



Automotive

A

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Automotive

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Au-Ve-Co

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IBS, INCORPORATED

Automotive Rivets & Fasteners H04



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. 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 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. 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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IBS, INCORPORATED

Assortments Z02

J.I.S. Hex Head Capscrews Assortment

IBS No. 697R • 20 Pieces • 595 Items

Packaged in a locking steel drawer for easy storage & organization



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 JIS 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

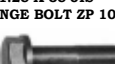
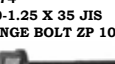
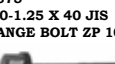
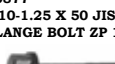
IBS No. 779R • 24 Pieces • 605 Items

Packaged in a locking steel drawer for easy storage & organization



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 NUT ZP 	10843 M8-1.25 JIS SERR FLANGE NUT ZP 	10844 M10-1.25 JIS SERR FLANGE NUT ZP 



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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 Trim Panel (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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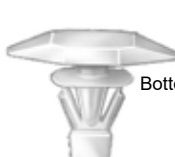
Automotive Push (X-Mas Tree) Retainers X03

Push Retainers

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 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: Phillips 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 Hole 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" Hole 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

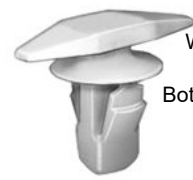


IBS, INCORPORATED

Automotive Push (X-Mas Tree) Retainers X03

Push Retainers

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 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 Assortment

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



IBS, Inc. SPECIALTY PRODUCTS FOR AUTOMOTIVE & RECREATION					X-mas Tree Retainers	
Assortment No. 343P						
A-10831 GM 12384 Ford 800000 Chrysler 800100 800120 AMC 4000000 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"	A-17664 GM 1071102 Ford 800000 800000 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"	A-12992 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"	A-15948 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"	A-11180 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"		
A-11146 GM 108000 108000 Ford 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"	A-12737 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"	A-11796 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"	A-19356 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"	A-17661 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"		
A-12766 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"	A-19541 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"	A-12568 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"	A-17612 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"	A-12909 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"		
A-20189 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"	A-16818 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"	A-12137 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"	A-17612 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"	A-17612 Chrysler 800100 800120 Black Nylon Shield Retainer Stem Dia. 1/8" Stem Length 1/2" Hole Dia. 1/8" Hole Depth 1/2"		

IBS, Inc. SPECIALTY PRODUCTS FOR AUTOMOTIVE & RECREATION					Nylon Push/Screw Type Retainers	
Assortment No. 344P						
A-18119 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"	A-13993 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"	A-14993 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"	A-17143 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"	A-14698 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"		
A-14997 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"	A-14011 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"	A-14994 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"	A-14697 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"	A-16000 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"		
A-14992 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"	A-13994 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"	A-17057 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"	A-16000 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"	A-16858 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"		
A-14260 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"	A-17632 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"	A-17222 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"	A-16858 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"	A-16858 Chrysler 800100 800120 Black Nylon Push-Type Retainer Head Dia. 1/2" Stem Length 1/2" Hole Dia. 1/2" Hole Depth 1/2"		

IBS, Inc. SPECIALTY PRODUCTS FOR AUTOMOTIVE & RECREATION					Door Panel and Moulding Clips	
Assortment No. 842R						
A-11612 WEATHERSTRIP RETAINER - GM FORD AMC	A-12571 FASCIA TO BUMPER RETAINER BLK FORD	A-12992 N/16 GM NYLON RET. DOOR TRIM PANEL	A-14021 FASCIA RETAINER BLK	A-15480 FORD INTERIOR TRIM PANEL RETAINER - BLACK NYLON		
A-15668 FORD TRIM PANEL RETAINER	A-15670 GM DOOR PANEL RETAINER	A-15970 GM DOOR TRIM PANEL RETAINER WHITE NYLON	A-16017 WHITE NYLON TRIM PANEL RETAINER	A-17102 WHITE TRIM PANEL RETAINER		
A-17339 LINCOLN WEATHERSTRIP RETAINER	A-18033 CHRYSLER WEATHERSTRIP RETAINER	A-18353 DOOR TRIM PANEL PUSH TYPE RETAINER	A-18848 YELLOW FORD DOOR TRIM PANEL RETAINER	A-19286 CHRYSLER TRIM PANEL RETAINER NYLON		
A-19658 HOOD INSULATION RETAINER BLK FORD	A-19880 WEATHER STRIP RETAINER	A-21241 FORD TRIM BLK NYLON ROCKER, FILLER & FENDER LINER 7.5MM X 3MM	A-19658 HOOD INSULATION RETAINER BLK FORD	A-19880 WEATHER STRIP RETAINER		

IBS, Inc. SPECIALTY PRODUCTS FOR AUTOMOTIVE & RECREATION					Push-In Fasteners	
Assortment No. 843R						
A-14260 TOYOTA PUSH-TYPE RETAINER 15MM HEAD DIA.	A-14369 MAZDA PUSH-TYPE RETAINER 20MM HD DIA. 3MM LENGTH	A-14753 PUSH-TYPE RETAINER 11/16 HEAD DIA. 7/8 LENGTH	A-16835 12MM SCREW RETAINER NYLON	A-17103 FASCIA RETAINING CLIP		
A-17216 PUSH-TYPE RETAINER 20MM HEAD DIA. 20MM LENGTH	A-18030 CHRYSLER PUSH TYPE RTRN 11/16 HD 13/16 LOTH	A-18369 CHRYSLER LOWER SILL Moulding CLIP	A-18310 GM REAR BUMPER FASCIA PUSH RETAINER	A-19244 FORD TRUNK TRIM PANEL RETAINER 1 HEAD DIA		
A-19422 CHRYSLER FASCIA PUSH TYPE RETAINER 20/32 STY LENGTH	A-19801 GM PUSH-TYPE RETAINER	A-20191 FORD PUSH TYPE RTRN 16MM HD DIA 18MM LOTH	A-20349 NISSAN BUMPER CLIP PUSH TYPE RETAINER	A-20923 FORD & MAZDA PUSH TYPE RETAINER		
A-21173 ACURA & HONDA PUSH TYPE RTRN BLK BUMPER & SPLASH SHIELD						



IBS, INCORPORATED

Automotive Nylon Screw Grommets & Nuts X04

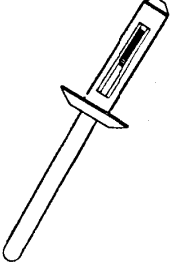
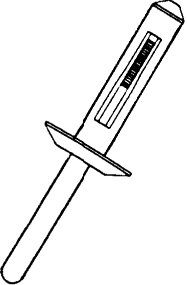
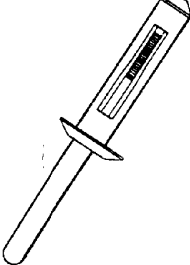
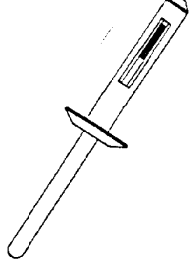
Screw Grommets & Nuts

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

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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		



IBS, INCORPORATED

Automotive Rivets & Fasteners X05

Body Hardware

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 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-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-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-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-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-12336 11503632 Black Polyseal M8-1.25 x 25mm Hex Washer Head Class 9.8 3mm Hex (No Sems®) 17mm (21/32") Washer Head O.D. GM PKG QTY: 25
 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-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-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-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-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-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-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-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-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
 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		

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.



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

Phillips Bit Chart

This chart will help you match the screw size to the proper Phillips bit.

Phillips Pan and Oval Head Tapping Screws - Black Oxide

POINT #6 - FOR SCREWS #6 & #8
POINT #8 - FOR SCREWS #8, #10 & #12
POINT #10 - FOR SCREWS #10, #12 & #14
POINT #12 - FOR SCREWS #12, #14 & #16

Assortment 767R					
A-16889 6 X 3/8 PHIL PAN HD T/S B/O 	A-11917 6 X 1/2 PHIL PAN HD T/S B/O 	A-11918 6 X 3/4 PHIL PAN HD T/S B/O 	A-11919 6 X 1 PHIL PAN HD T/S B/O 	A-10180 8 X 1/2 PHIL PAN HD T/S B/O 	A-10181 8 X 3/4 PHIL PAN HD T/S B/O 
A-10182 8 X 1 PHIL PAN HD T/S B/O 	A-10183 8 X 1-1/4 PHIL PAN HD T/S B/O 	A-12799 8 X 1-1/2 PHIL PAN HD T/S B/O 	A-11921 10 X 1/2 PHIL PAN HD T/S B/O 	A-11922 10 X 3/4 PHIL PAN HD T/S B/O 	A-11923 10 X 1 PHIL PAN HD T/S B/O 
A-11924 10 X 1-1/4 PHIL PAN HD T/S B/O 	A-12800 10 X 1-1/2 PHIL PAN HD T/S B/O 	A-12795 6 X 1/2 PHIL OVAL HD T/S B/O 	A-12796 6 X 3/4 PHIL OVAL HD T/S B/O 	A-12797 6 X 1 PHIL OVAL HD T/S B/O 	A-10163 8 X 1/2 PHIL OVAL HD T/S B/O 
A-10165 8 X 3/4 PHIL OVAL HD T/S B/O 	A-10167 8 X 1 PHIL OVAL HD T/S B/O 	A-10169 8 X 1-1/4 PHIL OVAL HD T/S B/O 	A-11084 10 X 1/2 PHIL OVAL HD T/S B/O 	A-11086 10 X 3/4 PHIL OVAL HD T/S B/O 	A-11088 10 X 1 PHIL OVAL HD T/S B/O 



IBS, INCORPORATED

Automotive Screws X05

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



Length	Diameter		Washer Head Dia.	Length
	#8	#10		
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	Head Diam.	Length
	#8		
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	Washer Head Dia.	Length
	#8		
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.



IBS, Inc. SPECIALTY PRODUCTS FOR MAINTENANCE & REPAIR INDUSTRIALMARKET.COM © IBS 2008-2018					
Black Trim Screws					
Assortment No. 345P					
A-10654 #8 X 1-1/4 PHIL OVAL SEMS T/S	A-12820 #8 X 3/4 PHIL PAN SEMS T/S B/O		A-12213 #8 X 1/2 PHIL FLT TOP WASH HD	A-12215 #8 X 3/4 PHIL FLT TOP WASH HD	A-12216 #8 X 1 PHIL FLT TOP WASH HD
A-12953 10 X 3/4 PHIL FLT TOP WASH HD	A-12954 10 X 1 PHIL FLT TOP WASH HD	A-10180 8 X 1/2 PHIL PAN HD T/S B/O	A-10181 8 X 3/4 PHIL PAN HD T/S B/O	A-10182 8 X 1 PHIL PAN HD T/S B/O	A-10183 8 X 1-1/4 PHIL PAN T/S B/O
A-11921 10 X 1/2 PHIL PAN HD T/S B/O	A-11922 10 X 3/4 PHIL PAN HD T/S B/O	A-11923 10 X 1 PHIL PAN HD T/S B/O	A-10163 8 X 1/2 PHIL OVAL T/S B/O	A-10165 8 X 3/4 PHIL OVAL T/S B/O	A-10167 8 X 1 PHIL OVAL T/S B/O
A-11086 10 X 3/4 PHIL OVAL T/S B/O	A-11088 10 X 1 PHIL OVAL T/S B/O		A-12060 M4.2 X 20 PHIL WASHER HD T/S	A-15375 M4.2 X 20 HEX HD SEMS T/S B/O	A-12339 M6.3 X 25 HEX HD SEMS T/S B/O

Metric Body Hardware Assortment

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



IBS, Inc. SPECIALTY PRODUCTS FOR MAINTENANCE & REPAIR INDUSTRIALMARKET.COM © IBS 2008-2018					
Metric Body Hardware					
Assortment No. 346P					
	A-13613 M8 X 25 HEX HEAD SEMS T/S	A-12236 M8 X 25 HEX WASHER HD T/S	A-15780 M8 X 33 HEX HD SEMS T/S DOG PT		A-11641 M10 X 40 HEX HD SEMS T/S
A-11709 M8 1.25 HEX FLANGE LOCKNUT 17MM FLANGE	A-15334 M8 1.25 FREE SPINNING WASHER	A-12667 M8 1.25 GM "U" NUT	A-11630 M8 1.25 GM/FORD U NUT		A-15337 M10 1.5 FREE SPINNING WASHER
A-12065 M6 X 25 HEX HEAD SEMS T/S	A-15818 M6 X 30 HEX HD SEMS T/S DOG PT		A-12160 M6 X 22 HEX HD SEMS T/S DOG PT	A-16893 M6 X 28 HEX HD SEMS T/S DOG PT	A-11631 M10 1.5 GM U NUT
A-18251 HEX FLANGE LOCKNUT M6-1.0 THREAD	A-15329 M6 1.0 FREE SPINNING WASHER	A-12669 M6 1.0 GM/FORD "U" NUT	A-12575 M6 1.0 GM "U" NUT		A-13619 M10 X 30 HEX HD SEMS T/S



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-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-18024 Zinc / Thread M14-1.25 Hex: 13mm Length Under Head: 16mm Fits the following applications: Jeep 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-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-18121 Oversize Oil Pan Drain Plug with Fibre Gasket Zinc & Yellow Self-Tapping Thread 1/2-20 Double Oversize PKG QTY: 5
 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-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-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
	 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	



IBS, INCORPORATED

Automotive Truck Oil Drain Plug Gaskets X09

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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



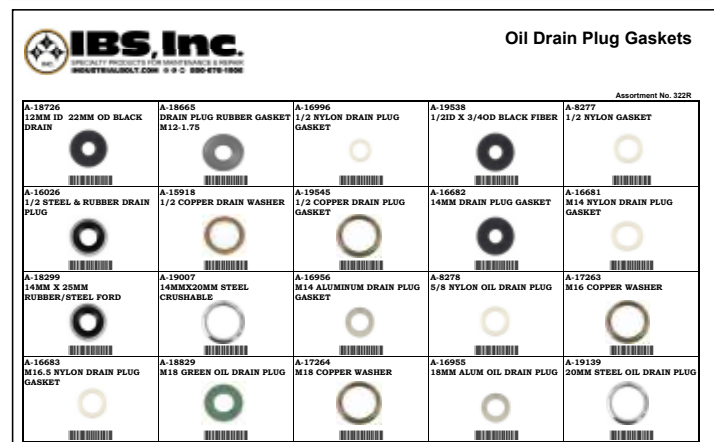
Automotive Drain Plugs

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.



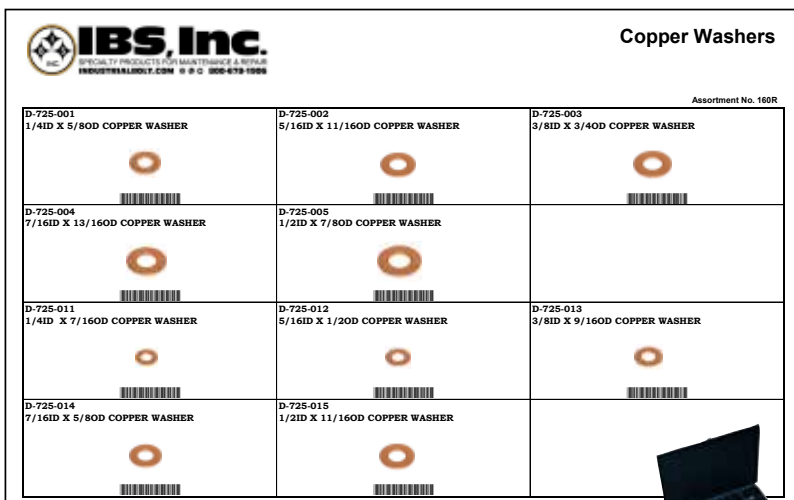
Copper Washers

Copper Washer Assortment (Z02)

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



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





IBS, INCORPORATED

Automotive Specialty Nuts X06

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	

IBS, INCORPORATED

Automotive Expansion Plugs X07



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

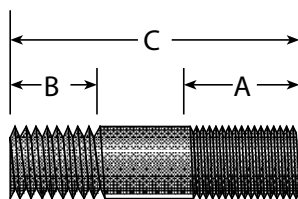
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IBS, INCORPORATED

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.

IBS, Inc. SPECIALTY PRODUCTS FOR MAINTENANCE & REPAIR INDUSTRIALDRIFT.COM © © © 800-678-1990		Universal Studs Black Oil Finish High Carbon - Heat Treated Assortment No. 119R			
A-9668 1/4-28X1/2 X 1/4-20X1/2 OL 1-1/4 STUD	A-9669 1/4-28X3/4 X 1/4-20X1/2 OL 1-1/2 STUD	A-9670 1/4-28X1 X 1/4-20X1/2 OL 2" STUD	A-9673 5/16-24X1/2 X 5/16-18X3/8 OL 1" STUD	A-9675 5/16-24X5/8 X 5/16-18X3/4 OL 1-1/2 STUD	A-9690 3/8-24X2 X 3/8-16X5/8 OL 3" STUD
A-9677 5/16-24X1 X 5/16-18X9/16 OL 2" STUD	A-9683 3/8-24X3/4 X 3/8-16X1/2 OL 1-1/2 STUD	A-9684 3/8-24X3/4 X 3/8-16X1/2 OL 1-3/4 STUD	A-9686 3/8-24X1 X 3/8-16X5/8 OL 2" STUD	A-9699 7/16-20X3/4 X 7/16-14X9/16 OL 1-3/4" STUD	
A-9701 7/16-20X7/8 X 7/16-14X3/4 OL 2" STUD	A-9712 7/16-20X1-3/8 X 7/16-14X3/4 OL 2-1/2 STUD	A-9715 7/16-20X1-13/16 X 7/16-14X3/4 OL 3 STUD		A-9727 1/2-20X3/4 X 1/2-13X3/4 OL 1-7/8 STUD	A-9745 5/8-18X1-1/4 X 5/8-11X1 OL 3" STUD
A-9731 1/2-20X1 X 1/2-13X3/4 OL 2-1/2 STUD	A-9732 1/2-20X2 X 1/2-13X3/4 OL 3" STUD	A-9739 9/16-18X1-1/4 X 9/16-12X1 OL		A-9744 5/8-11X1-1/2 X 5/8-11X13/16	



IBS, INCORPORATED

Automotive Miscellaneous Items X11



Nylon Tees & Connectors

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

 Nylon Connectors and Vacuum Caps							
Assortment No. 301P							
A-12929 1/8 STRT VACUUM CONNECTOR	A-12937 3/16 X 3/16 NYLON VACUUM CONN	A-12931 1/4 X 1/4 NYLON VACUUM CONN	A-12946 5/16 X 5/16 NYLON VACUUM CONN	A-12934 3/8 X 3/8 NYLON VACUUM CONN	A-12930 1/8X3/16 NYLON VACUUM CONN	A-12936 1/8 X 1/4 NYLON VACUUM CONN	A-12935 3/16 X 1/4 NYLON VACUUM CONN
							
A-12923 1/8 NYLON VACUUM CONN	A-12918 3/16 NYLON VACUUM CONN	A-17629 1/4 NYLON VACUUM TEE	A-12920 5/16 NYLON VACUUM CONN	A-12925 3/8 NYLON VACUUM CONN			A-12927 3/16 VACUUM "Y" CONNECTOR"
							
A-12209 1/8 HI-TEMP RUBBER VACUUM CAP	A-19000 3/16 HI-TEMP RUBBER VACUUM CAP	A-19001 1/4 HI-TEMP RUBBER VACUUM CAP	A-19003 3/8 HI-TEMP RUBBER VACUUM CAP				A-11419 3/16 4-WAY VACUUM CONN
							
A-12916 1/8X3/16X1/8 NYLON VACUUM CONN	A-12919 1/4X3/16X3/16 NYLON VACUUM CONN	A-12926 3/16X3/16X1/8 NYLON VACUUM CONN	A-12921 3/8X3/8X1/4 NYLON VACUUM TEE				A-12949 3/16 SWAY VACUUM CONNECTOR
							





IBS, INCORPORATED

Automotive Pigtails X11

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)

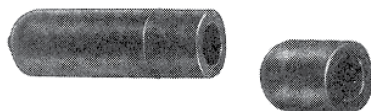
Mechanics Wire



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

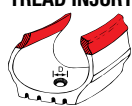
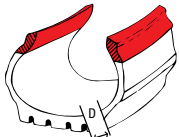
Hi-Temp Rubber Vacuum Caps

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

GOI RADIAL APPLICATION CHART

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



IBS, INCORPORATED

Automotive Tire Repair X13

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****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



IBS, INCORPORATED

Automotive Tire Repair X13



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

IBS, INCORPORATED

Automotive Tire Repair X13



Valve Accessories & Tools

VALVE CAPS & CORES (TPMS Compatible)



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



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.



METAL EXTENSIONS, PASSENGER

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



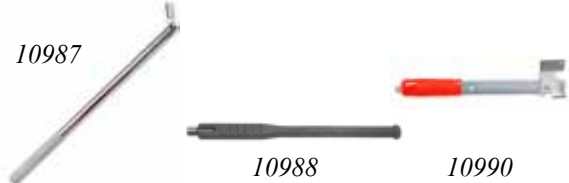
VALVE CORE REMOVER TOOLS

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



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



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



IBS, INCORPORATED

Wheel Weights X14

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

Coated Protection

Perfect Equipment zinc wheel weights are premium coated, giving them the corrosion protection you need and better matching today's rim styles.

No Rust

Zinc is a non-ferrous metal and is a natural anti-corrosive element. Zinc wheel weights will never rust, unlike other non-lead options.



Less Scratches

Zinc is a very strong, but soft metal. With proper installation, zinc wheel weights are less likely to scratch the rim during installation.

Custom Fit

Zinc wheel weights are a cast part which features the same contoured shape as traditional lead weights. This allows for an easier transition and a seamless look on the wheel.



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

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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
- Coated
- For Alloy Wheels
- OEM Approved
- Ounces & Grams
- 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
- Coated
- For Alloy Wheels
- OEM Approved
- Grams Only
- 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
- Coated
- For Alloy Wheels
- OEM Approved
- Grams Only
- 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
- Coated
- For Alloy Wheels
- OEM Approved
- Grams Only
- 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
- Coated
- For Steel Wheels
- OEM Approved
- Ounces & Grams
- 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



IBS, INCORPORATED

Assortments (Z06)

Wheel Weight Assortment

Arranged in a 40 hole metal bin
IBS No. 857P • 40 Items • 181 Pcs.



Wheel Weights

Assortment No. 857P

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

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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 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 Low profile: 0.1875" x 0.75"	48



IBS No.	Description	Qty
20407	Steel Weight, 1/4 oz segments, 3 oz strip, 12 segments per strip — 52 strips per box, 624 segments 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

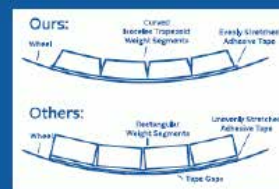
Unmatched Quality
Our steel wheel weights are OEM preferred in North America.

We Provide Options
Our steel adhesives are available in a variety of sizes and styles.



Patented QuikTab®
Nearly all of Perfect Equipment's adhesive wheel weights feature the patented QuikTab®. Invented to increase efficiency, the protective tape backing is slightly wider than the weight, making the removal process easier. Just grab the edge and pull, it's that simple.

Patented Shape
Perfect Equipment steel adhesive wheel weights feature a patented isosceles trapezoid single segment design, allowing the technician to more easily contour the weight to the wheel when installing.



Coated Protection
Our OEM steel wheel weights come standard with a 10-year anti-corrosion protection coating to prevent unwanted and unsightly brown rust.



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 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



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