-12339**
11500996, 11505023
Phosphate
M6.3-1.81 x 25mm
(#14 x 1")
Hex Head Sems®
17mm (21/32") Washer O.D.
10mm Hex
GM
**PKG QTY: 50**

**A-13613**
Phosphate
M8-1.25 x 25mm
Hex Head Sems®
Class 9.8, 13mm Hex
24mm (15/16") Washer O.D.
**PKG QTY: 25**

**A-15818**
6100568
Phosphate
M6-1.0 x 30mm
Hex Head Sems®
with Dog Point
Class 9.8, 10mm Hex
19mm (3/4") Washer O.D.
Chrysler
**PKG QTY: 50**

**A-16828**
Zinc & Yellow Dichromate
M6.3-1.81 x 20mm
(#14 x 25/32")
Hex Head Sems®
18mm (45/64")
Washer O.D.
10mm Hex
Honda, Nissan & Toyota
**PKG QTY: 25**

**A-11641**
015501193
Phosphate
M10-1.50 x 40mm
Class 9.8
15mm Hex
29mm (1-5/32") Washer O.D.
GM
**PKG QTY: 25**

**A-12160**
N-606676-S2, S100
Phosphate
M6-1.0 x 22mm
High Hex Head Sems®
with Dog Point
Class 9.8; 8mm Hex
19mm (3/4") Washer O.D.
Ford
**PKG QTY: 25**

**A-12693**
11502941; 11560174
Phosphate
M6-1.0 x 20mm
Hex Head Sems®
Class 9.8
17mm (21/32")
Washer O.D.
10mm Hex
GM
**PKG QTY: 25**

**A-15373**
11503892;11500434
M4.2-1.41 x 20
(#8 x 25/32")
Hex Head Sems®
16mm (5/8") Washer O.D.
7mm Hex; GM
**PKG QTY: 50**

**A-16589**
Zinc & Yellow
Dichromate
#10 x 3/4 (19mm)
Indented
Hex Head Sems®
Washer O.D.: 19/32"
5/16" (8mm) Hex
Honda, Nissan, Toyota
**PKG QTY: 50**

**A-12060**
11501884
Black Oxide
M4.2-1.41 x 20mm
(#8 x 25/32")
Phillips Washer Head
11mm (7/16") Washer O.D.
GM
**PKG QTY: 100**

**A-12336**
11503632
Black Polyseal
M8-1.25 x 25mm
Hex Washer Head
Class 9.8
13mm Hex (No Sems®)
17mm (21/32")
Washer Head O.D.
GM
**PKG QTY: 25**

**A-13619**
Phosphate
M10-1.50 x 30mm
Hex Head Sems®
Class 9.8
29mm (1-1/8") Washer O.D.
15mm Hex
**PKG QTY: 10**

**A-15780**
N606690-S2
Phosphate
M8-1.25 x 33mm
Hex Head Sems®
with Dog Point
Class 9.8
10mm Hex
22mm (7/8") Washer O.D.
Ford
**PKG QTY: 50**

**A-16893**
N800947-S, AB-181-GG
Phosphate
M6-1.0 x 28mm
Hex Head Sems®
with Dog Point
Class 9.8
25mm (1")
Washer O.D.
8mm Hex
Ford
**PKG QTY: 25**

## Phillips Pan Head Tapping Screws - Black Oxide (X05)

| Length | Diameter | | | Length |
|---|---|---|---|---|
| | #6 | #8 | #10 | |
| 3/8 | A-16889 | | | 3/8 |
| 1/2 | A-11917 | A-10180 | A-11921 | 1/2 |
| 3/4 | A-11918 | A-10181 | A-11922 | 3/4 |
| 1 | A-11919 | A-10182 | A-11923 | 1 |
| 1-1/4 | | A-10183 | A-11924 | 1-1/4 |
| 1-1/2 | | | A-12800 | 1-1/2 |
| Pkg Qty | 100 | 100 | 100 | Pkg Qty |

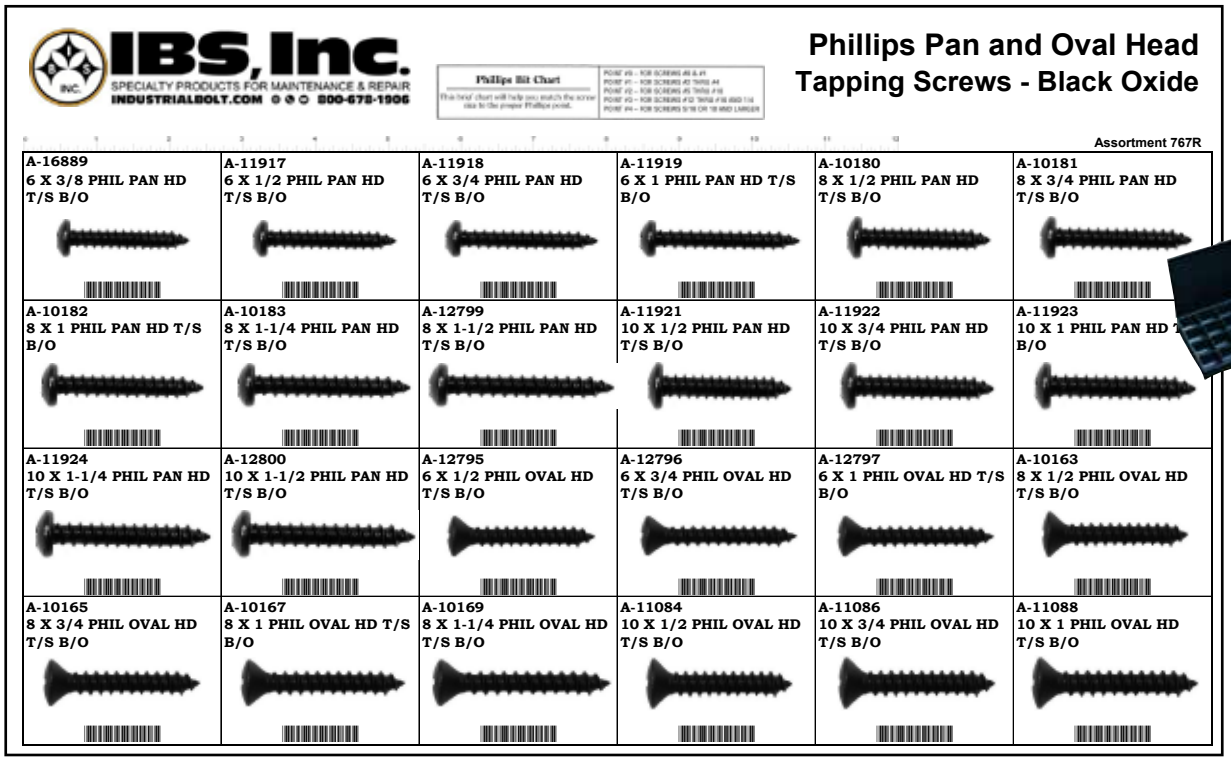
## Phillips Oval Head Tapping Screws - Black Oxide (X05)

| Length | Diameter | | | Length |
|---|---|---|---|---|
| | #6 | #8 | #10 | |
| 1/2 | A-12795 | A-10163 | A-11084 | 1/2 |
| 3/4 | A-12796 | A-10165 | A-11086 | 3/4 |
| 1 | A-12797 | A-10167 | A-11088 | 1 |
| 1-1/4 | | A-10169 | | 1-1/4 |
| Pkg Qty | 100 | 100 | 100 | Pkg Qty |

## Phil Pan & Oval Head T/S - Black Oxide Assortment

**IBS No. 767R • 24 Items — 1100 Pieces**

**Packaged in a locking steel drawer for easy storage & organization.**



AUTOMOTIVE

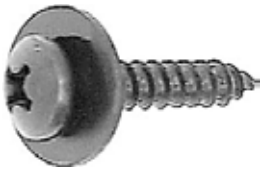
## Phillips Flat Top Washer Head T/S - Black Oxide (X05)

| Length | Diameter #8 | Diameter #10 | Washer Head Dia. | Length |
|---|---|---|---|---|
| 1/2 | A-12213 | | 13/32" | 1/2 |
| 3/4 | A-12215 | A-12953 | 13/32" | 3/4 |
| 1 | A-12216 | A-12954 | 13/32" | 1 |
| Pkg Qty | 100 | 50 | | Pkg Qty |

## Phillips Oval Hd SEMS Flush Washer T/S - Black Oxide (X05)

| Length | Diameter #8 | Head Diam. | Length |
|---|---|---|---|
| 1-1/4 | A-10654 | #6 | 1-1/4 |
| Pkg Qty | 100 | | Pkg Qty |

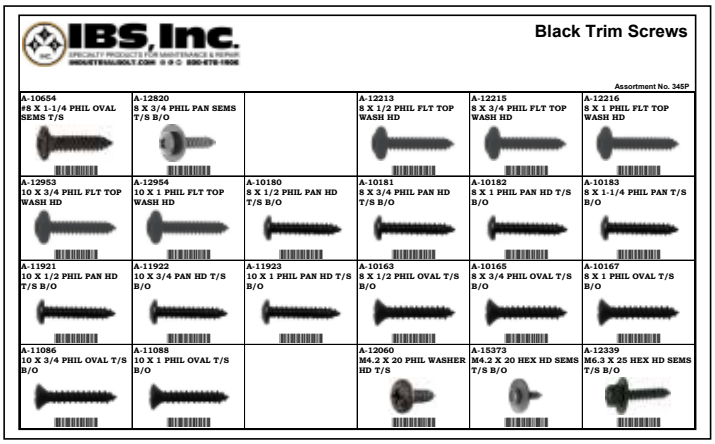
## Phillips Pan Head SEMS T/S - Black Oxide (X05)



| Length | Diameter #8 | Washer Head Dia. | Length |
|---|---|---|---|
| 3/4 | A-12820 | 1/2" | 3/4 |
| Pkg Qty | 50 | | Pkg Qty |

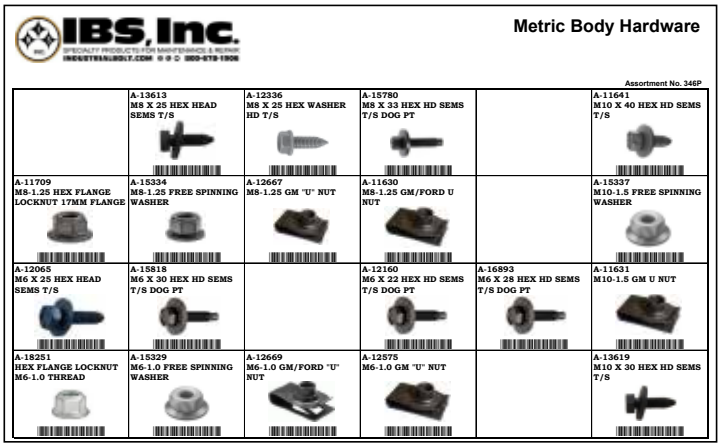
## Black Trim Screws Assortment

**IBS. No. 345P • 22 Items • 950 Pieces**
**Arranged and labeled in a locking steel drawer for easy storage & organization.**




## Metric Body Hardware Assortment

**IBS. No. 346P • 19 Items • 215 Pieces**
**Arranged and labeled in a locking steel drawer for easy storage & organization.**



# Oil Drain Plugs

## A-8285
Oversize Oil Pan Drain
Plug with Fibre Gasket
Zinc & Yellow Self-Tapping
Thread 5/8-18 / Single Oversize
**PKG QTY: 5**

## A-14196
Plain / Thread 1/2-20 / Hex: 7/8"
Length Under Head: 1/2"
Fits the following applications
**AMC:** 6 & 8 Cyl. All 64-On
**Buick:** 4,6 & 8 Cyl. All [Exc. 2.5 (151), 3.0, 4.3, 4.9 (301 Eng.] 59-On
**Cadillac:** 6 & 8 Cyl. All [Exc. 4.1 Eng] 66-On
**Chevrolet (Includes Light Truck)**
4,6 & 8 Cyl. All [Exc. 1.8 (diesel), 2.5 (151), 4.3 (diesel) Eng.] 28-On
**Chrysler Corp.:** 6 & 8 Cyl. All 62-On
**Ford Motor Co.**
4,6,* Cyl. All [Exc. 98, 122, 140, 171 Eng] 57-On
**GMC (Light Truck):** 6 & 8 Cyl. all 39-On
**Oldsmobile**
4,6 & 8 Cyl. All [Exc. 2.5 (151), 3.0, 4.3, (diesel) 4.3S, 4.9T (301) ] 61-On
**Pontiac**
4,6 & 8 Cyl. All [Exc. 1.8 (diesel), 2.5 (151), 4.3 (diesel), 4.3S, 4.9T (301)] 60-On
**PKG QTY: 10**

## A-14677
Zinc / Thread M12-1.75, Hex: 15mm
Length Under Head: M12-1.75
Fits the following applications
**AMC:** 4 Cyl. 151 Eng. 83-81
**Buick**: 4 Cyl 151 (2.5) eng (80-On)
6 Cyl. 3.0, 4.3 (Diesel) Eng. 82-On
8 Cyl. 4.3, 4.9 Eng. 81-77
**Cadillac:** 8 Cyl. 4.1 Eng. 82-On
**Chevrolet:** 4 Cyl. 151 (2.5) Eng 78-On
6 Cyl. 4.3 (Diesel) Eng. 82-On
**Oldsmobile:** 4 Cyl. 151 (2.5) Eng. 78-On
6 Cyl. 3.0, 4.3 (Diesel) Eng. 82-On
8 Cyl. 4.3S, 4.9T (301) Eng. 80-79
**Pontiac:** 4 Cyl. 151 (2.5) Eng. 77-On
6 Cyl. 4.3 (Diesel) Eng 82-On
8 Cyl. 4.3S, 4.9T (301) Eng. 81-77
**PKG QTY: 5**

## A-14678
Plain Thread M14-1.5 / Hex: 16mm
Length Under / Head: 20mm
Fits the following M14-1.5 applications
**AMC:** 4 Cyl. VW 121 Eng. 79-77
**Chevrolet :** 4 Cyl. 1.8 (Diesel) Eng 81-On
**Chrysler Corp.** Imports: 4 Cyl. All 78-On
4 Cyl. K & W Engines
(built after 10-81) 82
**Ford Motor Co.:** 4 & 6 cyl 98, 122, 140, 171 Eng. / 73-On
**Honda'** 4 Cyl. Prelude 83-On
**Mazda;** 4 Cyl. 72-On
**Pontiac;** 4 Cyl. 1.8 (Diesel) 83-On
Volkswagen; 4 Cyl. All (Water Cooled Engine) / 74-On
**PKG QTY: 5**

## A-15527
Zinc / Thread M12-1.25 /
Hex: 14mm /
Length Under Head: 11mm
Fits the following M12-1.25 applications:
**Nissan**
Sentra, Stanza & Pulsar w/FWD 82-On
**PKG QTY: 5**

## A-15528
Zinc / Thread / M16.4-1.33 O.S.
Hex: 19mm / Length Under Head: 13mm
Fits the following M1 .4 O.S. applications:
**Nissan**
Sentra, Stanza & Pulsar w/FWD 62-On
**Renault:** Fuego & LeCar 80-On
**PKG QTY: 5**

## A-15529
Zinc / Thread M18-1.5
Hex: 19mm
Length Under Head: 12mm
Fits the following M18 .5 applications:
**Chrysler: All imports 70-On**
**Renault: LeCar 79-76**
**Toyota: All 75-On**
**PKG QTY: 5**

## A-16308
Zinc / Thread M14-1.5 / Hex: 16mm
Length Under Head: 11mm
Fits the following M14-1.5 applications:
Chrysler Imports 83-On / Honda 83-On
Isuzu 87-On / Mazda 72-On / Spectrum 88-On
Sprint 88-On / VW Audi 74-On
**PKG QTY: 5**

## A-17145
Zinc Plated / Type 1
Thread 1/2-20 / Single Oversize
Hex: 3/4" /
Length Under Head: 13/16"
**PKG QTY: 2**

## A-18024
Zinc / Thread M14-1.25
Hex: 13mm
Length Under Head: 16mm
Fits the following applications:
**Jeep**
**PKG QTY: 5**

## A-18121
Oversize Oil Pan
Drain Plug
with Fibre Gasket
Zinc & Yellow
Self-Tapping
Thread 1/2-20
Double Oversize
**PKG QTY: 5**

## A-19130
(3921988)
Plain
Thread 1/2-20
Hex: 9/16"
Length Under Head: 13/16"
Fits the following applications
**Buick**
4,6 & 8 Cyl. All [Exc. 2.5 (151), 3.0, 4.3, 4.9 (301 Eng.] 59-On
**Cadillac**
6 & 8 Cyl. All [Exc. 4.1 Eng] 66-On
**Chevrolet (Includes GMC Light Truck)**
4,6 & 8 Cyl. All [Exc. 1.8 (diesel), 2/5 (151), 4.3 (diesel) Eng.] 28-On
**Oldsmobile**
4,6 & 8 Cyl. All [Exc. 2.5 (151), 3.0, 4.3, (diesel) 4.3S, 4.9T (301) ] 61-On
**Pontiac**
4,6 & 8 Cyl. All [Exc. 1.8 (diesel), 2.5 (151), 4.3 (diesel), 4.3S, 4.9T (301)] 60-On
**PKG QTY: 15**

AUTOMOTIVE

AUTOMOTIVE

# Drain Plug Gaskets

## OIL DRAIN PLUG GASKETS

| IBS No. | I.D. | O.D | Thickness | Type | Qty |
|---|---|---|---|---|---|
| A-19538 | 1/2 | 3/4 | 5/64 | Black Fibre | 50 |
| A-8277 | 1/2 | 3/4 | 3/32 | Nylon | 25 |
| D-095-001 | 1/2 | 3/4 | 3/32 | Copper | 25 |
| A-15918 | 1/2 | 7/8 | 1/16 | Copper | 25 |
| A-16996 | 1/2 | 15/16 | 1/16 | Nylon | 25 |
| D-095-002 | 5/8 | 1 | 3/32 | Copper | 25 |
| A-8278 | 5/8 | 1 | 3/32 | Nylon | 25 |
| D-097-010 | 9/16 | 13/16 | 3/32 | Nylon | 25 |
| A-15919 | 9/16 | 13/16 | 3/32 | Copper | 25 |
| A-8279 | 3/4 | 1-1/16 | 3/32 | Nylon | 25 |
| A-16680 | 12mm | 22mm | 1.5mm | Nylon | 50 |
| A-18726 | 12mm | 22mm | 2mm | Black Fibre | 50 |
| A-16956 | 14mm | 22mm | 2mm | Aluminum | 50 |
| A-16681 | 14mm | 24mm | 1.5mm | Nylon | 50 |
| A-18828 | 14mm | 24mm | 1.5mm | Green Fibre | 25 |
| A-16682 | 14mm | 24mm | 2mm | Black Fibre | 50 |
| A-16683 | 16.5mm | 27mm | 1.5mm | Nylon | 50 |
| A-16955 | 18mm | 25.5mm | 2mm | Aluminum | 50 |
| A-18829 | 18mm | 29mm | 1.5mm | Green Fibre | 25 |
| A-19139 | 20mm | 26mm | 2mm | Steel | 10 |
| On vehicles equipped with aluminum gaskets, a new aluminum gasket must be installed at each oil change | | | | | |

## OIL DRAIN PLUG CRUSHABLE GASKETS

| | | | | | |
|---|---|---|---|---|---|
| A-19545 | 1/2 | 3/4 | 5/64 | Copper | 10 |
| A-19319 | 12mm | 17mm | 2mm | Steel | 15 |
| A-19007 | 14mm | 19mm | 2mm | Steel | 10 |
| A-17263 | 16mm | 22mm | 2mm | Copper | 10 |
| A-17264 | 18mm | 24mm | 2mm | Copper | 10 |

## STEEL WITH RUBBER SEAL OIL DRAIN PLUG GASKETS

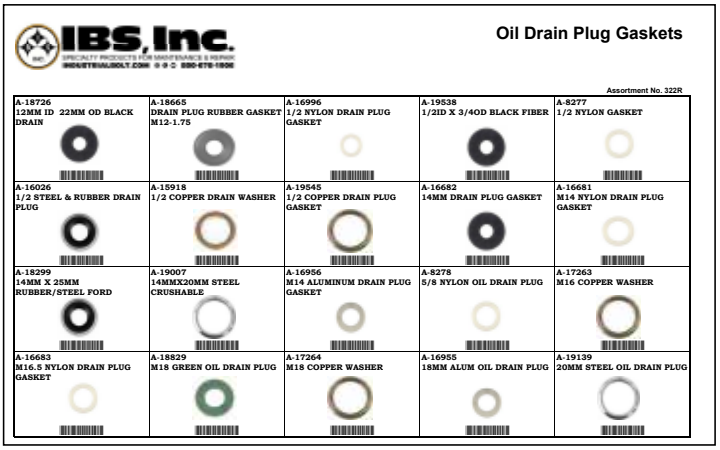
| | | | | | |
|---|---|---|---|---|---|
| A-16026 | 1/2 | 1" | 3/64 | Rubber/Steel | 5 |
| A-18299 | 14mm | 25mm | 1mm | Rubber/Steel | 10 |

## Automotive Drain Plugs

**IBS No. 321R • 12 Items • 72 Pieces**
**Arranged and labeled in a locking steel drawer for easy storage & organization.**

## Automotive Drain Plug Gaskets

**IBS No. 322R • 20 Items • 260 Pieces**
**Arranged and labeled in a locking steel drawer for easy storage & organization.**

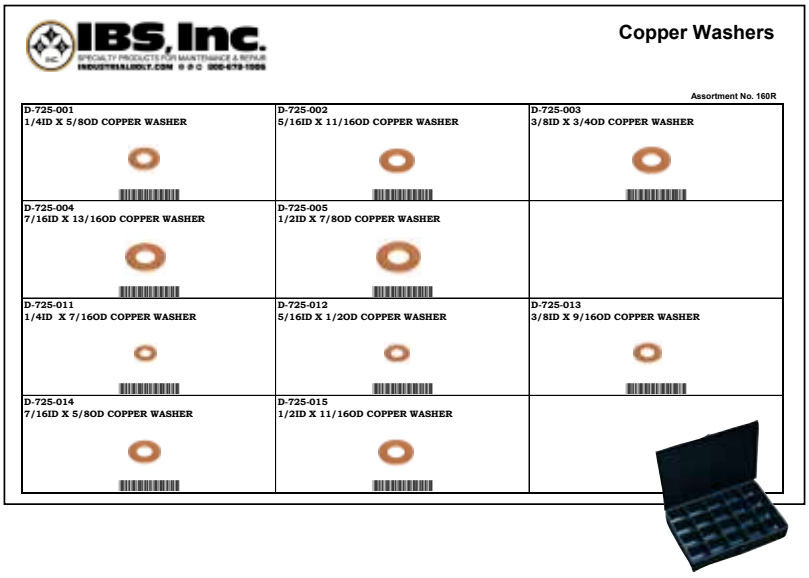



## Copper Washers

| IBS No. | I.D. | O.D. | Thick | Qty |
|---|---|---|---|---|
| D-725-001 | 1/4" | 5/8" | 1/16" | 50 |
| D-725-002 | 5/16" | 11/16" | 1/16" | 50 |
| D-725-003 | 3/8" | 3/4" | 1/16" | 50 |
| D-725-004 | 7/16" | 13/16" | 1/16" | 50 |
| D-725-005 | 1/2" | 7/8" | 1/16" | 50 |
| D-725-011 | 1/4" | 7/16" | 1/32" | 50 |
| D-725-012 | 5/16" | 1/2" | 1/32" | 50 |
| D-725-013 | 3/8" | 9/16" | 1/32" | 50 |
| D-725-014 | 7/16" | 5/8" | 1/32" | 50 |
| D-725-015 | 1/2" | 11/16" | 1/32" | 50 |

## Copper Washer Assortment (Z02)

**IBS No. 160R • 10 Items - 250 Pieces**
**Arranged and labeled in a locking steel drawer for easy storage & organization.**



AUTOMOTIVE

## Special Nuts

**A-2422**
"U" Nuts
#10 Screw Size
**PKG QTY: 100**

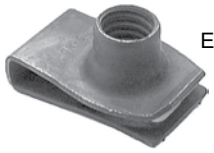
**A-2611**
Tubular Nut
#12 Tapping Screw
**PKG QTY: 100**

**A-9298**
Pushnut Bolt Retainer
Bolt Dia: 7/16"
O.D.: 27/32"
**PKG QTY: 100**

**A-9879**
"U" Nut
#8 Screw Size
**PKG QTY: 100**

**A-10050**
Extruded (Foldover)
"U" Nut
1/4-20 Screw;
19/32 Edge to Center of Hole
**PKG QTY: 25**

**A-10051**
Extruded
(Foldover)
"U" Nut
1/4-20 Screw
25/32 Edge to Center of Hole
**PKG QTY: 50**



**A-10053**
Extruded (Foldover)
"U" Nut
5/16-18 Screw
9/16 Edge to
Center of Hole
**PKG QTY: 50**

**A-10055**
Extruded
(Foldover)
"U" Nut
3/8-16 Screw
1-1/8 Edge to Center of Hole
PKG QTY: 25

**A-10064**
Extruded (Foldover)
"U" Nut
#6 Screw Size
**PKG QTY: 50**

**A-10073**
Tubular Nut
3/16 Stud
7/32 Hole
**PKG QTY: 100**

**A-11630**
Extruded
(Foldover)
"U" Nut
M10 - 1.25 Screw Size
**PKG QTY: 25**

**A-11631**
Extruded
(Foldover)
"U" Nut
M10 - 1.50 Screw Size
**PKG QTY: 25**

**A-11864**
Extruded (Foldover)
"U"-Nut
M6-1.0 Screw Size
GM
**PKG QTY: 50**

**A-12575**
Extruded
(Foldover)
"U" Nut
M6 - 1.0 Screw Size
**PKG QTY: 25**

**A-12667**
Extruded
(Foldover)
"U" Nut
M8 - 1.25 Screw Size
**PKG QTY: 25**

**A-12669**
Extruded
(Foldover)
"U" Nut
M6 - 1.0 Screw Size
**PKG QTY: 25**

## Metric Washer & Flange Lock Nuts

**METRIC FREE SPINNING WASHER NUTS**

| IBS No. | Thread Size | Type | Washer O.D. | Hex Size | Height | Plating | OEM No. | Pkg Qty. |
|---|---|---|---|---|---|---|---|---|
| **15329** | M6-1.0 | B | 18mm | 10mm | 9mm | Phosphate | 6100048 | **50** |
| **15333** | M8-1.25 | B | 18mm | 13mm | 10mm | Phosphate | 6100050 | **50** |
| **15334** | M8-1.25 | B | 19mm | 13mm | 10mm | Phosphate | 11501800 | **50** |
| **15337** | M10-1.5 | B | 24mm | 15mm | 13mm | Phosphate | N621942 | **50** |

**METRIC FLANGE LOCK NUTS**

| IBS No. | Thread Size | Flange O.D | Hex Size | Height | Plating | OEM No. | Pkg Qty. |
|---|---|---|---|---|---|---|---|
| **15316** | M6-1.0 | 14mm | 10mm | 7.5mm | Phosphate | N620480 | **50** |
| **11709** | M8-1.25 | 17mm | 13mm | 8.5mm | Zinc | 11502811 | **50** |

# Expansion Plugs — Zinc Plated

## Concave Expansion Plugs

| IBS No. | Size | Pkg. Qty. |
|---|---|---|
| A-3937 | 1/2" | 100 |
| A-3938 | 5/8" | 100 |
| A-3939 | 3/4" | 100 |
| A-3941 | 15/16" | 100 |
| A-3942 | 1" | 100 |
| A-3944 | 1-1/8" | 100 |
| A-3946 | 1-1/4" | 100 |
| A-3949 | 1-5/8" | 50 |

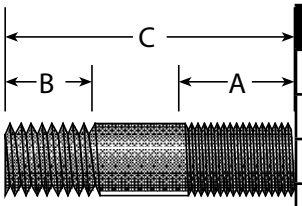
## Cup Type Expansion Plugs

| IBS No. | Size | Pkg. Qty. |
|---|---|---|
| A-3952 | 7/16" | 25 |
| D-555-002 | 1/2" | 10 |
| A-3956 | 5/8" | 25 |
| A-3957 | 3/4" | 25 |
| A-3958 | 7/8" | 25 |
| A-15212 | 15/16" | 25 |
| A-3960 | 1" | 25 |
| A-3961 | 1-1/8" | 25 |
| A-3962 | 1-7/32" | 25 |
| A-3963 | 1-1/4" | 25 |
| A-3964 | 1-3/8" | 25 |
| A-3965 | 1-1/2" | 25 |
| A-3966 | 1-5/8" | 25 |
| A3967 | 1-3/4" | 25 |
| A-3968 | 1-7/8" | 25 |
| A-3969 | 1-15/16" | 25 |
| A-3971 | 2" | 25 |

**Cup Type Expansion Plug**

# Grade 5 Cylinder Head & Manifold Studs X08

## Cylinder Head & Manifold Studs



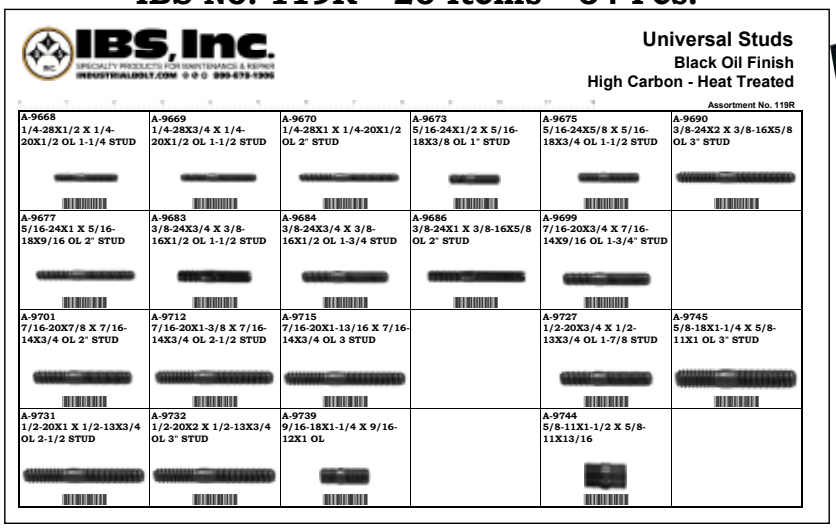

**Grade 5 Medium Carbon Heat Treated Steel**

| IBS No. | A Dia. x Length | B Dia. x Length | C Overall Length | Pkg Qty |
|---|---|---|---|---|
| A-9668 | 1/4-28 x 1/2 | 1/4-20 x 1/2 | 1-1/4 | 10 |
| A-9669 | 1/4-28 x 3/4 | 1/4-20 x 1/2 | 1-1/2 | 10 |
| A-9670 | 1/4-28 x 1 | 1/4-20 x 1/2 | 2 | 10 |
| A-9673 | 5/16-24 x 1/2 | 5/16-18 x 3/8 | 1 | 10 |
| A-9675 | 5/16-24 x 5/8 | 5/16-18 x 3/4 | 1-1/2 | 10 |
| A-9677 | 5/16-24 x 1 | 5/16-18 x 9/16 | 2 | 10 |
| A-9678 | 5/16-24 x 1/2 | 5/16-18 x 1/2 | 2-1/2 | 10 |
| A-9683 | 3/8-24 x 3/4 | 3/8-16 x 1/2 | 1-1/2 | 10 |
| A-9684 | 3/8-24 x 3/4 | 3/8-16 x 1/2 | 1-3/4 | 10 |
| A-9685 | 3/8-24 x 3/4 | 7/16-14 x 7/8 | 1-7/8 | 10 |
| A-9686 | 3/8-24 x 1 | 3/8-16 x 5/8 | 2 | 10 |
| A-9690 | 3/8-24 x 2 | 3/8-16 x 5/8 | 3 | 10 |
| A-9696 | 3/8-24 x 1-7/8 | 3/8-16 x 1/2 | 4 | 10 |
| A-9699 | 7/16-20 x 3/4 | 7/16-14 x 9/16 | 1-3/4 | 10 |
| A-9701 | 7/16-20 x 7/8 | 7/16-14 x 3/4 | 2 | 10 |
| A-9711 | 7/16-20 x 1-1/4 | 7/16-14 x 3/4 | 2-1/2 | 10 |
| A-9712 | 7/16-20 x 1-3/8 | 7/16-14 x 3/4 | 2-1/2 | 10 |
| A-9715 | 7/16-20 x 1-13/16 | 7/16-14 x 3/4 | 3 | 10 |
| A-9727 | 1/2-20 x 3/4 | 1/2-13 x 3/4 | 1-7/8 | 10 |
| A-9731 | 1/2-20 x 1 | 1/2-13 x 3/4 | 2-1/2 | 10 |
| A-9732 | 1/2-20 x 2 | 1/2-13 x 3/4 | 3 | 10 |
| A-9739 | 9/16-18 x 1-1/4 | 9/16-12 x 1 | 3 | 10 |
| A-9744 | 5/8-18 x 1-1/2 | 5/8-11 x 13/16 | 2-3/4 | 10 |
| A-9745 | 5/8-18 x 1-1/4 | 5/8-11 x 1 | 3-1/2 | 10 |

## Cylinder Head & Manifold Stud Assortment

**Arranged and labeled in a locking steel drawer for easy storage & organization.**

**IBS No. 119R • 20 Items • 64 Pcs.**



## Nylon Tees & Connectors

| | | |
|---|---|---|
| **A-11419**<br>3/16" 4-Way<br>**PKG QTY: 25** | **A-12916**<br>1/8" x 3/16" x 1/8"<br>Reducing Tee<br>**PKG QTY: 10** | **A-12918**<br>3/16" Three-Way<br>**PKG QTY: 10** |
| **A-12919**<br>3/16" x 1/4" x 3/16"<br>Reducing Tee<br>**PKG QTY: 10** | **A-12920**<br>5/16" 3-Way<br>**PKG QTY: 10** | **A-12921**<br>3/8" x 3/8" x 1/4"<br>Reducing Tee<br>**PKG QTY: 10** |
| **A-12923**<br>1/8" 3-Way<br>**PKG QTY: 10** | **A-12925**<br>3/8" 3-Way<br>**PKG QTY: 10** | **A-12926**<br>3/16" x 3/16" x 1/8"<br>Reducing Tee<br>**PKG QTY: 10** |
| **A-12927**<br>3/16" x 3/16" x 3/16"<br>"Y" Connector<br>**PKG QTY: 10** | **A-12929**<br>1/8" Straight<br>**PKG QTY: 10** | **A-12930**<br>1/8" x 3/16"<br>Straight Reducer<br>**PKG QTY: 10** |
| **A-12931**<br>1/4" Straight<br>**PKG QTY:** 10 | **A-12934**<br>3/8"<br>Straight<br>**PKG QTY: 10** | **A-12935**<br>3/16" x 1/4"<br>Straight Reducer<br>**PKG QTY: 10** |
| **A-12936**<br>1/8" x 1/4"<br>Straight Reducer<br>**PKG QTY: 10** | **A-12937**<br>3/16" Straight<br>**PKG QTY: 10** | **A-12946**<br>5/16" Straight<br>**PKG QTY: 10** |
| **A-12949**<br>3/16" 5-Way<br>**PKG QTY: 5** | **A-17629**<br>1/4" 3-Way<br>**PKG QTY: 10** | |

## Nylon Connectors & Vacuum Caps Assort (Z02)

**IBS No. 301P • 24 Items • 310 Pcs**

**Packaged in a locking steel drawer for easy storage & organization**

IBS, Inc.
SPECIALTY PRODUCTS FOR MAINTENANCE & REPAIR
INDUSTRIALBOLT.COM 800-679-1906

**Nylon Connectors and Vacuum Caps**

Assortment No. 301P

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| A-12929<br>1/8 STRT VACUUM CONNECTOR | A-12937<br>3/16 X 3/16 NYLON VACUUM CONN | A-12931<br>1/4 X 1/4 NYLON VACUUM CONN | A-12946<br>5/16 X 5/16 NYLON VACUUM CONN | A-12934<br>3/8 X 3/8 NYLON VACUUM CONN | A-12930<br>1/8X3/16 NYLON VACUUM CONN | A-12936<br>1/8 X 1/4 NYLON VACUUM CONN | A-12935<br>3/16 X 1/4 NYLON VACUUM CONN |
| A-12923<br>1/8 NYLON VACUUM CONN | A-12918<br>3/16 NYLON VACUUM CONN | A-17629<br>1/4 NYLON VACUUM TEE | A-12920<br>5/16 NYLON VACUUM CONN | A-12925<br>3/8 NYLON VACUUM CONN | | | A-12927<br>3/16 VACUUM Y" CONNECTOR" |
| A-12209<br>1/8 HI-TEMP RUBBER VACUUM CAP | A-19000<br>3/16 HI-TEMP RUBBER VACUUM CAP | A-19001<br>1/4 HI-TEMP RUBBER VACUUM CAP | A-19003<br>3/8 HI-TEMP RUBBER VACUUM CAP | | | | A-11419<br>3/16 4-WAY VACUUM CONN |
| A-12916<br>1/8X3/16X1/8 NYLON VACUUM CONN | A-12919<br>1/4X3/16X3/16 NYLON VACUUM CONN | A-12926<br>3/16X3/16X1/8 NYLON VACUUM CONN | A-12921<br>3/8X3/8X1/4 NYLON VACUUM TEE | | | | A-12949<br>3/16 5WAY VACUUM CONNECTOR |

AUTOMOTIVE

## Automotive Pigtails - GM 56 Series

**A-8774**
(2084421, 2962447)
Unplated Brass
16-14 Ga
Insulates with shell 8777
Mates w/ term 8776
**PKG QTY: 50**

**A-8775**
(2962984)
Insulates 8776 and 15956
Mates w/ shell 8777
**PKG QTY: 25**

**A-8776**
(2962987)
Unplated Brass
16-14 Ga
Insulated with shell 8775
Mates w/ term 8774
**PKG QTY: 50**

**A-8777**
(2962448)
Insulates 8774 and 15957
Mates w/shell 8775
**PKG QTY: 25**

**A-15956**
(2971962)
Tin Plated
16-14 Ga
Insulated with shell 8775
Mates w/Term 15957
**PKG QTY: 25**

**A-15957**
(2965142)
Tin Plated
16-14 Ga
Insulated with shell 8777
Mates w/Term 15956
**PKG QTY: 25**

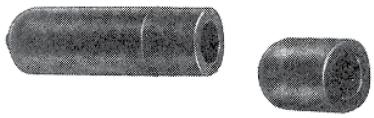
## Automotive Miscellaneous Items (X09)

## Mechanics Wire

| IBS No. | Type | Lng / Wt | Gauge | Qty |
|---|---|---|---|---|
| **D-110-100** | Spool | 1 lbs. | 18 | **1** |
| **D-110-200** | Spool | 2 lbs. | 18 | **1** |
| **D-110-300B** | Spool | 3 lbs. | 14 | **1** |
| **D-110-325B** | Spool | 3 lbs. | 16 | **1** |
| **D-110-500** | Spool | 5 lbs. | 18 | **1** |

## Hi-Temp Rubber Vacuum Caps

Can be used for capping lines and hoses while testing carburetors,emission control systems, vacuum lines, etc.



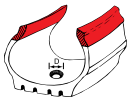
| IBS No. | Fits Tube O.D. | Inside Length | Pkg. Qty. |
|---|---|---|---|
| **A-4439** | 1/4 | 9/16 | **25** |
| **A-4440** | 3/16 | 9/16 | **25** |
| **A-12209** | 1/8 | 9/16 | **25** |
| **A-19000** | 3/16 | 1-1/4 | **25** |
| **A-19001** | 1/4 | 1-1/4 | **25** |
| **A-19003** | 3/8 | 1-1/2 | **25** |

### COI RADIAL APPLICATION CHART

**SIDEWALL INJURY**

L= Length of injury
W=Width of injury

**TREAD INJURY**



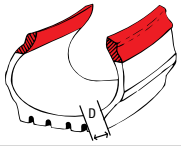

**PASSENGER**

**LIGHT TRUCK**

**HEAVY TRUCK**

**EARTHMOVER**

| Maximum Width | Maximum Length | Maximum Diameter | PASSENGER 125 - 195 | PASSENGER 205 - 255 | LIGHT TRUCK 6.50 - 12.50 / 7 - 10 / 215/85 - 255/85 / 215/75 - 265/75 | HEAVY TRUCK 7.50 - 10.00 / 8 - 11 / 235/80 - 275/80 / 245/75 - 295/75 | HEAVY TRUCK 11.00 - 14.00 / 12 - 16.5 / 295/80 - 315/80 / 315/75 - 425/65 | EARTHMOVER 14.00 - 40.00 / 15.5 - 50.5 / 20/65 - 65/65 |
|---|---|---|---|---|---|---|---|---|
| | | 1/8" (3mm) | 10 | 10 | 10 | 10 | 10 | 44 |
| 1/8"(3mm) | 1/8" (3mm) | | 10 | 10 | 10 | 10 | 10 | 42 |
| | | 1/4" (6mm) | 10 | 10 | 12 | 12 | 12 | 44 |
| 1/4"(6mm) | 1/4" (6mm) | | 10 | 10 | 12 | 12 | 12 | 42 |
| | 1/2" (12mm) | | | | 20 | 42 | 40 | 42 |
| | 2" (50mm) | | 12 | 12 | 22 | | | |
| 1 cable | 1 1/2" (40mm) | | | | 20 | 20 | 20 | |
| | 3 1/8" (80mm) | | | | 22 | 22 | 22 | |
| | 4 3/4" (120mm) | | | | | 24 | 24 | |
| | 6" (150mm) | | | | | 26 | 26 | |
| 2 cables | 3/4" (19mm) | | | | 20 | 20 | 22 | |
| | 1 1/2" (40mm) | | | | | 22 | 24 | |
| | 2 3/8" (60mm) | | | | 22 | 24 | 26 | |
| | 5 1/8" (130mm) | | | | | 26 | 28 | |
| | | 3/8" (10mm) | 10 | 10 | 20 | 20 | 20 | 44 |
| 3/8" (10mm) | 3/8" (10mm) | | 10 | 10 | 20 | 20 | 20 | 42 |
| | 1 1/2" (40mm) | | 12 | 12 | | 26 | 40 | |
| | 2" (50mm) | | 14 | 14 | 22 | | | |
| | 2 3/8" (60mm) | | | | | | | |
| | 3 1/8" (80mm) | | | | 42 | | 42 | |
| | 5 1/8" (130mm) | | | | | | 44 | |
| | | 1/2" (12mm) | 12 | 12 | 22 | 25 | 25 | 44 |
| 1/2" (12mm) | 1 1/2" (40mm) | | 12 | 12 | 22 | 40 | 40 | 44 |
| | 2" (50mm) | | 14 | 14 | | | 42 | |
| | 2 3/4" (70mm) | | | | | | | |
| | 3 3/4" (95mm) | | | | 40 | 42 | | |
| | 5 1/8" (130mm) | | | | | 44 | 44 | |
| | | 3/4" (19mm) | 12 | 12 | 22 | 25 | 35 | 44 |
| 3/4" (19mm) | 3/4" (20mm) | | 12 | 12 | 22 | 40 | 40 | 44 |
| | 1" (25mm) | | | 14 | | | | |
| | 1 1/2" (40mm) | | | | 24 | | 42 | |
| | 2" (50mm) | | 14 | | | | | |
| | 2 1/2" (65mm) | | | | | | | |
| | 4 3/8" (110mm) | | | | | 42 | 44 | |
| | 5 1/8" (130mm) | | | | | 44 | | |
| | | 1" (25mm) | 14 | 14 | 25 | 35 | 35 | 44 |
| 1" (25mm) | 1 1/2" (40mm) | | 14 | 14 | 40 | 42 | 44 | |
| | 2" (50mm) | | | 22 | | | | |
| | 3 1/8" (80mm) | | | | | | | |
| | 4" (100mm) | | | | | 44 | | |
| | | 1 1/4" (30mm) | | | | 35 | 35 | |
| 1 1/4" (30mm) | 2" (50mm) | | | | | 42 | 44 | |
| | 3 1/8" (80mm) | | | | | 44 | | |
| | 4" (100mm) | | | | | | | |
| | | 1 1/2" (40mm) | | | | 45 | 45 | |
| 1 1/2" (40mm) | 2" (50mm) | | | | | 44 | 44 | |
| | 3 1/8" (80mm) | | | | | | | |
| **SHOULDER INJURY** | | 1/4" (6mm) | 10 | 10 | 12 | 20 | 20 | 42 |
| | | 3/8" (10mm) | 12 | 12 | 20 | | 22 | |
| | | 1/2" (12mm) | | | | 22 | 40 | 44 |
| | | 3/4" (19mm) | | 14 | 22 | | | |
| | | 1" (25mm) | | | 40 | 42 | 42 | |
| | | 1 1/2" (40mm) | | | | 44 | 44 | |




D = Diameter of injury

AUTOMTIVE

AUTOMOTIVE

## USA Style Universal Repair Units

For Radial or Bias Ply Tires

- The most popular universal repair.
- Designed for chemical vulcanization.
- Black vulcanizing gum, blue poly backing.

| IBS No. | Description | Size (inches) | Size (mm) | Qty |
|---|---|---|---|---|
| 10907 | Small Round | 1-3/4 | 41 | 30 |
| 10908 | Medium Round | 2-1/4 | 57 | 25 |
| 10909 | Large Round | 3-1/4 | 82 | 15 |

## USA Style COI Radial Repair Units

- Each reinforcing ply is individually end-wrapped to deflect tire flexing stresses in a unique manner.
- Tie-gun construction eliminates the potential for delamination common in competitive products.
- Designed to vulcanize chemically or in low temperature systems.
- Gray vulcanizing gum, blue poly backing.

| IBS No. | Description | Size (inches) | Size (mm) | Qty |
|---|---|---|---|---|
| 10914 | Radial 12, 1 Ply | 2-1/4 x 4 | 57x100 | 10 |
| 10915 | Radial 14, 1 Ply | 3-3/4 x 4 | 95x100 | 10 |
| 10916 | Radial 20, 2 Ply | 2-7/8 x 5 | 72x124 | 10 |

**See COI Radial Application Chart on following page.**

## CP Cross Ply Bias Repair Units

Bias ply repair units are designed for use in nail hole, reinforcing or section repairs and be applied in any repairable area of a tube or tubeless bias ply tire.

| IBS No. | Description | Size (inches) | Size (mm) | Qty |
|---|---|---|---|---|
| 10910 | CP3, 2 Ply | 4-3/8 | 112 | 10 |
| 10911 | CP4, 4 Ply | 5-1/2 | 140 | 10 |
| 10912 | CP5, 4 Ply | 6-3/4 | 172 | 10 |

## Universal String Type Inserts

Universal String-Type Inserts are an excellent emergency repair when a full service repair utility is unavailable. Made of butyl rubber, these inserts are very strong, allowing easy insertion through steel belted radials. Perfect for repairing lawn tractor, golf cart and other off-road tires.

| IBS No. | Description | Size (inches) | Size (mm) | Qty |
|---|---|---|---|---|
| 10918 | Fat, Brown String | 4 | 102 | 50 |
| 10920 | Fat, Brown String | 8 | 204 | 25 |

## Universal String Type Kits

| IBS No. | Description | Qty |
|---|---|---|
| 10919 | Tire Repair Kit with 4" Strings and HD Metal Tools | 1 |
| 10917 | Tire Repair Kit with 8" Strings and HD Metal Tools | 1 |

## Universal Quilled Combination Units

- For use in radial and bias ply tires.
- Designed for chemical vulcanization.
- Black vulcanizing gum, white backing.
- Equipped with metal quill for easy installation.

| IBS No. | Patch Size | Stem Dia. Inch (mm) | Qty |
|---|---|---|---|
| 10921 | 1-5/8 (42mm) Round | 5/32 (4mm) | 20 |
| 10922 | 1-7/8 (47mm) Round | 7/32 (5.5mm) | 20 |

# Lead-Wire Combination Units - Dipped

- For use in radial and bias ply tires.
- Designed for chemical vulcanization.
- Patch portion has gray vulcanizing gum, blue backing.
- Stem portion is dip coated with premium vulcanizing gum.
- No special insert tools required. Use carbide cutter to prepare injury channel. Install from the inside.

| IBS No. | Patch Size | Stem Dia. Inch (mm) | Qty |
|---|---|---|---|
| 10925 | 1-5/8 (42mm) Round | 3/16 (5mm) | 24 |
| 10926 | 2-1/8 (55mm) Round | 1/4 (7.5mm) | 24 |

# Chemical Vulcanizing Cement

For chemical or heat vulcanization. The flammable vulcanizing cement is the most popular fast dry cement. For use with any repair unit or insert. When used on large reinforced patches, coat patch and inner liner with cement.

| IBS No. | Description | Qty |
|---|---|---|
| 10927 | 8 oz. Vulcanizing Cement Flammable | 1 |

# Buffing Solution

For removing dirt, debris and mold lubricants from the repair area prior to buffing.

| IBS No. | Description | Qty |
|---|---|---|
| 10928 | 32 oz. Rubber Prep Buffing Solution Flammable | 1 |

# Bead Sealer

## Heavy Duty Flammable

For sealing small air leaks between the tire bead between the tire and the wheel.

| IBS No. | Description | Qty |
|---|---|---|
| 10929 | 32 oz. Bead Sealer Heavy Duty,Flammable | 1 |

# Euro-Paste

## Mounting Compound

- Makes tire mounting/de-mounting easier.
- Protects tire beads from damage.
- Helps beads to seat properly.
- Non-Toxic, environmentally friendly.

| IBS No. | Description | Qty |
|---|---|---|
| 10951 | 6-1/2 Lb (3 kg) X-tra Seal Euro Paste, White | 1 |
| 10952 | Large Applicator Brush, 2" Dia. | 1 |

# Tire Repair Tools

## Required for Quality Repairs

*10932*

*10933*

**SPLIT EYE NEEDLES**

| IBS No. | Description | Qty |
|---|---|---|
| 10932 | Pistol Grip Split-Eye Insert Needle | 1 |
| 10933 | Die-Cast T-Handle Split Eye Needle | 1 |

**PROBES**

| IBS No. | Description | Qty |
|---|---|---|
| 10930 | Pistol Grip Spiral Cement Probe | 1 |
| 10931 | Pistol Grip 2 Stage Knurled Probe | 1 |

**SKIVING KNIVES**

| IBS No. | Description | Qty |
|---|---|---|
| 10935 | Flexible Skiving Knife | 1 |

### BALL BEARING STITCHER

| IBS No. | Description | Qty |
|---|---|---|
| 10937 | 3/16 x 1-1/2 Wood Handle Ball Bearing Stitcher | 1 |

*10940*

*10946*

*10947*

### BUFFING WHEELS

| IBS No. | Description | Qty |
|---|---|---|
| 10940 | 2-1/2" Light Duty Carbide Buffing Wheel, BC-1 (Use with 69027 Arbor Adapter) | 1 |
| 10946 | 2" Dome Economy Buffing Wheel, 60G (Use with 10938 Arbor Adapter) | 1 |
| 10947 | 2" Dome Carbide Buffing Wheel, SSG170 (Use with 10938 Arbor Adapter) | 1 |

**Maximum operating speed = 5,000 RPM**

*10938*

*69027*

### ARBOR ADAPTERS

| IBS No. | Description | Qty |
|---|---|---|
| 10938 | Arbor Adapter, threads 3/8-24 x 1-1/2 long | 1 |
| 69027 | Arbor Adapter, 3/8 Arbor, 1/4 Shank | 1 |

## Passenger & Light Truck Valves

**Meets or Exceeds All Industry Quality Standards**

### TUBELESS SNAP-IN VALVES

| IBS No. | TR No. | Material | Height | Valve Hole | Qty |
|---|---|---|---|---|---|
| 10962 | 412 | EPDM Rubber | 0.88" | .453" | 10 |
| 10963 | 413 | EPDM Rubber | 1.25" | .453" | 10 |
| 10964 | 414 | EPDM Rubber | 1.50" | .453" | 10 |
| 10965 | 415 | EPDM Rubber | 1.25" | .625" | 10 |
| 10968 | 418 | EPDM Rubber | 2.00" | .425" | 10 |

**Application: 65 psi maximum cold inflation pressure and maximum rim thickness of 0.156".**

**NOTE: H,V, W, and Z speed rated tires require a metal bolt-in style valve.**

### HIGH PRESSURE SNAP-IN VALVES

| IBS No. | TR No. | Material | Height | Valve Hole | Qty |
|---|---|---|---|---|---|
| 10994 | 600HP | Brass/Rubber | 1.27" | .453" | 10 |
| 10995 | 602HP | Brass/Rubber | 2.00" | .453" | 10 |
| 10991 | 801HP | Brass/Rubber | 1.31" | .625" | 5 |
| 10992 | 802HP | Brass/Rubber | 2.00" | .625" | 5 |

**Application:**

**600HP/602HP = 80 psi maximum cold inflation pressure and maximum rim thickness of 0.205"**

**801HP/802HP = 100 psi maximum cold inflation pressure and maximum rim thickness of 0.205"**

**NOTE: H, V, W, and Z speed rated tires require a metal bolt-in style valve**

## Heavy Truck Valves

**Meets or Exceeds All Industry Quality Standards**

### BRASS VALVES, METRIC

| IBS No. | TR No. | Material | H | L | Angle | Valve Hole | Qty |
|---|---|---|---|---|---|---|---|
| 10993 | V3-20-4 | Brass | 1.00" | 2.38" | 27° | .625" | 1 |

# Valve Accessories & Tools

### VALVE CAPS & CORES (TPMS Compatible)

| IBS No. | Description | Qty |
|---|---|---|
| 10973 | VC-8 Black Plastic Cap | 100 |

10970 10971 10972 10974 10981 10982

### VALVE CAPS & CORES

**Warning: DO NOT USE with TPMS Valve Stems***

| IBS No. | Description | Qty |
|---|---|---|
| 10970 | C-1 Short Valve Core | 10 |
| 10971 | C-1 Short Valve Core, High Temp | 10 |
| 10972 | VC-3 Long Metal Dome Cap with Seal | 10 |
| 10974 | Chrome Hex Cap with Seal | 10 |
| 10981 | Long Skirted Plastic Green Cap with Seal for Nitrogen Identification | 10 |
| 10982 | Double Seal Valve Cap | 5 |

*** If a brass valve cap is installed on an aluminum valve, corrosion will occur and the cap may not be able to be removed without breaking the valve.**

10975 10976

### METAL EXTENSIONS, PASSENGER

| IBS No. | Description | Qty |
|---|---|---|
| 10975 | 3/4" Metal Valve Extension | 10 |
| 10976 | 1-1/4 Metal Valve Extension | 10 |

10957 10958

### VALVE CORE REMOVER TOOLS

| IBS No. | Description | Qty |
|---|---|---|
| 10957 | TPMS Valve Core Torque Tool, 4 in-lbs. | 1 |
| 10958 | Core Tool | 1 |

### 4-WAY VALVE TOOL

| IBS No. | Description | Qty |
|---|---|---|
| 10986 | 4-Way Valve Tool | 1 |

10987 10988 10990

### VALVE INSTALLATION TOOLS

| IBS No. | Description | Qty |
|---|---|---|
| 10987 | Valve Installation Tool, Screw-On Type | 1 |
| 10988 | No-Mar Installation Tool Screw-On Type | 1 |
| 10990 | Pull-A-Stem Valve Installation Tool | 1 |

10977 10979 10978

### AIR CHUCKS

| IBS No. | Description | Qty |
|---|---|---|
| 10977 | Ball Foot Air Chuck, Closed | 1 |
| 10979 | Ball Foot Chuck with Clip | 1 |
| 10978 | Dual Foot Chuck Angled | 1 |

AUTOMOTIVE

# OEM Zinc Wheel Balance Weights

## Zinc wheel balance weights are used by more OEMs worldwide than any other material available.

With over 2 billion parts used in the past 5 years, zinc remains the material of choice on a global scale for most OE manufacturers. The reason is because zinc is one of the most common and most recycled elements on earth, making it a perfect manufacturing material.

IBS provides you with the highest quality zinc wheel weights available

**Order all Wheel Weights in Packages of 25**

## P-Series — Uncoated

The P-Series zinc clip-on wheel weight is used primarily on standard passenger car 13" - 17" steel wheels. Also available in an uncoated finish.

Fits: Steel wheels with a standard-width rim flange thickness.
Available Sizes: 0.25 oz. - 3 oz.

- Premium Zinc
- For Steel Wheels
- Ounces & Grams
- Uncoated
- OEM Approved
- Non-Lead

| IBS No. | Wt (oz) | IBS No. | Wt (oz) | IBS No. | Wt (oz) |
|---|---|---|---|---|---|
| 20301 | 1/4 | 20305 | 1-1/4 | 20309 | 2-1/4 |
| 20302 | 1/2 | 20306 | 1-1/2 | 20310 | 2-1/2 |
| 20303 | 3/4 | 20307 | 1-3/4 | 20311 | 2-3/4 |
| 20304 | 1 | 20308 | 2 | 20312 | 3 |

## AW-Series — Coated

The AW-Series zinc clip-on wheel weight is used primarily on most domestic vehicles equipped with alloy rims that were manufactured prior to 1995.

Fits: Many brands like Acura, Buick, Chevrolet, Chrysler, Dodge, Infinity, Isuzu, Lexus, Oldsmobile & Pontiac.
Available Sizes: 0.25 oz. - 3 oz.

- Premium Zinc
- For Alloy Wheels
- Ounces & Grams
- Coated
- OEM Approved
- Non-Lead

| IBS No. | Wt (oz) | IBS No. | Wt (oz) | IBS No. | Wt (oz) |
|---|---|---|---|---|---|
| 20349 | 1/4* | 20353 | 1-1/4 | 20357 | 2-1/4 |
| 20350 | 1/2 | 20354 | 1-1/2 | 20358 | 2-1/2 |
| 20351 | 3/4 | 20355 | 1-3/4 | 20359 | 2-3/4 |
| 20352 | 1 | 20356 | 2 | 20360 | 3 |

** Available in Steel only*

## MC-Series — Coated

The MC-Series zinc clip-on wheel weight is used primarily on most domestic vehicles equipped with alloy rims. The MC Series is the most sold & installed zinc series wheel weight for alloy rims.

Fits: Some brands like Buick, Chevrolet, Chrysler, Dodge, Ford, Mazda, Oldsmobile, Pontiac & Saturn.
Available Sizes: 0.25 oz. - 3 oz.

- Premium Zinc
- For Steel Wheels
- Ounces & Grams
- Coated
- OEM Approved
- Non-Lead

| IBS No. | Wt (oz) | IBS No. | Wt (oz) | IBS No. | Wt (oz) |
|---|---|---|---|---|---|
| 20337 | 1/4* | 20341 | 1-1/4 | 20345 | 2-1/4 |
| 20338 | 1/2 | 20342 | 1-1/2 | 20346 | 2-1/2 |
| 20339 | 3/4 | 20343 | 1-3/4 | 20347 | 2-3/4 |
| 20340 | 1 | 20344 | 2 | 20348 | 3 |

** Available in Steel only*

# OEM Zinc Wheel Balance Weights

## LH-Series - Coated

The LH-Series zinc clip-on wheel weight is used primarily on late model Chrysler cars and is designed to fit their unique rim flange.

Fits: Some brands like Chrysler, Dodge & Ford

Available Sizes: 0.25 oz. - 3 oz.

- Premium Zinc
- For Alloy Wheels
- Ounces & Grams
- Coated
- OEM Approved
- Non-Lead

| IBS No. | Wt (oz) | IBS No. | Wt (oz) | IBS No. | Wt (oz) |
|---|---|---|---|---|---|
| 20361 | 1/4* | 20365 | 1-1/4 | 20369 | 2-1/4 |
| 20362 | 1/2 | 20366 | 1-1/2 | 20370 | 2-1/2 |
| 20363 | 3/4 | 20367 | 1-3/4 | 20371 | 2-3/4 |
| 20364 | 1 | 20368 | 2 | 20372 | 3 |

** Available in Steel only*

## IAW-Series —Coated

The IAW-Series zinc clip-on wheel weight is used primarily European and Asian vehicles with alloy wheels.

Fits: Many brands like Audi, BMW, Cadillac, Volkswagen & Volvo.

Available Sizes: 10g - 60g

- Premium Zinc
- For Alloy Wheels
- Grams Only
- Coated
- OEM Approved
- Non-Lead

| IBS No. | Wt (g) | IBS No. | Wt (g) | IBS No. | Wt (g) |
|---|---|---|---|---|---|
| 20373 | 10 | 20377 | 30 | 20381 | 50 |
| 20374 | 15 | 20378 | 35 | 20382 | 55 |
| 20375 | 20 | 20379 | 40 | 20383 | 60 |
| 20376 | 25 | 20380 | 45 | | |

## EN-Series — Coated

The EN-Series zinc clip-on wheel weight is used primarily on Audi, Mercedes Benz, and early model Japanese vehicles equipped with alloy wheels.

Fits: Many brands like Acura, Audi, Ford, Honda, Mercedes Benz & Volkswagen.

Available Sizes: 10g - 60g

- Premium Zinc
- For Alloy Wheels
- Grams Only
- Coated
- OEM Approved
- Non-Lead

| IBS No. | Wt (g) | IBS No. | Wt (g) | IBS No. | Wt (g) |
|---|---|---|---|---|---|
| 20395 | 10 | 20399 | 30 | 20403 | 50 |
| 20396 | 15 | 20400 | 35 | 20404 | 55 |
| 20397 | 20 | 20401 | 40 | 20405 | 60 |
| 20398 | 25 | 20402 | 45 | | |

## FN-Series — Coated

The FN-Series zinc clip-on wheel weight is used primarily on most Japanese vehicles equipped with alloy wheels.

Fits: Many brands like Acura, Honda, Infiniti, Lexus, Nissan & Toyota.

Available Sizes: 10g - 60g

- Premium Zinc
- For Alloy Wheels
- Grams Only
- Coated
- OEM Approved
- Non-Lead

| IBS No. | Wt (g) | IBS No. | Wt (g) | IBS No. | Wt (g) |
|---|---|---|---|---|---|
| 20384 | 10 | 20388 | 30 | 20392 | 50 |
| 20385 | 15 | 20389 | 35 | 20393 | 55 |
| 20386 | 20 | 20390 | 40 | 20394 | 60 |
| 20387 | 25 | 20391 | 45 | | |

## T-Series — Coated

The T-Series zinc clip-on wheel weight is used primarily on most domestic light trucks equipped with decorative and larger-thickness steel wheels and most late-model light-trucks equipped with alloy wheels.

Fits: Steel wheels with a thicker than standard rim flange and light trucks with alloy rims.

Available Sizes: 0.25 oz. - 3 oz.

- Premium Zinc
- For Steel Wheels
- Ounces & Grams
- Coated
- OEM Approved
- Non-Lead

| IBS No. | Wt (oz) | IBS No. | Wt (oz) | IBS No. | Wt (oz) |
|---|---|---|---|---|---|
| 20325 | 1/4* | 20329 | 1-1/4 | 20333 | 2-1/4 |
| 20326 | 1/2 | 20330 | 1-1/2 | 20334 | 2-1/2 |
| 20327 | 3/4 | 20331 | 1-3/4 | 20335 | 2-3/4 |
| 20328 | 1 | 20332 | 2 | 20336 | 3 |

AUTOMOTIVE

# Wheel Weight Assortment

**Arranged in a 40 hole metal bin**

**IBS No. 857P • 40 Items • 181 Pcs.**

IBS, Inc.
SPECIALTY PRODUCTS FOR MAINTENANCE & REPAIR
INDUSTRIALDIRECT.COM 800-670-1990

**Wheel Weights**

Assortment No. 857P

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 20301<br>1/4OZ P PASS WEIGHT<br>ZINC UNCOATED | 20302<br>1/2OZ P PASS WEIGHT<br>ZINC UNCOATED | 20303<br>3/4OZ P PASS WEIGHT<br>ZINC UNCOATED | 20304<br>1OZ P PASS WEIGHT<br>ZINC UNCOATED | 20305<br>1-1/4OZ P PASS WEIGHT<br>ZINC UNCOATED | 20306<br>1-1/2OZ P PASS WEIGHT<br>ZINC UNCOATED | 20307<br>1-3/4OZ P PASS WEIGHT<br>ZINC UNCOATED | 20308<br>2OZ P PASS WEIGHT<br>ZINC UNCOATED |
| 20350<br>AW Type Zinc Weight-<br>Coated 1/2 OZ | 20351<br>AW Type Zinc Weight-<br>Coated 3/4 OZ | 20352<br>AW Type Zinc Weight-<br>Coated 1 OZ | 20353<br>AW Type Zinc Weight-<br>Coated 1-1/4 OZ | 20354<br>AW Type Zinc Weight-<br>Coated 1-1/2 OZ | 20355<br>AW Type Zinc Weight-<br>Coated 1-3/4 OZ | 20356<br>AW Type Zinc Weight-<br>Coated 2 OZ | 20358<br>AW Type Zinc Weight-<br>Coated 2-1/2 OZ |
| 20338<br>MC Type Zinc Weight-<br>Coated 1/2 OZ | 20339<br>MC Type Zinc Weight-<br>Coated 3/4 OZ | 20340<br>MC Type Zinc Weight-<br>Coated 1 OZ | 20341<br>MC Type Zinc Weight-<br>Coated 1-1/4 OZ | 20342<br>MC Type Zinc Weight-<br>Coated 1-1/2 OZ | 20343<br>MC Type Zinc Weight-<br>Coated 1-3/4 OZ | 20344<br>MC Type Zinc Weight-<br>Coated 2 OZ | 20346<br>MC Type Zinc Weight-<br>Coated 2-1/2 OZ |
| 20326<br>T Truck Zinc Weight-<br>Coated 1/2 OZ | 20327<br>T Truck Zinc Weight-<br>Coated 3/4 OZ | 20328<br>T Truck Zinc Weight-<br>Coated 1 OZ | 20329<br>T Truck Zinc Weight-<br>Coated 1-1/4 OZ | 20330<br>T Truck Zinc Weight-<br>Coated 1-1/2 OZ | 20331<br>T Truck Zinc Weight-<br>Coated 1-3/4 OZ | 20332<br>T Truck Zinc Weight-<br>Coated 2 OZ | 20334<br>T Truck Zinc Weight-<br>Coated 2-1/2 OZ |
| 20373<br>IAW Type Zinc Weight-<br>Coated 10 GRAMS | 20374<br>IAW Type Zinc Weight-<br>Coated 15 GRAMS | 20375<br>IAW Type Zinc Weight-<br>Coated 20 GRAMS | 20376<br>IAW Type Zinc Weight-<br>Coated 25 GRAMS | 20377<br>IAW Type Zinc Weight-<br>Coated 30 GRAMS | 20378<br>IAW Type Zinc Weight-<br>Coated 35 GRAMS | 20379<br>IAW Type Zinc Weight-<br>Coated 40 GRAMS | 20380<br>IAW Type Zinc Weight-<br>Coated 45 GRAMS |

# OEM Steel Adhesive Wheel Balance Weights

## Steel adhesive-backed wheel balance weights are used by more OEMs in North America than any other steel adhesive.

These wheel weights are the highest quality adhesive backed steel weights available. Featuring a patented shape and patented QuikTab® these adhesive wheel weights are easier fit and apply to the contour of the wheel during installation.

**Order all Wheel Weights in Full Pack Qty**

Standard height profile adhesive weights for use on most wheels. Low profile height for use where there is not enough brake caliper clearance for standard height profile adhesive weights.

| IBS No. | Description | Qty |
|---|---|---|
| 20410 | Steel Weight, 1/4 oz segments, 3 oz strip, 12 segments per strip — 25 strips per box, 300 segments, 0.225" height<br>Standard profile: 0.75" x 0.37" | 25 |

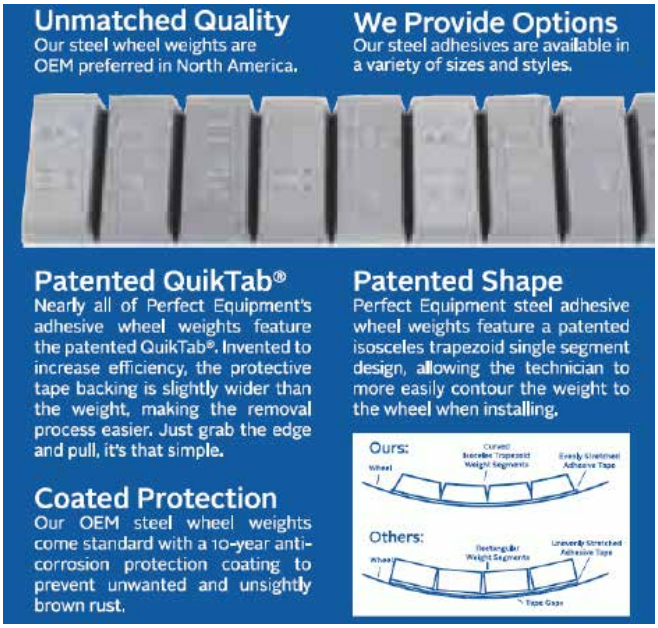
| IBS No. | Description | Qty |
|---|---|---|
| 20406 | Steel Weight, 1/4 oz segments, 3 oz strip, 12 segments per strip — 48 strips per box, 576 segments, grey coating<br>Low profile: 0.1875" x 0.75" | 48 |

*20408*

| IBS No. | Description | Qty |
|---|---|---|
| 20407 | Steel Weight, 1/4 oz segments, 3 oz strip, 12 segments per strip — 52 strips per box, 624 segments<br>Low profile: 0.1875" x 1" | 52 |
| 20408 | 20lb Roll, 1280 segments | 1 |

Save time and money — with an adhesive roll use only the amount you need with each application. Simply pull and rip — No cutting, no measuring.

| IBS No. | Description | Qty |
|---|---|---|
| 20411 | Steel Weight Roll Stand | 1 |



| IBS No. | Description | Qty |
|---|---|---|
| 20409 | Steel Weight, Truck 1/2 oz segments, 6 oz strip, 12 segments per strip — 30 strips per box, 360 segments per strip<br>Standard profile: 0.3125" x 1" | 30 |

## Wheel Weight Adhesive Scraper (T03)

For removal of adhesive wheel weights.

| IBS No. | Description | Qty |
|---|---|---|
| 20506 | Adhesive Scraper | 1 |

AUTOMTIVE

AUTOMOTIVE

## Wheel Weight Pliers

European designed installation and removal tool with clip claw.

| IBS No. | Description | Qty |
|---|---|---|
| 20500 | Wheel Weight Pliers with Clip Claw | 1 |

Unique replaceable "soft-head" design. Will not damage the wheel or the special coating on the wheel weight.

| IBS No. | Description | Qty |
|---|---|---|
| 20501 | Wheel Weight Pliers with Soft Head | 1 |

## Wheel Weight Hammers

Used for the installation of coated clip-on weights. Soft head acetate face and clip claw horn quickly removes old weights.

| IBS No. | Description | Qty |
|---|---|---|
| 20502 | Alloy Hammer & Clip Claw Horn | 1 |

Specifically designed to install TAL clip-on wheel weights.

| IBS No. | Description | Qty |
|---|---|---|
| 20503 | Alloy Hammer w/double side soft face | 1 |

## Rim Gauges

Rim gauges should be used when proper applications cannot be found in the application guide.

*20504*

*20505*

| IBS No. | Description | Qty |
|---|---|---|
| 20504 | Rim Gauge for Trucks | 1 |
| 20505 | Rim Gauge for Cars | 1 |