



A

Absorbent Mats	D-4
Adapters	P-14
Adhesive	L-14
Adhesive - Black	L-14
Adhesive Sealant	L-4
AEP Wrap	K-1
AFH 2 Heavy Duty In-Line Panel Mount Fuse Holder	H-4
Air Brake Fittings For Copper Tubing	A-11
45 Degree Male Elbow	A-11
90 Degree Male Elbow	A-11
Male Connector	A-11
Nut	A-11
Sleeve	A-11
Union	A-11
Air Brake Fittings For Rubber Hose Sleeve	A-11
Connector	A-11
Connector With Spring Guard	A-11
Hose Mender	A-11
Nut	A-11
Rubber Air Brake Tubing	A-11
Sleeve	A-11
Air Saw Blades	J-16
Air Tool Oil	L-9, L-10
Allen Head Set Screws	P-18
Allen Wrenches	P-20
Alligator Clips	C-13
All Thread	Q-9
Alumaseal	L-6
Aluminum/Aluminum Rivets	I-2
Aluminum/Steel Rivets	I-2
Aluminum Flap Discs	K-7
Aluminum Roof Repair Tape	D-2
Aluminum Sleeves	N-9
Aluminum Stops	N-9
Anaerobic Gasket Maker	L-3
Anchors	O-3, O-4, O-5, O-6
Drive Wall Grips	O-5
Drop In Anchors	O-6
E-Z Anchors	O-3
Nylon Anchors	O-3
Nylon Screw Anchors	O-5
Plastic Anchors	O-5
Ribbed Plastic Anchors	O-5
Screw Anchors	O-5
Toggle Bolt Heads	O-5
Toggle Bolts	O-5
Toggler Brand Screw Anchors	O-5
Wall Grabbers	O-4

Wall Grips.....O-3

Wedge Anchors.....O-3

Annular Cutters.....J-10

Anti-Seize Lubricant.....L-5

Arbors.....J-17

Armor All

Automotive Acrylic Foam Tape

Automotive Fuses

Automotive Fuses Assortment

Automotive Primary Wire

 10 Gauge.....E-1

 12 Gauge.....E-1

 14 Gauge.....E-1

 16 Gauge.....E-1

 18 Gauge.....E-1

 8 Gauge.....E-1

Aviation Form A Gasket.....L-3

B

Ball Valve

Barb Tite Hose Ends

 Hose Mender

 Inverted Male Swivel

 J. I. C. Swivel

 Male Pipe

 S. A. E. Swivel

Batteries

Batter Starter Cable

 1/O

 1 Gauge

 2/O

 2 Gauge

 3/O

 4/O

 4 Gauge

 6 Gauge

Battery Cable Bolt

Battery Cleaner

Battery Terminal Protector

Battery Terminals

 Assortment

 Battery Cable Bolt W/ Shoulder Nut

 Bolt Type

 Copper Battery Lugs

 Copper Crimp Battery Terminal

 Fusion Solder Connectors

 Marine Style

 Post Extender

 Side Terminal

 Solderless Battery Terminals

Starter Lugs	G-1	Body Bolts	P-10
Bayonet Blades	J-16	Hex Washer Head Body Bolt.....	P-10
Bell Caps.....	C-4	Bolts P-1, P-2, P-10, Q-3, Q-4	
Bin S-8, S-9, S-10		Carriage Bolts	P-3
Bit Holder.....	P-14	Carriage Bolts - Gr. 5.....	P-3
Bit Tips.....	P-13, P-14	Elevator Bolts	P-3
Adapters.....	P-14	Eye Bolts	P-13
Bit Holder	P-14	Flange Bolt	P-2
Clutch Bits	P-14	FLange Bolts	Q-10
Magnetic Nut-setters	P-14	Frame Bolts	Q-10
Phillips Insert Bits	P-14	Grade 5	Q-6, Q-7
Phillips Power Bits	P-14	Grade 5 Assortment	T-20, T-21
Slotted Insert Bits	P-14	Grade 8 Alloy	Q-3, Q-4
Slotted Power Bits	P-14	Grade 8 Alloy Assortment	T-22
Socket Head Insert Bits	P-13	Hex Washer Head Body Bolt.....	P-10
Square Insert Bits	P-14	Metric 8.8	R-1, R-2
Torx Insert Bits	P-13	Metric Bolts 10.9	R-4
Black Gasket Maker.....	L-4	PFC 9	Q-1
Black Pipe Fittings.....	B-1, B-2	Serrated Flange Bolt.....	P-2
45 Degree Elbow - Female	B-2	Step Bolts.....	P-1
45 Degree Street Elbows	B-1	Tap Bolts.....	P-2
90 Degree Elbow - Female	B-1	Tap Bolts - Grade 5.....	P-1
90 Degree Street Elbow	B-2	Bonded Sealing Washer	P-6
Assortment.....	T-24	Bottom Rail Kit.....	P-2
Caps	B-1	Brake Fluid.....	L-9
Close Steel Nipples.....	B-1	Brake & Parts Cleaner	L-6, L-7
Countersunk Plugs.....	B-1	Brake Fluid.....	L-9
Cross	B-2	Brass Air Brake Fittings For Nylon Tubing	A-9, A-10
Ground Joint Union	B-1	45 Degree Male Elbow	A-9
Hex Bushings.....	B-1	90 Degree Male Elbow	A-10
King Nipple	B-2	Assortment.....	T-3
Nipples.....	B-2	Bulk Head	A-9
Reducing Coupling	B-1	Bulk Head Union	A-9
Square Head Solid Plugs	B-1	DOT Inserts	A-10
Standard Merchant Coupler.....	B-1	Female Connector.....	A-10
Street Tees.....	B-2	Inserts - Press In	A-10
Tees-Female.....	B-1	Male Branch Tee.....	A-10
Y Fitting.....	B-2	Male Connector	A-10
Black Wire Ties.....	F-1	Male Run Tee.....	A-10
Blade Circuit Breakers.....	H-2	Nut	A-10
Blades.....	J-16	Nylon Air Brake Tubing	A-9
Bayonet Blades	J-16	Sleeve	A-10
Blades for Bosch Jig Saws	J-16	Tube Bulk Head	A-9
Hand Hack Saw Blades	J-16	Union	A-9
Jig/Sabre Saw Blades	J-16	Union Elbow 90 Degree	A-10
Lenox Gold Demolition.....	J-16	Union Tee	A-10
Lenox Gold Heavy Metal Cutting	J-16	Brass Inverted Flare Fittings	A-2, A-3
Lenox Gold Sawzall Blades	J-16	45 Degree Male Elbow	A-2
Reciprocating Blades.....	J-16	Female Connector.....	A-2
Blades for Bosch Jig Saws.....	J-16	Male Connector	A-2

Male Elbow	A-2
Standard Nut (Steel)	A-3
Union	A-3
Brass Pipe Fittings	
45 Degree Street Elbow	A-1
Adapter	A-1
Allen Head Plugs.....	A-1
Cap.....	A-1
Close Nipple	A-2
Coupling	A-1
Elbow.....	A-1
Hex Bushings.....	A-1
Hex Head Plug.....	A-2
Hex Nipple.....	A-1
Male Branch Tee.....	A-2
Nipple	A-2
Reducing Coupling.....	A-1
Square Head Plug	A-1
Street Elbow	A-2
Street Tee	A-1
Tee	A-1
Brass Push-in Tube Fittings	A-4
90 Degreee Union.....	A-4
Assortment.....	T-18
Branch Tee.....	A-4
Female Connector.....	A-4
Male Connector	A-4
Male Elbow	A-4
Male Elbow 45 Degree	A-4
Male Run Tee.....	A-4
Swivel Male Elbow	A-4
Tee	A-4
Union Connector	A-4
Brass Tube Fittings For Plastic Fittings	A-3
Male Connector	A-3
Male Elbow	A-3
Nut	A-3
Nut and Sleeve.....	A-3
Sleeve Only	A-3
Union	A-3
Union Tee	A-3
Bristle Discs	L-14, L-16
Brushes	
Scratch Brush.....	K-1
Wire Brush.....	K-1
Bud Nuts	P-21
Bulk Head	A-9
Bully Jobber Length Bits	J-4
Bushings.....	K-3
Button Head Cap Screws	P-17

C	
Cabinet	S-8
Cap Plugs	K-3
Cap Plugs Assortment	T-9
Carb Cleaner	L-6
Carriage Bolts	P-3
Castle Nuts	P-5
Chain Couplers.....	N-8
Chain Coupling Links	N-8
Chain Hooks.....	N-8
Clevis Grab	N-8
Clevis Grab Domestic.....	N-8
Coupling Links	N-8
Grab Type	N-8
Slip Hooks	N-8
Chain Repair Links	N-8
Chemicals - Adhesives	L-1
Cold Weld Bonding Compound.....	L-1
Fast Cure Epoxy	L-1
Heavy Duty Spray Adhesive	L-1
Metal Filler	L-1
Perma Poxy Syringes.....	L-1
Rearview Mirror Adhesive	L-1
Spray Adhesive	L-1
Super Glue	L-1
Windshield Repair Kit	L-1
Chemicals - Cleaners	L-7
Aqueous Based Degreaser.....	L-7
Armor All.....	L-7
Battery Cleaner	L-7
Brake & Parts Cleaner	L-6
Chlorinated Brake & Parts Cleaner	L-7
Citrus All-Purpose Cleaner.....	L-7
Citrus Foam	L-7
Clean & Fresh.....	L-7
Electronic Cleaner	L-7
Engine Degreaser.....	L-7
Glass & Mirror Cleaner	L-7
Glass Cleaner	L-7
Non Chlorinated Brake & Parts Cleaner	L-7
Scrubs In A Bucket	L-7
Chemicals - Gasketing	L-3, L-4
Anaerobic Gasket Maker	L-3
Aviation Form A Gasket #3 Sealant	L-3
Black Silicone Adhesive Sealant	L-4
Clear RTV Silicone Adhesive Sealant	L-3
Copper Spray A Gasket High Temp Adhesive Sealant.	L-4
Form A Gasket #1 Sealant	L-3
Form A Gasket #2 Sealant	L-3



High Temp RTV Silicone Gasket	L-4
RTV Silicone Gasket Maker.....	L-3
Sensor-Safe Blue RTV Silicone Gasket	L-3
Sensor-Safe High-Temp RTV Silicone Gasket.....	L-4
Ultra Black Gasket	L-4
Ultra Black Gasket Maker.....	L-4
Ultra Blue RTV Silicone Gasket	L-4
Ultra Copper RTV Silicone Gasket	L-4
Chemicals - Hand Cleaners.....	L-11
Fast Orange Hand Cleaner.....	L-11
Fast Orange Hand Cleaner With Pumice	L-11
Joe's All Purpose Hand Cleaner	L-11
Joe's Citrus Blue.....	L-11
Joe's Hand Scrub	L-11
Chemicals - Lubricants	L-8, L-9, L-10
Air Tool Oil	L-9, L-10
Brake Fluid	L-9
Compressor Oil.....	L-9
Cutting Lubricant.....	L-9
Cutting Oil	L-9
Cutting Tool Lubricant	L-8
Decal & Sticker Remover.....	L-8
Disc Brake Quiet	L-9
Dry Graphite Lube.....	L-9
Extends Tool Life	L-8
Garage Door Lube	L-8
Heavy Duty Silicone.....	L-8
Hydraulic & Jack Oil.....	L-9
Lithium Grease	L-9
Lube Tube	L-10
Lubriplate 105	L-10
Marvel Mystery Oil	L-10
Mega Foamcut Cutting Fluid.....	L-10
Mystery Air Tool Oil	L-10
PB Penetrating Catalyst.....	L-8
Penetrating Oil.....	L-9
Power Lube.....	L-8
Power Steering Fluid	L-9
Silicone Spray Lubricant	L-10
Thread Cutting Lubricant	L-9
Ultra Slick.....	L-10
WD-40	L-8
Wheel Bearing Grease.....	L-10
White Lithium Grease	L-8
Chemicals - Miscellaneous	L-11, L-12
Battery Terminal Protector	L-11
Diesel 911	L-12
Dust & Lint Remover	L-12
Heet.....	L-12
Rubberized Undercoating	L-12
Starting Fluid	L-12
Stripped Thread Repair.....	L-12
Surface Prep Activator.....	L-11
Chemicals - Sealants	L-5
Alumaseal	L-6
Anti-Seize Lubricant	L-5
Anti-Sieze Lubricant	L-5
Dielectric Grease	L-5
High Tack Gasket Sealant.....	L-5
High Temp Thread Sealant	L-5
JB Weld.....	L-5
Lubricating Compound.....	L-5
Super High Tack Gasket Sealant	L-5
Thread Sealant	L-5
Thread Sealant With Brush Top.....	L-6
Thread Sealant With Teflon	L-5
Chemicals - Thread Lockers	L-2
Gel Blue.....	L-2
Gel Red.....	L-2
High StrengthSleeve Retainer	L-2
High Strength Thread Locker Red.....	L-2
Medium Strength Thread Locker Blue	L-2
Penetrating Grade Thread Locker Green.....	L-2
Chisels	I-8
Chlorinated Brake & Parts Cleaner.....	L-7
Circuit Breakers	H-2, H-3
W/Mounting Bracke	H-2
Clips & Pins	N-3
Citrus All-Purpose Cleaner	L-7
Citrus Foam.....	L-7
Clamps	F-2
Clean & Fresh	L-7
Clevis Pins	N-7, N-8
Assortment.....	T-9
Universal Clevis Pins Drilled for Cotter Pins.....	N-8
Clips & Pins	N-3
Hair Pin Retainers.....	N-3
Cobalt Heavy Duty Drill 135 Degree Split Point	J-5
Compression Type Brass Tube Fittings	A-8
Connector	A-8
Female Connector.....	A-8
Long Nut.....	A-8
Male Branch Tee	A-8
Male Elbow	A-8
Male Run Tee	A-8
Nut	A-8
Sleeve	A-8
Union	A-8
Union Elbow	A-8
Union Tee	A-8
Compressor Oil	L-9



Concrete Screw		Dielectric Grease.....	L-5
Flat Head	O-6	Dies J-11, J-12	
Hex Head.....	O-6	Diesel 911	L-12
Conspicuity Tape.....	F-3	Disc Brake Quiet.....	L-9
Copper Battery Lugs.....	G-1	Disc Pad Assembly	L-14
Copper Crimp Battery Terminal	G-1	Dome Head Rivets	I-2
Copper Spray A Gasket High Temp Adhesive Sealant	L-4	Double Ended Drill Bits W/135 Degree Split Point	J-6
Copper Stops.....	N-9	Drain & Shut-Off Cocks	A-9
Cotter Pins.....	N-4	Angle Bib.....	A-9
Cotter Pins Assortment	T-4, T-10	Compression Angle	A-9
Countersinks	J-9	Drain Cock.....	A-9
Countersunk Rivets.....	I-2	External Seat.....	A-9
Countersunk Tooth Star Washers	P-6	Ground Plug Drain	A-9
Countersunk Washers.....	N-10	Pipe Shut Off	A-9
Couplers	K-2	Drill Bits	
Universal.....	K-2	Cobalt Heavy Duty Drill 135 Deg Split Point.....	J-5
Coupling Links.....	N-8	Double Ended Drill Bits W/135 Degree Split Point.....	J-6
Coupling Nuts	P-5	H.S. Left Hand Jobber Drill Bits	J-8
Crayons	K-1	Jobber Length 118 Degree Point	J-6
Crimping Tool	G-2	Jobber Length 135 Degree Split Point.....	J-6, J-7
Crosslink Wire	E-2	Masonry Drill Bits Carbide Tipped	J-9
10 Gauge.....	E-2	Mechanics Length Super Premium Drills	J-5
12 Gauge.....	E-2	Silver & Deming Drill Bits - 1/2" Flattened Shank	J-8
14 Gauge.....	E-2	Spade Bits	J-9
16 Gauge.....	E-2	Stubby Drill Bit 135 Degree Split Point.....	J-7
Cut Off Wheels	K-8, L-15	Thunder Bits Heavy Duty Jobber Length Drills 135O Split Point	J-4
Cutters	I-8	Woodboring Bits.....	J-9
Cutting Lubricant.....	L-9	Drill Sets	
Cutting Oil	L-9	Cobalt	J-5
D		Lettered Bits	J-6
Decal & Sticker Remover	L-8	Mechanics Length	J-5
Decimal Equivalent Chart.....	J-2, J-3	Numbered Bits	J-6
Deck Screws.....	P-11	Thunderbits	J-4
Delphi Connectors		Drill & Tap Chart	J-1
56 Series	C-14	Drill Bits.....	J-4, J-5, J-6, J-7, J-8, J-9
280 GT Series	C-16	12" Aircraft Drill Bits.....	J-8
280 Series	C-14, C-15	6" Aircraft Drill Bits.....	J-8
480 Series	C-17	Bully Jobber Length Bits	J-4
630 Series	C-16, C-17	Reamers	J-8
Deutsch Connectors	C-21, C-22, C-23	Reduced Shank Drill Bits	J-8
Assortment.....	T-19	Vari Bits	J-8
Connectors	C-20	Drills J-10	
Hole Punch	C-18	Drill Sets	
Panel Nut	C-19	Bully Sets.....	J-4
Pin.....	C-19	Thunderbits	S-7
Removal Tools.....	C-18	Drive Rivets	I-5
Sealing Plugs	C-18	Full Brazier Head Multi-Grip.....	I-5
Sockets.....	C-19	Full Brazier Head Standard-Grip.....	I-5
Tools	C-18	Universal Head Multi-Grip.....	I-5



Drive Wall Grips	O-5	Fender Washers - Heavy Duty	N-10
Drop In Anchors.....	O-6	Fix-A-Thread	J-13
Dry Graphite Lube	L-9	Flange Bolt.....	P-2
Drywall Screws.....	P-11	Flange Bolts	Q-10
Duct Tape	D-1	Flange Nut.....	P-2
Dust & Lint Remover.....	L-12	Flange Nuts	Q-10
Dust Mask	D-3	Flap Discs.....	K-7
E			
Emory Cloth.....	K-4	Aluminum.....	K-7, K-8
Emory Cloth - Heavy Cloth Backed	K-4	Mini Flap Discs	L-15
Expansion Plugs.....	N-3	Type 27	K-7
Concave Cup	N-3	Type 29	K-7
Regular Cup.....	N-3	Flashers	H-3
Shallow Cup	N-3	Flat Socket Head Cap Screws	P-19
Extractors		Flat Washer - Hardened.....	Q-4
Spiral Extractor.....	J-9	Flat Washers	Q-8
Square Extractor	J-9	Floor Screws	P-1
E-Z Anchors	O-3	Countersunk.....	P-1
Ear Plugs	D-3	Pan Head.....	P-1
E Clip Assortment	T-2	Foam Tape.....	L-13
Electrical Components	H-2, H-3	Forklift Battery Connectors	G-2
2 Contact Flat Molded Connector	E-4	Form A Gasket #1 Sealant.....	L-3
4 Contact Flat Molded Connector	E-4	Form A Gasket #2 Sealant.....	L-3
Blade Circuit Breakers	H-2	Form A Gasket #3 Sealant.....	L-3
Circuit Breakers.....	H-3	Frame Bolts	Q-10
Circuit Breakers No Mounting Bracket.....	H-2	Frame Nuts.....	Q-10
Circuit Breakers W/Mounting Bracke.....	H-2	Fuel Line	K-1
Flashers	H-3	Fuse Holder	H-3
Flashers (Electronic).....	H-3	Fuse Holders	H-3, H-4
Fuse Taps	H-3	AFH 2 Heavy Duty In-Line Panel Mount Fuse Holder.....	H-4
Mega Fuses	H-3	FHA 1 In-Line Fuse Holder.....	H-4
PAL-13/16" Bent Male Terminal.....	H-3	FHA 2 Ato Heavy Duty In-Line Fuse Holder	H-4
PAL-Female Type Terminal.....	H-3	FHP1	H-4
PAL-Straight Male Terminal	H-3	FNY1 Universal.....	H-3
Self Stripping Fuse Holder	H-3	Fuse Holders W/ Protective Caps	H-4
Electrical Tape.....	D-1	Glass Fuses	H-3
Electronic Cleaner.....	L-7	Maxi Fuse Block.....	H-4
Elevator Bolts.....	P-3	Maxi Fuse Holder With Protective Cap.....	H-4
Engine Degreaser.....	L-7	Mega Fuse Block	H-3
Eye Bolts.....	P-13	Midi Fuse Block	H-3
EZ Strip Wheels	K-8	Mini Fuse holder W/ Protective Cap	H-4
F			
Fast Cure Epoxy.....	L-1	Fuse Holders W/ Protective Caps	H-4
Fast Orange Hand Cleaner	L-11	Fuse Holder Universal	H-3
Fast Orange Hand Cleaner With Pumice	L-11	Fuses	H-1
Fast Orange Pumice Cream Formula Hand Cleaner.....	L-11	Assortment.....	T-11
Fender Washers	N-10	ATO	H-1
		ATO Lighted	H-1
		ATO Low Profile	H-1
		Glass Fuses	H-1
		Maxi.....	H-1
		Midi Fuses	H-3



Mini	H-1	Hack Saw Blades	J-16
Mini Lighted.....	H-1	Hair Pin Retainers	N-3
Fusion Solder Connectors	G-1	Hair Pins.....	N-5
G			
Garage Door Lube.....	L-8	Halogen Headlight Lamps	H-2
Gasket Remover.....	L-6	Halogen Lamps	H-2
Gate Valves	A-17	Hand Swagers	N-9
Gladhands	A-17	Hardened Flat Washers	Q-4
Gladhand Seals.....	A-17	Hardened Lock Washer	Q-4
Glass & Mirror Cleaner	L-7	Heater Hose.....	K-1
Glass Cleaner	L-7	Heater Hose Nipples	A-12
Glass Fuse Holder	H-3	90 Degree Nipple.....	A-12
Glass Fuses.....	H-1	Straight Nipple.....	A-12
Gloves	D-2	Heat Shrink	F-3
Jersey Brown Gloves	D-2	Assortment.....	T-12, T-19
Latex Gloves.....	D-3	Black Heat Shrink.....	F-3
Leather Palm Work Gloves.....	D-2	Black Heat Shrink With Sealant Heavy Wall	F-3
Lined Leather Palm Work Gloves	D-2	Color Heat Shrink.....	F-3
Lined Pigskin Mechanics Glove.....	D-2	Heat Shrink With Sealant	F-3
Pigskin Mechanics Glove	D-2	Red Heat Shrink With Sealant Heavy Wall	F-3
Glues	L-13	Tinted Heat Shrink.....	F-3
Accelerator	L-13	Heat Shrink Connectors	C-6, C-7
Hot Stuff	L-13	Assortment.....	T-11
Special "T"	L-13	Blue Butt.....	C-6
Super Solvent.....	L-13	Blue Female Fully Insulated Quick Slide.....	C-7
Super "T".....	L-13	Blue Female Quick Slide.....	C-7
UFO Thin.....	L-13	Blue Female Snap Plug	C-6
Grade 8 Hex Nuts.....	Q-4	Blue Male Fully Insulated Quick Slide	C-7
Grade C All Metal Lock Nuts	Q-5	Blue Male Quick Slide	C-7
Grease - 5th Wheel.....	L-10	Blue Male Snap Plug	C-6
Grease Coupler.....	O-2	Blue Ring.....	C-7
Grease Fitting Installation and Removal Tools.....	O-1	Blue Spade.....	C-6
Grease Fittings	O-1, O-2	Red Butt.....	C-6
1/4"-28 Self Threading Fittings	O-1	Red Female Fully Insulated Quick Slide	C-7
1/4"-28 Thread.....	O-1	Red Female Quick Slide	C-7
1/4" Pipe Tread Fittings.....	O-1	Red Male Fully Insulated Quick Slide	C-7
1/8" Pipe Thread.....	O-1	Red Male Quick Slide	C-7
1/8" Pipe Thread.....	O-1	Red Ring.....	C-7
Assortment.....	T-4	Red Spade	C-6
Button Head Fittings.....	O-1	Yellow Butt.....	C-6
Drive Type Fittings	O-1	Yellow Female Fully Insulated Quick Slide	C-7
Grease Gun.....	O-2	Yellow Female Quick Slide	C-7
Grease Joint Rejuvenator	O-2	Yellow Male Fully Insulated Quick Slide	C-7
Grinding Wheels	K-8	Yellow Male Quick Slide.....	C-7
EZ Strip Wheels.....	K-8	Yellow Ring	C-7
GT Stover Lock Nuts	Q-10	Yellow Spade	C-6
H			
Heavy Duty Silicone	L-8		
Heavy Hex Nuts	Q-8		
Heet	L-12		



Helicoils	J-13	3/8" Attachments	S-1
Hex Crimp.....	G-2	3/8" Drive 6-Point	S-1
Hex Crimp Jr.....	G-2	3/8" Drive 12-Point	S-1
Hex Dies.....	J-12	Tire & Wheel Service	S-6
High Nuts	P-5	Tork Sockets	S-7
Hitch Pins.....	N-7	Torx Sockets 3/8" Drive	S-7
Hole Hog Expansion Set.....	J-9		
Hole Saws	J-17		
Arbors	J-17		
Hooks	N-8	Jam Nuts.....	P-6
Clevis Grab.....	N-8	JB Weld	L-5
Clevis Grab Domestic.....	N-8	Jig/Sabre Saw Blades	J-16
Coupling Links	N-8	Jobber Length 118 Degree Point.....	J-6
Grab Type	N-8	Jobber Length 135 Degree Split Point	J-6, J-7
Slip Hooks	N-8	Joe's All Purpose Hand Cleaner.....	L-11
Hose Barbs	A-12	Junction Box	E-4
90 Degree.....	A-12		
Hose To Female Pipe	A-12		
Hose To Hose Coupler.....	A-12		
Hose To Male Pipe	A-12		
Hose Clamp Racks.....	S-10		
Hose Clamps	N-1, N-2	K	
Assortment.....	N-1	Keenserts.....	J-14, J-15
Constant Torque Hose Clamps	N-2	Heavy Duty	J-15
Full Size.....	N-1, N-2	Thin Wall	J-14
Miniatures.....	N-1	Kep Nuts	P-6
T-Bolt Clamps.....	N-2	Keystock	Q-10
Hose Protectors	K-4	Keystock Rack	S-9
Huck Bolts	I-9	Keyston	L-1
Collars.....	I-9	King Nipple.....	B-2
Huck Pins.....	I-9		
Hydralink Terminals	C-10	L	
Bell Caps	C-10	Lag Bolts	P-1
In-Line Butt Connectors	C-10	Lag Screws.....	P-1
Hydraulic & Jack Oil	L-9	Lag Shields.....	O-3
Hydraulic Hose Protector.....	K-1	"Long"	O-3
Hydraulics	A-16	"Short"	O-3
Female 37 Degree Flare (JIC) Swivel	A-16	Lap Links	N-8
Hose	A-16	Large Guage Terminals	C-10
Male 37 Degree Flare(JIC) Swivel.....	A-16	Blue Large Gauge Butt	C-10
Male Pipe Rigid.....	A-16	Blue Large Gauge Rings.....	C-10
		Red Large Gauge Butt	C-10
		Red Large Gauge Rings.....	C-10
		Yellow Large Gauge Butt	C-10
I		Latex Gloves	D-3
Impact Sockets		Latex 15 Mil	D-3
1/2" Drive 6-Point	S-2	Latex 5 Mil	D-3
1" Attachments	S-5	Nitrile 4 Mil	D-3
1/2" Attachments	S-2	Nitrile 8 Mil	D-3
3/4" Attachments	S-3	Lectra-Motive Cleaner	L-6
3/4" Drive 6-Point	S-3	License Plate Fasteners	N-9
3/4" Socket Sets.....	S-4	Light Bulbs.....	H-2
		Miniature Bulbs	H-2
		Shop Bulbs.....	H-2



Linerless Splicing Tape	D-1	Metric Bolts 8.8 Assortment	T-7, T-21
Liner Screws	P-12	Metric Cap Screws	R-1
Liquid Electrical Tape	L-12	Metric Dies	J-12
Lithium Grease	L-9	Metric Flat Washers	R-3
Lock Pins	N-6	Metric Hex Nuts	R-2
Double Wire	N-6	Metric Hex Nuts 10.9	R-4
Grooved Single Wire Style(Snap Lock)	N-6	Metric Lock Washer	R-3
Tab-Lock Style (Double Wire)	N-6	Metric Nylon Lock Nuts	R-2
Tab-Lock Style (Single Wire)	N-6	Metric Phillips Pan Head Machine Screws	R-3
Lock Washer - Hardened	Q-4	Metric Phillips Pan Head MS Assortment	T-13
Lock Washers	Q-8	Metric Slotted Pan Head Machine Screws	R-3
Low Profile ATO Fuses	H-1	Metric Spring Washer	R-3
Lube Tube	L-10	Metric Taps	J-12
LubricatingCompound	L-5	Metric Washers	R-4
Lubriplate 105	L-10	Lock Washers	R-4
Lynch Pins	N-5	Metric Wing Nuts	R-2
M		Midi Fuse Block	H-3
Machine Bushings	P-7	Midi Fuses	H-3
14 Gauge Regular	P-7	Milton Couplers & Plugs	K-2
14 Gauge Wide	P-7	Miniature Bulbs	H-2
Machine Screw Hex Nuts	P-6	Mini Fuse	H-1
Machine Screws	P-4, P-5	Mini Fuse holder W/ Protective Cap	H-4
Pan Head Phillips Machine Screws	P-4	Moisture Sealing Tape	D-1
Pan Head Phillips MS Assortment	T-15, T-18	Mounting Hole Wire Ties	F-1
Phillips Flat Head Machine Screw Zinc Plated	P-5	MRO High Solid Spray Paint	L-16
Slotted Flat Head Machine Screws	P-4	Muffler Clamps	P-21
Slotted Round Head Machine Screws	P-4	Multi-Conductor Jacketed	E-2
Truss Phillips Machine Screw	P-5	10 Gauge	E-2
Un-slotted Hex HeadMachine Screws	P-5	12 Gauge	E-2
Magnetic Base Drills	J-10	14 Gauge	E-2
Magnetic Nut-setters	P-14	16 Gauge	E-2
Male Terminal	H-3	18 Guage	E-2
Marvel Mystery Oil	L-10	Multi-Connect Wire Terminals	C-11
Masking Tape	D-2	3-Way Connector	C-11
3M	D-2	4-Way Connector	C-11
Economy	D-2	Multi Link Terminals	C-8, C-9
Maxi Fuse Block	H-4	Assortment	T-17
Maxi Fuse Holder With Protective Cap	H-4	Blue Butt	C-9
Maxi Fuses	H-1	Blue Female Insulated QS	C-9
Mechanics Wire	K-4	Blue Female Quick Slide	C-9
Mega Foamcut Cutting Fluid	L-10	Blue Ring	C-8
Mega Fuse Block	H-3	Blue Spade	C-9
Metal Filler	L-1	Blue Spring Spade	C-9
Metal Housing Toggle Switches	H-4	Red Butt	C-9
Metal Tab Cable Ties	F-1	Red Female Insulated QS	C-9
Metric All Metal Lock Nuts	R-2	Red Female Quick Slide	C-9
Metric Bolts 10.9	R-4	Red Ring	C-8
Metric Bolts 10.9 Assortment	T-23	Red Spade	C-9
Metric Bolts 8.8	R-1, R-2	Red Spring Spade	C-9
		Yellow Butt	C-9

Yellow Female Insulated QS	C-9
Yellow Male Quick Slide.....	C-9
Yellow Ring	C-8
Yellow Spade	C-9
Yellow Spring Spade	C-9
Mystery Air Tool Oil.....	L-10
N	
No Mounting Bracke.....	H-2
Non Chlorinated Brake & Parts Cleaner.....	L-7
Nuts	P-5, P-6, Q-7
Castle Nuts.....	P-5
Coupling Nuts.....	P-5
Finished Hex.....	Q-7
Flange Nut	P-2
Grade 5	Q-7
Grade 8	Q-4
Grade 8 Nylon Lock Nuts.....	Q-5
Grade C All Metal Lock Nuts.....	Q-5
Heavy Hex Nuts	Q-8
High Nuts.....	P-5
Jam Nuts	P-6
Kep Nuts	P-6
Machine Screw Hex Nuts	P-6
Metric	R-2
Metric All Metal Lock Nuts	R-2
Metric Nylon Lock Nuts.....	R-2
Metric Wing Nuts	R-2
Nylocks	Q-8
PFC 9 Thick Hex Nuts.....	Q-2
Serrated Flange Nut.....	P-2
Slotted Hex Nuts.....	P-5
Square Nuts	P-6
Tee Nuts	P-6
Wing Nuts	P-6
Nylocks	Q-8
Nylocks Assortment	T-14
Nylon Air Brake Tubing.....	A-9
Nylon Anchors	O-3
Nylon Lock Nut Grade 8.....	Q-5
Nylon Lock Nuts.....	Q-8
Nylon Terminals.....	C-2, C-3, C-4
Assortment.....	T-8, T-14
Bell Caps	C-4
Blue Block Spade	C-3
Blue Butt Connector	C-2
Blue Female Quick Slide.....	C-3
Blue Female Snap Plugs	C-2
Blue Fully Insulated Female Quick Slide.....	C-3
Blue Fully Insulated Male Quick Slide	C-3

Blue Hook Tongue.....	C-2
Blue Male Quick Slide	C-3
Blue Male Snap Plugs	C-2
Blue Piggy Back	C-4
Blue Ring Tongue	C-2
Blue Snap Spade.....	C-3
Clear Double Snap Plug Connector.....	C-4
Female T-Taps.....	C-4
Posi-Lock Terminals.....	C-4
Red Block Spade	C-3
Red Butt Connector	C-2
Red Female Quick Slide	C-3
Red Female Snap Plugs	C-2
Red Fully Insulated Female Quick Slide.....	C-3
Red Fully Insulated Male Quick Slide	C-3
Red Hook Tongue	C-2
Red Male Quick Slide	C-3
Red Male Snap Plugs	C-2
Red Piggy Back	C-4
Red Ring Tongue	C-2
Red Snap Spade	C-3
Scotch-Locks	C-4
Self Stripping Wire Connectors	C-4
Trailer Pin Connector	C-4
Yellow Block Spade	C-3
Yellow Butt Connector	C-2
Yellow Female Quick Slide	C-3
Yellow Fully Insulated Female Quick Slide.....	C-3
Yellow Fully Insulated Male Quick Slide	C-3
Yellow Hook Tongue	C-2
Yellow Male Quick Slide.....	C-3
Yellow Male Snap Plugs.....	C-2
Yellow Ring Tongue	C-2

O

Olympic Rivets	I-4
DomeAluminum/Aluminum.....	I-4
Dome - Low ProfileAluminum/Aluminum	I-4
Dome - Low Profile Steel/Steel.....	I-4
Dome - Shaveable Aluminum/Aluminum	I-4
O-Ring Assortments	K-4
O-Rings	K-5, K-6

P

Packaging Tape	D-2
Paint Markers	K-1
PAL-13/16" Bent.....	H-3
PAL-Female Type Terminal	H-3
PAL-Straight Male Terminal	H-3

Parallel Primary Wire		Rivets	I-4
14 Gauge.....	E-2	Dome All Stainless Steel	I-2
16 Gauge.....	E-2	Dome Stainless Steel/Steel	I-2
18 Gauge.....	E-2	Olympic Rivets.....	I-4
PB Penetrating Catalyst	L-8	Rivets - (Closed End).....	I-3
Penetrating Oil	L-9	Closed-End Sealing Pop Rivets Hollow Core Dome Aluminum/Steel	I-3
Perma Poxy Syringes	L-1	Closed-End Sealing Pop Rivets Solid Dome Aluminum/Steel	I-3
PFC 9		Rivets - (Monobolts)	I-3
Bolts.....	Q-1	Aluminum/Aluminum	I-3
Thick Hex Nuts.....	Q-2	Steel/Steel	I-3
Thick Washers	Q-2	Rivets - (Special Situation)	
Piloted Countersinks	J-9	Protruding Aluminum/Steel.....	I-4
Plasti-Dip	L-12	Rivets - (Structural-Self Plugging)	I-4
Plastic Anchors.....	O-5	Aluminum/Aluminum	I-4
Plastic Trays	S-10	Aluminum/Steel.....	I-4
Pliers Ratchet Master Push Lock	A-5	Counter SunkSteel/Steel	I-4
Plow Bolts Grade 5	P-20	Steel/Steel	I-4
Plow Bolts Grade 8	P-20	Rivet Sets	I-8
Plugs	K-2	Rivets	I-2, I-3
Posi-Lock Terminals	C-4	Assortment.....	T-6, T-17
Post Extender	G-1	Copper Rivets Protruding Copper/Steel	I-3
Power Lube	L-8	Countersunk Aluminum/Aluminum Rivets	I-2
Power Steering Fluid.....	L-9	Countersunk Steel/Steel Rivets	I-2
Punches	I-8	Dome Head Aluminum/Aluminum Rivets	I-2
Push Lock Pliers	A-5	Dome Head Aluminum/Steel Rivets	I-2
PVC Push-in Tube Fittings	A-5	Dome Head Steel/Steel Rivets.....	I-2
90 Degree Union.....	A-5	Drive Rivets.....	I-5
Branch Tee	A-4	Large Flange All Stainless Steel.....	I-3
Male Connector	A-5	Large Flange Aluminum/Aluminum Rivets	I-3
Male Elbow 90 Degree	A-5	Large Flange Aluminum/Steel Rivets.....	I-3
Swivel Male Elbow 90 Degree.....	A-5	Large Flange Steel/Steel Rivets.....	I-3
Tee	A-5	Solid Rivets	I-6
Union Connector	A-5	Rivnuts	I-9
R		Gold Serrated Rivnuts	I-9
Radial Bristle Discs.....	L-16	Klik-Rivet Nuts Flat Head Aluminum.....	I-9
Ratchet Master Push Lock Pliers	A-5	Klik-Rivet Nuts Flat Head Steel-Zinc Plated	I-9
Razor Blades	D-4	Klik Poly Nuts Flush Head.....	I-9
Gold Titanium Blade	D-4	Metric Gold Serrated Rivnuts.....	I-9
Single Edge Industrial Blade	D-4	Roll Pins Assortment.....	T-7
Utility Knife Blade	D-4	Roloc L-14, L-15	
Reamers.....	J-8	Roloc Coating Removal Disc.....	L-14
Rearview Mirror Adhesive.....	L-1	Roloc System	
Reciprocating Blades	J-16	Bristle Discs.....	L-14, L-16
Reduced Shank Drill Bits.....	J-8	Disc Pad Assembly	L-14
Reflective Tape.....	F-3	Roloc Coating Removal Disc	L-14
Retaining Springs.....	I-8	Roloc Discs	L-14, L-15
Ribbed Plastic Anchors	O-5	Royal Cool Cutting Tool Lubricant	L-8
Rivet Back Up Washers	I-2	RTV Silicone Adhesive Sealant	L-3
Rivet Gun - Air powered.....	I-4		

RTV Silicone Gasket.....	L-3, L-4
RTV Silicone Gasket Maker	L-3
Rubber Air Brake Tubing.....	A-11
Rubber Grommets.....	K-4
Rubberized Undercoating	L-12
Rubber Mastic Tape	D-1

S

SAE 45 Degree Flare Brass Tube Fittings.....	A-6, A-7
45 Degree Male Elbow	A-6
Female Connector.....	A-6
Flare Cap	A-6
Long Nut.....	A-7
Male Branch Tee.....	A-6
Male Connector	A-6
Male Elbow	A-6
Male Run Tee.....	A-6
Nut	A-7
Union	A-7
Union Elbow.....	A-6
Union Tee	A-6
Safety Glasses	D-3
Sand Screen.....	K-4
Sawzall Blades	J-16
Scotch-Locks.....	C-4
Scotchbrite System.....	L-15
Disc Pad.....	L-15
Surface Conditioning Discs	L-15
Scratch Brush	K-1
Screw Anchors	O-5
Screws	P-4, P-5, P-7, P-8, P-9, P-10, P-12
Black - Phillips Pan Head Tek Screws	P-10
Button Head Tamper-Proof Hex Socket Sheet Metal Screws Alloy-Black Oxide	P-9
Countersunk Phillips Oval Head Finishing Screws w/#2 Drill Point	P-11
Deck Screws	P-11
Drywall Screws	P-11
Hexagon Head Thread Cutting Screws Zinc Plated ...	P-10
Hex Head With Attached Washer	P-9
Hex Washer Head Tek.....	P-11
Hex Washer Head Tek Fine Thread	P-11
Hex Washer Head Tek w/Sealing Washer	P-11
Hex Washer Head Thread Cutting Screws Zinc PlatedP	10
Liner Screws.....	P-12
Metric Phillips Pan Head Machine Screws	R-3
Metric Slotted Pan Head Machine Screws	R-3
Pan Head Phillips Machine Screws.....	P-4
Pan Head Square DriveTapping Screws Zinc Plated....	P-9
Phillips Flat Head Machine Screw Zinc Plated.....	P-5

Phillips Flat Head Sheet Metal Screws Zinc Plated	P-8
Phillips Oval Head Self Tapping Screws Type A-B Zinc Plated	P-8
Phillips Oval Head Sheet Metal Screw "BLACK"	P-9
Phillips Pan Head Sheet Metal Screws Zinc Plated	P-7
Phillips Pan Head Tek Screw.....	P-10
Phillips Pan Head Type "AB" "Black" Sheet Metal Screw	P-9
Phillips Round Washer Head Teks.....	P-10
Sharp Point Hex Washer Head Sheet Metal Screws.....	P-9
Slotted Flat Head Machine Screws.....	P-4
Slotted Hex Washer Head Self Tapping Screws Zinc Plated	P-8
Slotted Pan Head Sheet Metal Screws Zinc Plated	P-7
Slotted Pan Head Thread Cutting Screws Zinc Plated P-10	
Slotted Round Head Machine Screws	P-4
Thumb Screws	P-5
Truss Phillips Machine Screw	P-5
Un-slotted Hex HeadMachine Screws.....	P-5
Un-slotted Hex Head Sheet Metal Screws	P-9
Un-Slotted hex Washer Head Sheet Metal Screws.....	P-8
Unslotted Hex Type "BA" Washer Head.....	P-9
Scrubs In A Bucket.....	L-7
Sealant - Black	L-14
Self Stripping Fuse Holder.....	H-3
Sensor-Safe High-Temp RTV Silicone Gasket	L-4
Serrated Flange Bolt	P-2
Serrated Flange Nut	P-2
Service Tray	S-8
Set Screws	P-17, P-18
Set Screws Assortment.....	T-6
Shackles	N-8
Shark Abrasives	L-15
Sheet Metal Screws.....	P-7, P-8, P-9
Button Head Tamper-Proof Hex Socket Sheet Metal Screws Alloy-Black Oxide	P-9
Hex Head With Attached Washer	P-9
Pan Head Square DriveTapping Screws Zinc Plated....	P-9
Phillips Flat Head Sheet Metal Screws Zinc Plated	P-8
Phillips Oval Head Self Tapping Screws Type A-B Zinc Plated	P-8
Phillips Oval Head Sheet Metal Screw "BLACK"	P-9
Phillips Pan Head Sheet Metal Screws Assortment	T-5
Phillips Pan Head Sheet Metal Screws Zinc Plated	P-7
Phillips Pan Head Type "AB" "Black" Sheet Metal Screw P-9	
Sharp Point Hex Washer Head Sheet Metal Screws.....	P-9
Slotted Hex Washer Head Self Tapping Screws Zinc Plated	P-8

Slotted Pan Head Sheet Metal Screws Zinc Plated	P-7		
Torx Truss Head SMS.....	P-1		
Un-slotted Hex Head Sheet Metal Screws	P-9		
Un-Slotted hex Washer Head Sheet Metal Screws.....	P-8		
Unslotted Hex Type "BA" Washer Head.....	P-9		
Shop Air Hose	K-1		
Shop Bulbs	H-2		
Shop Towels	D-5		
Shoulder Screws.....	P-16		
Side Terminal	G-1		
Silicone	L-4, L-10, L-14		
Silicone Gasket Maker.....	L-4		
Silver & Deming Drill Bits - 1/2" Flattened Shank.....	J-8		
Single Edge Industrial Blade	D-4		
Sleeve Retainer	L-2		
Slik-Pak 5th Wheel Grease	L-10		
Slotted Hex Nuts.....	P-5		
Socket Head Cap Screws	P-15, P-16		
Socket Head Shoulder Screws	P-16		
Solder Heat Shrink Terminals.....	C-6		
10-12 AWG Yellow.....	C-6		
14-16 AWG Blue	C-6		
18-20 AWG Red	C-6		
Butt Connectors	C-6		
Solderless Battery Terminals	G-1		
Solder Pellets	G-3		
Solid Rivets.....	I-6, I-7		
Aluminum - Brazier - Hard	I-6		
Aluminum - BrazierSoft	I-6		
Aluminum - Modified BrazierHard	I-6		
Aluminum - Round - Hard	I-6		
Aluminum - Universal - Hard.....	I-6		
Spade Bits	J-9		
Speed Nuts	N-10		
Speed Nuts Assortment.....	T-10		
Spiral Wrap	F-2		
Split Loom	F-2		
Split Sleeve Fittings For Nylon Tubing	A-13		
90 Degree Male Elbow	A-13		
Male Connector	A-13		
Nut	A-13		
Split Sleeve.....	A-13		
Union	A-13		
Spray Bottles	K-1		
Spray Lubricant.....	L-10		
Spray Paint	L-16, L-17		
MRO High Solid Spray Paint.....	L-16		
Tough Coat Paints.....	L-17		
Upside Down Paints	L-17		
Springs	K-3		
		Square Head Set Screws	P-17
		Square Nuts.....	P-6
		Stainless Steel	M-1, M-2, M-3
		Cap Nut.....	M-3
		Fender Washers.....	M-3
		Finished Hex Nut.....	M-3
		Flat Head Phillips Machine Screw	M-2
		Flat Head Slotted Machine Screw	M-2
		Flat Washers.....	M-3
		Hex Head Machine Screw	M-1
		Jam Nut.....	M-3
		Lock Washers.....	M-3
		Nylon Lock Nut	M-3
		Phillips Flat Head Sheet Metal Screws	M-1
		Phillips Oval Head Machine Screws	M-2
		Phillips Oval Head Sheet Metal Screws	M-2
		Phillips Pan Head Sheet Metal Screws.....	M-2
		Round Head Slotted Machine Screw.....	M-2
		Slotted Flat Head Sheet Metal Screws	M-1
		Slotted Pan Head Machine Screw	M-2
		Slotted Pan HeadSheet Metal Screws.....	M-2
		Socket Head Cap Screws.....	M-2
		Stainless Steel Bolts	M-1
		Starter Lugs.....	G-1
		Starting Fluid	L-12
		Star Washers.....	P-6
		Star Washers Assortment	T-2
		Steel Fittings	A-13
		45 Degree Male JIC toMale Pipe Thread	A-13
		90 Degree Male JIC toMale Pipe Thread	A-13
		90 Degree Street Elbow	A-15
		Adapter	A-15
		Bushing.....	A-15
		Hex Head Plug.....	A-15
		Hex Nipple.....	A-15
		JIC Hex Plug	A-13
		Tee	A-15
		Steel/Steel Rivets	I-2
		Steel Fittings	A-14, A-15
		90 Degree Male JIC toMale Pipe Thread	A-14
		Couplers.....	A-15
		Elbow.....	A-14
		Female Pipe Swivel to Male Pipe	A-14
		JIC Cap Nut	A-14
		JIC Nut.....	A-14
		JIC Tube Tee	A-14
		Male JIC to Male Pipe Thread.....	A-14
		Male JIC Union	A-14
		Street Elbow	A-14
		Steel Max Blades	J-17



Steel Max Saws.....	J-17
Step Bolts.....	P-1
Storage Cabinet.....	S-9
Stover Lock Nuts	Q-10
Strapping Tape	D-2
Strip Caulk - Black.....	L-14
Stripped Thread Repair	L-12
Stubby Drill Bit 135 Degree Split Point	J-7
Super Glue	L-1
Surface Conditioning Discs	L-15
Surface Prep Activator	L-11
Swagers.....	N-9
Switches.....	H-4
Metal Housing Toggle Switches.....	H-4
Toggle Switches.....	H-4
T	
Tape	
Duct Tape.....	D-1
Linerless Splicing Tape.....	D-1
Rubber Mastic Tape.....	D-1
Thread Sealant.....	D-1
Taps	J-11
Pipe Taps.....	J-11
T-Bolt Clamps	N-2
Tek Screws	P-10
Test & Charging Clips.....	C-13
Charging Clips.....	C-13
Mini Test Clips 1" Miniature.....	C-13
Standard Test Clips 2" Regular.....	C-13
Test Probes 2" w/Handles.....	C-13
Thread Cutting Lubricant.....	L-9
Thread Sealant	D-1, L-5
Thunder Bits.....	J-4
T-Taps.....	C-4
Tap & Drill Chart	J-1
Tap & Drill Set	
Metric	J-11
Standard	J-11
Tap Bolts	P-2
Tap Bolts - Grade 5	P-1
Tapcon Screw	
Flat Head	O-6
Hex Head	O-6
Taper Pins.....	P-16
Tape	D-1
Aluminum Roof Repair Tape.....	D-2
Electrical Tape - Economy.....	D-1
Electrical Tape - Economy 3M.....	D-1
Electrical Tape - Economy Colored.....	D-1
Electrical Tape 33+	D-1
Electrical Tape 35+ - Colored.....	D-1
Electrical Tape Super 88.....	D-1
Masking Tape - 3M.....	D-2
Masking Tape - Economy	D-2
Moisture Sealing Tape	D-1
Packaging Tape	D-2
Strapping Tape	D-2
Taps	J-12
Metric Taps	J-12
Tarp Straps	K-1
Tee Nuts	P-6
Tek Screws	P-11
Assortment.....	T-5, T-15
Black - Phillips Pan Head Tek Screws	P-10
Countersunk Phillips Oval Head Finishing Screws w/#2	
Drill Point	P-11
Hex Washer Head Tek	P-11
Hex Washer Head Tek Fine Thread	P-11
Hex Washer Head Tek w/Sealing Washer	P-11
Phillips Pan Head Tek Screws	P-10
Phillips Round Washer Head Tek	P-10
Thread Cutting Screws.....	P-10
Hexagon Head Thread Cutting Screws Zinc Plated	P-10
Hex Washer Head Thread Cutting Screws Zinc Plated	P-10
Slotted Pan Head Thread Cutting Screws Zinc Plated	P-10
Threaded Rod	Q-9
B-7	Q-9
Grade 8	Q-9
Threaded Rod Cabinet	S-9
Thread Locker Blue	L-2
Thread Locker Gel Blu	L-2
Thread Locker Gel Blu Pump	L-2
Thread Locker Gel Red	L-2
Thread Locker Gel Red Pump	L-2
Thread Locker Green	L-2
Thread Locker Red	L-2
Thread Sealant	L-5
Thread Sealant With Brush Top	L-6
Thumb Screws	P-5
Tire & Wheel Service	S-6
Tire Crayons	K-1
Toggle Bolt Heads	O-5
Toggle Bolts	O-5
Toggler Brand Screw Anchors	O-5
Toggle Switches	H-4
Tork Sockets	S-7
Torx Sockets 3/8" Drive	S-7
Tough Coat Paints	L-17
Towels	D-5



Trailer Adapters.....	E-4
Trailer Cable	E-2
10 Gauge.....	E-2
12 Gauge.....	E-2
14 Gauge.....	E-2
16 Gauge.....	E-2
Trailer Plugs	E-3
Trailer Sockets	E-3
Trim Adhesive.....	L-14
Truck Valves.....	A-12
Hose To Male Pipe	A-12
Tubing Clamps.....	F-2
Twist Roloc Discs	L-15

U

Ultra Black Gasket Maker	L-4
Ultra Blue RTV	L-4
Ultra Copper.....	L-4
Ultra Slick	L-10
Uni Kit	P-14
Uninsulated Terminals	C-11, C-12
Block Spade.....	C-11
Butt Connectors	C-11
Female Quick Slides.....	C-11
Flag Quick Slides	C-11
Fuse Taps	C-11
High Temperature Butt Connector.....	C-12
High Temperature Female Quick Slides.....	C-12
High Temperature Flag Quick Slide	C-12
High Temperature Male Quick Slide.....	C-12
High Temperature Ring Tongue	C-12
Hook Tongue	C-11
Male Quick Slide	C-11
Open Barrel Female Quick Slides	C-11
Ring Tongue	C-12
Spade Tongue	C-11
Special Quick Slides.....	C-11
Upside Down Paints.....	L-17
Utility Knife Blade.....	D-4

V

Vacuum Tubing	K-1
Vapor Emission Hose	K-1
Vari Bits	J-8
VelcroL-16	

W

Wall Grabbers	O-4
Washers	N-10, P-6

Bonded Sealing Washer	P-6
Countersunk Tooth Star Washers.....	P-6
Fender Washers.....	N-10
Heavy Duty Fender Washers	N-10
Star Washers	P-6
Wing Nuts	P-6
Woodboring Bits	J-9
Wood Screws	
Slotted Flat Head Wood ScrewsLow Carbon Steel Super Bright Plated	P-12
Wall Grips	O-3
Washers	
Countersunk.....	N-10
Flat Washer	Q-8
Hardened Flat Washers	Q-4
Hardened Lock Washer.....	Q-4
Lock Washer	Q-8
Metric Flat Washers.....	R-3
Metric Lock Washer	R-3
Metric Spring Washer	R-3
PFC 9 Thick Washers	Q-2
WD-40.....	L-8
Weather Pack Terminals Assortment	T-16
Weatherstrip	L-14
Wedge Anchors	O-3, O-4
Wheel Bearing Grease	L-10
Wheel Nuts.....	P-21
Whip Hose	O-2
White Lithium Grease.....	L-8
Windshield Repair Kit	L-1
Windshield Washer Tubing	K-1
Wire & Tubing Clamps	F-2
Aluminum Tubing Clamp.....	F-2
Assortment.....	T-12, T-13
Heavy Duty Steel.....	F-2
Light Duty Steel	F-2
Tube Clamps	F-2
Wire Brush	K-1
Wire Marker Dispenser	E-3
Wire Marker Tape	E-3
Wire Nuts	
Combination Wire Nuts	C-13
Hard Wire Nuts	C-13
Soft Wire Nuts	C-13
Wing Lock Wire Connectors	C-13
Wing Nut Driver	C-13
Wing Nut Hand Driver	C-13
Wire Rope Clips Heavy Duty Dropped Forged	N-9
Wire Rope Clips Malleable	N-9
Wire Spool Rack	S-9



Wire Ties	F-1
Assortment.....	T-16
Black Wire Ties	F-1
Metal Tab Mounting Hole Cable Ties	F-1
Mounting Brackets	F-1
Mounting Hole Wire Ties.....	F-1
White Wire Ties.....	F-1
Woodruff Keys.....	N-6
Wood Screws.....	P-12
Phillips Flat Head Wood Screws	P-12
Slotted Wood Screws Round Head Zinc Plated Steel .	P-12

Brass Pipe Fittings



Cap

Part #	Pipe Size	WH #	Qty
11083-1	1/8"	3129 X 2	5
11083-2	1/4"	3129 X 4	5
11083-A	3/8"	3129 X 6	5
11083-B	1/2"	3129 X 8	2
11083-C	3/4"	3129 X 12	1



Square Head Plug

Part #	Pipe Size	WH #	Qty
11082	1/8"	3151 X 2	5
11081	1/4"	3151 X 4	5
11083-3	3/8"	3151 X 6	5
11083-4	1/2"	3151 X 8	2
11086	3/4"	3151 X 12	1



Coupling

Part #	Pipe Size	WH #	Qty
11090	1/8"	3300 X 2	5
11090-1	1/4"	3300 X 4	5
11090-2	3/8"	3300 X 6	5
11090-3	1/2"	3300 X 8	2
11090-4	3/4"	3300 X 12	1



Hex Nipple

Part #	Pipe Size	WH #	Qty
11092	1/8"	3325 X 2	5
11097	1/4"	3325 X 4	5
10835	1/4" X 1/8"	3325 X 4 X 2	5
11097-1	3/8"	3325 X 6	5
11097-2	3/8" X 1/8"	3325 X 6 X 2	5
10835-1	3/8" X 1/4"	3325 X 6 X 4	5
11097-6	1/2"	3325 X 8	2
11097-6A	1/2" X 3/8"	3325 X 8 X 6	2
11097-7	3/4"	3325 X 12	1



Hex Bushings

Part #	P.T. Female	P.T. Male	WH #	Qty
11085	1/8"	1/4"	3220 X 4 X 2	5
11088	1/8"	3/8"	3220 X 6 X 2	5
11089	1/4"	3/8"	3220 X 6 X 4	5
11089-1	1/8"	1/2"	3220 X 8 X 2	3
11089-2	1/4"	1/2"	3220 X 8 X 4	3
11089-3	3/8"	1/2"	3220 X 8 X 6	3
11085-2	1/8"	3/4"	3220 X 12 X 2	2
11085-1	1/4"	3/4"	3220 X 12 X 4	2
11089-5	3/8"	3/4"	3220 X 12 X 6	2
11089-4	1/2"	3/4"	3220 X 12 X 8	2
11089-6	3/4"	1"	3220 X 16 X 12	1
11089-7	3/8"	1"	3220 X 16 X 6	1



Elbow

Part #	Pipe Size	WH #	Qty
10842	1/8"	3500 X 2	5
10843	1/4"	3500 X 4	5
10844	3/8"	3500 X 6	5
10845	1/2"	3500 X 8	2



Reducing Coupling

Part #	Pipe Size	WH #	Qty
11091	1/4" X 1/8"	3300 X 4 X 2	5
11091-2	3/8" X 1/8"	3300 X 6 X 2	5
11091-3	3/8" X 1/4"	3300 X 6 X 4	5
11091-5	1/2" X 1/4"	3300 X 8 X 4	3
11091-4	1/2" X 3/8"	3300 X 8 X 6	3



Allen Head Plugs

Part #	Pipe Size	WH #	Qty
11081-1	1/8"	-----	5
11081-2	1/4"	-----	5
11081-3	3/8"	-----	5
11081-4	1/2"	-----	3
11081-5	3/4"	-----	1



Street Tee

Part #	Pipe Size	WH #	Qty
11149	1/8"	3750 X 2	3
10848	1/4"	3750 X 4	3
11151	3/8"	3750 X 6	2



45° Street Elbow

Part #	Pipe Size	WH #	Qty
10838	1/8"	3350 X 2	5
11101-1	1/4"	3350 X 4	5
10839	3/8"	3350 X 6	5
10839-1	1/2"	3350 X 8	2



Tee

Part #	Pipe Size	WH #	Qty
11148-1	1/8"	3700 X 2	3
11148-2	1/4"	3700 X 4	3
10846	3/8"	3700 X 6	2
10847	1/2"	3700 X 8	2

Brass Pipe Fittings



Male Branch Tee

Part #	Pipe Size	WH #	Qty
11148	1/8"	3600 X 2	3
11148-A	1/4"	3600 X 4	3
11148-B	3/8"	3600 X 6	2
11148-C	1/2"	3600 X 8	2



Hex Head Plug

Part #	Pipe Size	WH #	Qty
11083	1/8"	3152 X 2	5
11083-5	1/4"	3152 X 4	5
11083-6	3/8"	3152 X 6	5
11083-7	1/2"	3152 X 8	3
11083-8	3/4"	3152 X 12	1



Nipple

Part #	Pipe Size	Length	WH #	Qty
11099	1/8"	1-1/2"	3327 X 2	5
11099-2	1/8"	2"	3328 X 2	5
11099-4	1/8"	2-1/2"	3329 X 2	5
11152	1/8"	3"	3330 X 2	3
11099-1	1/4"	1-1/2"	3327 X 4	5
11099-3	1/4"	2"	3328 X 4	5
10837	1/4"	2-1/2"	3329 X 4	3
11152-1	1/4"	3"	3330 X 4	3
11152-1A	1/4"	4"	-----	2
10836-2	3/8"	1-1/2"	3327 X 6	3
10836	3/8"	2"	3328 X 6	3
10836-3	3/8"	2-1/2"	3329 X 6	2
10836-4	3/8"	3"	3330 X 6	2
10836-5	3/8"	4"	-----	1
11107	1/2"	1-1/2"	3327 X 8	2
11107-1	1/2"	2"	3328 X 8	2
11107-2	1/2"	2-1/2"	3329 X 8	2
11107-3	1/2"	3"	3330 X 8	1
11107-4	1/2"	4"	-----	1
11107-5	1/2"	4-1/2"	-----	1



Street Elbow

Part #	Pipe Size	WH #	Qty
11101	1/8"	3400 X 2	5
11100	1/4"	3400 X 4	5
11101-X	3/8"	3400 X 6	5
10840	1/2"	3400 X 8	2
10840-1	3/4"	3400 X 12	1
10841	1/4" F X 1/8" M	3400 X 4 X 2	5



Close Nipple

Part #	Pipe Size	WH #	Qty
11095	1/8"	3326 X 2	5
11096	1/4"	3326 X 4	5
11096-1	3/8"	3326 X 6	5
11096-2	1/2"	3326 X 8	3
11096-4	3/4"	3326 X 12	1



Male Connector

Part #	Tube Size	Pipe Size	WH #	Qty
10800	1/8"	1/8"	202 X 2	5
11112	3/16"	1/8"	202 X 3	5
11113	1/4"	1/8"	202 X 4	5
11114-5	1/4"	1/4"	202 X 4 X 4	5
11114	5/16"	1/8"	202 X 5	5
11114-X	5/16"	1/4"	202 X 5 X 4	5
11114-4	3/8"	1/8"	202 X 6 X 2	3
11114-1	3/8"	1/4"	202 X 6	3
11114-6	3/8"	3/8"	202 X 6 X 6	3
11114-2	7/16"	1/4"	202 X 7	2
11114-3	1/2"	3/8"	202 X 8	2
11114-7	1/2"	1/2"	202 X 8 X 8	2
11114-8	5/8"	1/2"	202 X 10	1



Male Elbow

Part #	Tube Size	Pipe Size	WH #	Qty
10803	1/8"	1/8"	402 X 2	5
11078	3/16"	1/8"	402 X 3	5
11079	1/4"	1/8"	402 X 4	5
11080-5	1/4"	1/4"	402 X 4 X 4	5
11080	5/16"	1/8"	402 X 5	5
11080-6	5/16"	1/4"	402 X 5 X 4	5
11080-4	3/8"	1/8"	402 X 6 X 2	5
11080-1	3/8"	1/4"	402 X 6	5
11080-7	3/8"	3/8"	402 X 6 X 6	5
11080-2	7/16"	1/4"	402 X 7	3
11080-3	1/2"	3/8"	402 X 8	3
10804	1/2"	1/4"	402 X 8 X 4	3
10805	1/2"	1/2"	402 X 8 X 8	2
11080-8	5/8"	1/2"	402 X 10	2

45 Degree Male Elbow

Part #	Tube Size	Pipe Size	WH #	Qty
11077	3/16"	1/8"	352 X 3	5
11075	1/4"	1/8"	352 X 4	5
11076	5/16"	1/8"	352 X 5	5
10802	5/16"	1/4"	352 X 5 X 4	5
11077-1	3/8"	1/4"	352 X 6	3
11077-2	3/8"	3/8"	352 X 6 X 6	3

Female Connector

Part #	Tube Size	Pipe Size	WH #	Qty
11115-2	3/16"	1/8"	252 X 3	5
11115-3	5/16"	1/8"	252 X 5	5
11115-6	1/4"	1/8"	252 X 4 X 2	5
11115-4	3/8"	1/4"	252 X 6	5
11115-5	1/2"	3/8"	252 X 8	3

Brass Inverted Flare Fittings



A

Union

Part #	Tube Size	WH #	Qty
11074-1X	1/8"	302 X 2	5
11074-X	3/16"	302 X 3	5
11073	1/4"	302 X 4	5
11074	5/16"	302 X 5	5
11074-1	3/8"	302 X 6	5
11074-2	1/2"	302 X 8	2

Standard Nut (Steel)

Part #	Tube Size	WH #	Qty
11068-9	1/8"	105 X 2	5
11069	3/16"	105 X 3	5
11070	1/4"	105 X 4	5
11071	5/16"	105 X 5	5
11072	3/8"	105 X 6	5
11072-1	7/16"	105 X 7	2
11072-2	1/2"	105 X 8	2
11072-3	5/8"	105 X 10	1

Brass Tube Fittings For Plastic Tubing



Nut and Sleeve

Part #	Tube OD.	Qty
20-211	1/4"	5
20-212	5/16"	5
20-213	3/8"	5
20-214	1/2"	3



Union

Part #	Tube O.D.	Qty
20-240	1/8"	5
20-241	3/16"	5
20-242	1/4"	5
20-243	5/16"	5
20-244	3/8"	5
20-245	1/2"	3

Nut

Part #	Tube O.D.	Qty
20-218	1/8"	5
20-219	3/16"	5
20-220	1/4"	5
20-221	5/16"	5
20-222	3/8"	5
20-223	1/2"	3



Sleeve Only

Part #	Tube OD.	Qty
20-205	1/4"	5
20-206	5/16"	5
20-207	3/8"	5
20-208	1/2"	5



Union Tee

Part #	Tube O.D.	Qty
20-248	1/8"	3
20-249	3/16"	3
20-250	1/4"	3
20-251	5/16"	3
20-252	3/8"	2
20-253	1/2"	2



Male Elbow

Part #	Tube O.D.	Pipe Thread	Qty
20-287	1/8"	1/8"	5
20-288	3/16"	1/8"	5
20-289	1/4"	1/8"	5
20-290	1/4"	1/4"	5
20-291	1/4"	3/8"	5
20-292	5/16"	1/8"	5
20-293	3/8"	1/8"	5
20-294	3/8"	1/4"	5
20-295	3/8"	3/8"	5
20-296	1/2"	3/8"	3

Brass Push-in Tube Fittings (D.O.T. Approved)



Male Elbow 90°

Part #	Tube O.D.	Pipe Thread	Qty
20-065	1/8"	1/8"	5
20-066	5/32"	1/8"	5
20-067	3/16"	1/8"	5
20-068	1/4"	1/8"	5
20-069	1/4"	1/4"	5
20-070	1/4"	3/8"	5
20-071	3/8"	1/8"	3
20-072	3/8"	1/4"	3
20-073	3/8"	3/8"	3
20-074	3/8"	1/2"	3
20-075	1/2"	1/4"	2
20-076	1/2"	3/8"	2
20-077	1/2"	1/2"	2



Male Connector

Part #	Tube O.D.	Pipe Thread	Qty
20-025	1/8"	#10-32	5
20-026	5/32"	#10-32	5
20-048	1/8"	1/8"	5
20-049	5/32"	1/8"	5
20-050	5/32"	1/4"	5
20-052	3/16"	1/8"	5
20-054	1/4"	1/8"	5
20-055	1/4"	1/4"	5
20-056	1/4"	3/8"	5
20-057	3/8"	1/8"	5
20-058	3/8"	1/4"	5
20-059	3/8"	3/8"	5
20-062	3/8"	1/2"	3
20-063	1/2"	1/4"	2
20-064	1/2"	3/8"	2
20-064-1/2	1/2"	1/2"	2



Male Elbow 45°

Part #	Tube O.D.	Pipe Thread	Qty
20-001	1/4"	1/8"	5
20-002	1/4"	1/4"	5
20-003	3/8"	1/8"	3
20-004	3/8"	1/4"	3
20-005	3/8"	3/8"	3
20-006	3/8"	1/2"	3
20-007	1/2"	1/4"	2
20-008	1/2"	3/8"	2
20-008-1	1/2"	1/2"	2



Male Run Tee

Part #	Tube O.D.	Pipe Thread	Qty
20-095	1/4"	1/8"	3
20-096	1/4"	1/4"	3
20-097	3/8"	1/4"	3
20-098	3/8"	3/8"	2



Union Connector

Part #	Tube O.D.	Qty
20-016	3/16"	5
20-017	1/8"	5
20-018	5/32"	5
20-019	1/4"	5
20-019-1	5/16"	5
20-020	3/8"	3
20-021	1/2"	2
20-022	5/8"	1
20-023	3/4"	



Swivel Male Elbow 90°

Part #	Tube O.D.	Pipe Thread	Qty
20-079	1/8"	1/8"	5
20-080	5/32"	1/8"	5
20-081	1/4"	1/8"	5
20-082	1/4"	1/4"	5
20-083	3/8"	1/4"	3
20-084	3/8"	3/8"	3
20-085	1/2"	3/8"	3
20-087	1/2"	1/4"	2
20-086	1/2"	1/2"	2
20-010	5/8"	3/8"	
20-011	5/8"	1/2"	



Branch Tee

Part #	Tube O.D.	Pipe Thread	Qty
20-090	1/8"	1/8"	3
20-091	1/4"	1/4"	3
20-092	3/8"	1/4"	3
20-093	3/8"	3/8"	2



90° Union

Part #	Tube O.D.	Qty
20-040	1/8"	3
20-041	5/32"	3
20-042	1/4"	3
20-043	3/8"	3
20-044	1/2"	2



Tee

Part #	Tube O.D.	Qty
20-030	1/8 "	3
20-031	5/32"	3
20-032	1/4"	3
20-033	3/8"	2
20-034	1/2""	1

PVC Push-in Tube Fittings

A



Male Elbow 90°

Part #	Tube O.D.	Pipe Thread	Qty
30-068	1/4"	1/8"	5
30-069	1/4"	1/4"	5
30-070	1/4"	3/8"	5
30-071	3/8"	1/8"	3
30-072	3/8"	1/4"	3
30-073	3/8"	3/8"	3



Tee

Part #	Tube O.D.	Qty
30-030	1/8 "	3
30-031	5/32"	3
30-032	1/4"	3
30-032-5/16	5/16"	3
30-033	3/8"	2
30-034	1/2""	1



Male Connector

Part #	Tube O.D.	Pipe Thread	Qty
30-025	1/8"	#10-32	5
30-048	1/8"	1/8"	5
30-049	5/32"	1/8"	5
30-054	1/4"	1/8"	5
30-055	1/4"	1/4"	5
30-056	1/4"	3/8"	5
30-057	3/8"	1/8"	5
30-058	3/8"	1/4"	5
30-059	3/8"	3/8"	5
30-062	3/8"	1/2"	3
30-063	1/2"	1/4"	2
30-064	1/2"	3/8"	2
30-065	1/2"	1/2"	2



Union Connector

Part #	Tube O.D.	Qty
30-017	1/8"	5
30-018	5/32"	5
30-019	1/4"	5
30-019-1	5/16"	5
30-020	3/8"	3
30-021	1/2"	2



Swivel Male Elbow 90°

Part #	Tube O.D.	Pipe Thread	Qty
30-079	1/8"	1/8"	5
30-081	1/4"	1/8"	5
30-082	1/4"	1/4"	5
30-083	3/8"	1/4"	3
30-084	3/8"	3/8"	3
30-086	3/8"	1/2"	3
30-087	1/2"	1/4"	2
30-085	1/2"	3/8"	2
30-089	1/2"	1/2"	2

Ratchet Master Quick Release Pliers



Ratchet Master Push Lock Pliers

Part #	Description
DSI-QRP4S	Set of Four in Blow Mold Case 1 ea of Small Angle - Large Angle - Small Vertical - Large Vertical

SAE 45 Degree Flare Brass Tube Fittings



Flare Cap				
Part #	Tube Size	WH #	Qty	
11007-1	1/8"	40 X 2	5	
11007-2	3/16"	40 X 3	5	
11007-3	1/4"	40 X 4	5	
11007-4	5/16"	40 X 5	5	
11007-5	3/8"	40 X 6	5	
11007-6	1/2"	40 X 8	3	
11007-7	5/8"	40 X 10	1	



Male Branch Tee				
Part #	Tube Size	Pipe Size	WH #	Qty
10821	1/4"	1/8"	45 X 4	3
10822	5/16"	1/8"	45 X 5	3
10823	3/8"	1/4"	45 X 6	3



Female Connector				
Part #	Tube Size	Pipe Size	WH #	Qty
11028	1/4"	1/8"	46 X 4	5
11028-1	1/4"	1/4"	46 X 4 X 4	5
11028-2	5/16"	1/8"	46 X 5	5
11028-3	5/16"	1/4"	46 X 5 X 4	5
11028-4	3/8"	1/4"	46 X 6	5
11028-5	3/8"	3/8"	46 X 6 X 6	5
11028-6	3/8"	1/2"	46 X 6 X 8	3
11028-7	1/2"	3/8"	46 X 8	3
11028-8	1/2"	1/4"	46 X 8 X 4	3
11028-9	1/2"	1/2"	46 X 8 X 8	3
11028-A	5/8"	1/2"	46 X 10	1



Male Connector				
Part #	Tube Size	Pipe Size	WH #	Qty
11023A	1/8"	1/8"	48 X 2	5
11023	3/16"	1/8"	48 X 3	5
11021	1/4"	1/8"	48 X 4	5
11021-1	1/4"	1/4"	48 X 4 X 4	5
11021-2	1/4"	3/8"	48 X 4 X 6	5
11022	5/16"	1/8"	48 X 5	5
11022-X	5/16"	1/4"	48 X 5 X 4	5
11022-1	3/8"	1/4"	48 X 6	5
11022-2	3/8"	1/8"	48 X 6 X 2	5
11022-3	3/8"	3/8"	48 X 6 X 6	5
11022-3A	3/8"	1/2"	48 X 6 X 8	5
11022-3B	3/8"	3/4"	48 X 6 X 12	3
11022-3C	1/2"	1/4"	48 X 8 X 4	3
11022-4	1/2"	3/8"	48 X 8	3
11022-5	1/2"	1/2"	48 X 8 X 8	3
11022-5A	5/8"	3/8"	48 X 10 X 6	2
11022-6	5/8"	1/2"	48 X 10	2
10827	3/4"	1/2"	48 X 12	1
10828	3/4"	3/4"	48 X 12 X 12	1



Union Elbow				
Part #	Tube Size	WH #	Qty	
11029A	3/16"	55 X 3	5	
11029-1	1/4"	55 X 4	5	
11029-2	5/16"	55 X 5	5	
11029-3	3/8"	55 X 6	5	
11029-4	1/2"	55 X 8	3	



45° Male Elbow				
Part #	Tube Size	Pipe Size	WH #	Qty
11013	1/4"	1/8"	54 X 4	5
11014	1/4"	1/4"	54 X 4 X 4	5
11015	3/8"	1/4"	54 X 6 X 4	5
11016	3/8"	3/8"	54 X 6 X 6	3
11017	1/2"	3/8"	54 X 8 X 6	2
11018	1/2"	1/2"	54 X 8 X 8	2



Union Tee				
Part #	Tube Size	WH #	Qty	
11013-1	3/16"	44 X 3	3	
11013-2	1/4"	44 X 4	3	
11013-3	5/16"	44 X 5	3	
11013-4	3/8"	44 X 6	2	
11013-5	1/2"	44 X 8	1	

SAE 45 Degree Flare Brass Tube Fittings



Nut			
Part #	Tube Size	WH #	Qty
11014-1	1/8"	1110 X 2	5
11014-2	3/16"	1110 X 3	5
11014-3	1/4"	1110 X 4	5
11014-4	5/16"	1110 X 5	5
11014-5	3/8"	1110 X 6	5
11014-6	1/2"	1110 X 8	3
11014-7	5/8"	1110 X 10	1



Union			
Part #	Tube Size	WH #	Qty
11011	1/8"	42 X 2	5
11012-1	3/16"	42 X 3	5
11012-2	1/4"	42 X 4	5
11012-3	5/16"	42 X 5	5
11012-4	3/8"	42 X 6	5
11012-5	1/2"	42 X 8	3
11012-6	5/8"	42 X 10	2
10820	3/4"	42 X 12	1



Long Nut			
Part #	Tube Size	WH #	Qty
11000	1/8"	41 X 2	5
11001	3/16"	41 X 3	5
11002	1/4"	41 X 4	5
11003	5/16"	41 X 5	5
11004	3/8"	41 X 6	5
11006	1/2"	41 X 8	3
11006-1	5/8"	41 X 10	1

A

Barb Tite Hose Ends



J. I. C. Swivel

Part #	Hose I.D.	Tube Size	Thread	WH #	Qty
11688	1/4"	1/4"	7/16-20	10004B-604	5
11690	3/8"	3/8"	9/16-18	10006B-606	5
11692	1/2"	1/2"	3/4-16	10008B-608	3



S. A. E. Swivel

Part #	Hose I.D.	Tube Size	Thread	WH #	Qty
11576	1/4"	1/4"	7/16-20	10004B-404	5
11577	1/4"	5/16"	1/2-20	10004B-405	5
11689	3/8"	3/8"	5/8-18	10006B-406	5
11691	1/2"	1/2"	3/4-16	10008B-408	3



Male Pipe

Part #	Hose I.D.	Pipe Size	Thread	WH #	Qty
11572	1/4"	1/8"	1/8-27	10004B-102	5
11573	1/4"	1/4"	1/4-18	10004B-104	5
11679-3	3/8"	1/8"	1/8-27	10006B-102	5
11680	3/8"	1/4"	1/4-18	10006B-104	5
11681	3/8"	3/8"	3/8-18	10006B-106	5
11682	1/2"	3/8"	3/8-18	10008B-106	3
11584	1/2"	1/2"	1/2-14	10008B-108	3
11585	5/8"	1/2"	1/2-14	10010B-108	2
11586	3/4"	3/4"	3/4-14	10012B-112	1



Inverted Male Swivel

Part #	Hose I.D.	Tube Size	Thread	WH #	Qty
11581	1/4"	3/16"	3/8-24	10004B-B03	5
11582	1/4"	1/4"	7/16-24	10004B-B04	5
11583	1/4"	5/16"	1/2-20	10004B-B05	5
11683	3/8"	3/8"	5/8-18	10006B-B06	5



Hose Mender

Part #	Hose I.D.	WH #	Qty
11694	1/4"	10004	5
11695	3/8"	10006	5
11696	1/2"	10008	3

Compression Type Brass Tube Fittings



Male Connector

Part #	Tube Size	Pipe Size	WH #	Qty
11054-A	1/8"	1/8"	68 X 2	5
11055-A	3/16"	1/8"	68 X 3	5
11055-1	3/16"	1/4"	68 X 3 X 4	5
11056-A	1/4"	1/8"	68 X 4	5
11056-1	1/4"	1/4"	68 X 4 X 4	5
11057-A	5/16"	1/8"	68 X 5	5
11057-1	5/16"	1/4"	68 X 5 X 4	5
11058-A	3/8"	1/4"	68 X 6	5
11058-1	3/8"	1/8"	68 X 6 X 2	5
11058-2	3/8"	3/8"	68 X 6 X 6	5
11058-3	3/8"	1/2"	68 X 6 X 8	3
11059-A	7/16"	1/4"	68 X 7	3
11059-1	1/2"	1/4"	68 X 8 X 4	3
11060	1/2"	3/8"	68 X 8	3
11060-1	1/2"	1/2"	68 X 8 X 8	3
11060-2	5/8"	1/2"	68 X 10	2
10816	3/4"	1/2"	68 X 12	1



Female Connector

Part #	Tube Size	Pipe Size	WH #	Qty
11053-1	1/8"	1/8"	66 X 2	5
11053-2	1/4"	1/8"	66 X 4	5
11053-3	1/4"	1/4"	66 X 4 X 4	5
11053-A	5/16"	1/8"	66 X 5	5
11053-4	5/16"	1/4"	66 X 5 X 4	5
11053-5	3/8"	1/4"	66 X 6	5



Sleeve

Part #	Tube Size	WH #	Qty
11030	1/8"	60 X 2	5
11031	3/16"	60 X 3	5
11032	1/4"	60 X 4	5
11033	5/16"	60 X 5	5
11034	3/8"	60 X 6	5
11035	7/16"	60 X 7	5
11036	1/2"	60 X 8	5
11175	5/8"	60 X 10	3
11176	3/4"	60 X 12	1



Male Run Tee

Part #	Tube Size	Pipe Size	WH #	Qty
11141	3/16"	1/8"	71 X 3	3
11142	1/4"	1/8"	71 X 4	3
11143	5/16"	1/8"	71 X 5	3
10819	3/8"	1/4"	71 X 6	2



Male Branch Tee

Part #	Tube Size	Pipe Size	WH #	Qty
11145	3/16"	1/8"	72 X 3	3
11146	1/4"	1/8"	72 X 4	3
11147	5/16"	1/8"	72 X 5	3
11062-1	3/8"	1/4"	72 X 6	2
11062-2	1/2"	3/8"	72 X 8	1



Union Tee

Part #	Tube Size	WH #	Qty
11084-1	3/16"	64 X 3	3
11084-2	1/4"	64 X 4	3
11084-3	5/16"	64 X 5	3
11084-4	3/8"	64 X 6	3
11084-5	1/2"	64 X 8	2
11084-6	5/8"	64 X 10	1



Union Elbow

Part #	Tube Size	WH #	Qty
11086-1	3/16"	65 X 3	5
11086-2	1/4"	65 X 4	5
11086-3	5/16"	65 X 5	5
11086-4	3/8"	65 X 6	3
11086-5	1/2"	65 X 8	3



Long Nut

Part #	Tube Size	WH #	Qty
11156	1/4"	1611 X 4	5
11157	5/16"	1611 X 5	5
11158	3/8"	1611 X 6	5
11159	1/2"	1611 X 8	3



Male Elbow

Part #	Tube Size	Pipe Size	WH #	Qty
10817	1/8"	1/8"	69 X 2	5
11063-A	3/16"	1/8"	69 X 3	5
11063-1	3/16"	1/4"	69 X 3 X 4	5
11064-A	1/4"	1/8"	69 X 4	5
11064-1	1/4"	1/4"	69 X 4 X 4	5
11065-A	5/16"	1/8"	69 X 5	5
11065-1	5/16"	1/4"	69 X 5 X 4	5
11066-A	3/8"	1/4"	69 X 6	5
11066-1	3/8"	1/8"	69 X 6 X 2	5
11066-2	3/8"	3/8"	69 X 6 X 6	5
11066-3	1/2"	1/4"	69 X 8 X 4	3
11067-A	1/2"	3/8"	69 X 8	3
11067-1	1/2"	1/2"	69 X 8 X 8	3
10818	5/8"	1/2"	69 X 10	2



Union

Part #	Tube Size	WH #	Qty
11046-A	1/8"	62 X 2	5
11047-A	3/16"	62 X 3	5
11048-A	1/4"	62 X 4	5
11049-A	5/16"	62 X 5	5
11050-A	3/8"	62 X 6	5
11051-A	7/16"	62 X 7	3
11052-A	1/2"	62 X 8	3
11181-A	5/8"	62 X 10	2
11182-A	3/4"	62 X 12	1



Nut

Part #	Tube Size	WH #	Qty
11038	1/8"	61 X 2	5
11039	3/16"	61 X 3	5
11040	1/4"	61 X 4	5
11041	5/16"	61 X 5	5
11042	3/8"	61 X 6	5
11043	7/16"	61 X 7	5
11044	1/2"	61 X 8	5
11178	5/8"	61 X 10	3
11179	3/4"	61 X 12	1



Drain & Shut-Off Cocks

External Seat			
Part #	Pipe Thread	WH #	Qty
11133	1/8"	135	5
1370	1/4"	145	5
11196	3/8"	270	3
11197	1/2"	108	2



Compression Angle

Part #	Pipe Thread	Tube Size	WH #	Qty
11135-1	1/8"	1/4"	A555	2



Drain Cock

Part #	WH #	Qty
1043	135	3

Radiator-Brass-1/8" Pipe Thread, 1-1/8" Length Closed Chevrolet, GM General Purpose



Drain Cock

Part #	WH #	Qty
1042	6788	3

Radiator-Brass-1/4" Taper Pipe Thread, 1-9/16" Long Hose Nipple Chevrolet, GM General Purpose



Angle Bib

Part #	Pipe Thread	WH #	Qty
11136	1/8"	150	3
11138	1/4"	120	3



Drain Cock

Part #	WH #	Qty
1042	6788	3

Radiator-Brass-1/4" Taper Pipe Thread, 1-9/16" Long Hose Nipple Chevrolet, GM General Purpose

Pipe Shut Off

Part #	Male Pipe	Female Pipe	Qty
WH6824	1/8"	1/8"	1
11137	1/4"	1/4"	1

Brass Air Brake Fittings For Nylon Tubing



Union

Part #	Tube Size	WH #	Qty
10749	1/8"	1462 X 2	5
10750	1/4"	1462 X 4	5
10751	3/8"	1462 X 6	5
10752	1/2"	1462 X 8	3
10753	5/8"	1462 X 10	2
10753X	3/4"	1462 X 12	1



Bulk Head

Part #	Tube Size	WH #	Qty
CM55207	1/8"		1
11180	1/4"	1345	1
11180-1	3/8"	1346	1
11180-2	1/2"	1351	1



45 Degree Male Elbow

Part #	Tube Size	Pipe Size	WH #	Qty
10781	1/4"	1/8"	1480 X 4	5
10782	1/4"	1/4"	1480 X 4 X 4	5
10783	3/8"	1/8"	1480 X 6 X 2	5
10784	3/8"	1/4"	1480 X 6	5
10785	3/8"	3/8"	1480 X 6 X 6	5
10786	1/2"	3/8"	1480 X 8	3
10786-1	1/2"	1/2"	1480 X 8 X 8	3
10787	5/8"	1/2"	1480 X 10	2
10787-1	5/8"	3/8"	1480 X 10 X 6	2



Nylon Air Brake Tubing

Part #	O.D.	Feet Per Roll
10858	1/8"	100'
10858-1	5/32"	100'
10859	1/4"	100'
10859-1	5/16"	100'
10860	3/8"	100'
10861	1/2"	100'
10862	5/8"	50'
10863	3/4"	50'



Tube Bulk Head

Part #	Tube Size	WH #	Qty
10730	3/8"		1
10731	1/2"		1



Bulk Head Union

Part #	Tube Size	WH #	Qty
10720	1/4"	1474 X 4	1
10720-1	3/8"	1474 X 6	1
10720-2	1/2"	1474 X 8	1



Brass Air Brake Fittings For Nylon Tubing



DOT Inserts				
Part #	Fits #	Size	WH #	Qty
10854	10858	1/8"		5
10854X	10859	1/4"	2030 X 4A	5
10855	10860	3/8"	2030 X 6	5
10856	10861	1/2"	2030 X 8	5
10857X-1	10862	5/8"	2030 X 10	3
10857XX	10863	3/4"	2030 X 12	1



Inserts - Press In				
Part #	Fits #	WH #	Qty	
10901	1/4"	1484 X 4	5	
10902	3/8"	1484 X 6	5	
10903	1/2"	1484 X 8	5	
10904	5/8"	1484 X 10	3	
10905	3/4"	1484 X 12	1	



Male Connector				
Part #	Tube Size	Pipe Size	WH #	Qty
10761	1/4"	1/8"	1468 X 4	5
10762	1/4"	1/4"	1468 X 4 X 4	5
10762-1	1/4"	3/8"	1468 X 4 X 6	5
10764	3/8"	1/4"	1468 X 6	5
10763	3/8"	1/8"	1468 X 6 X 2	5
10765	3/8"	3/8"	1468 X 6 X 6	5
10765X	3/8"	1/2"	1468 X 6 X 8	3
10765-2	1/2"	1/4"	1468 X 8 X 4	3
10765-1	1/2"	3/8"	1468 X 8	3
10766	1/2"	1/2"	1468 X 8 X 8	3
10766-1	5/8"	3/8"	1468 X 10 X 6	2
10767	5/8"	1/2"	1468 X 10	2
10767-1	3/4"	1/2"	1468 X 12	1



Union Tee				
Part #	Tube Size	WH #	Qty	
10768	1/4"	1464 X 4	3	
10769	3/8"	1464 X 6	3	
10770	1/2"	1464 X 8	2	
10771	5/8"	1464 X 10	1	



Union Elbow 90 Degree				
Part #	Tube Size	WH #	Qty	
10774	1/4"	1465 X 4	5	
10774-1	3/8"	1465 X 6	5	
10774-2	1/2"	1465 X 8	3	
10774-3	5/8"	1465 X 10	1	



90 Degree Male Elbow

Part #	Tube Size	Pipe Size	WH #	Qty
10772	1/4"	1/8"	1469 X 4	5
10773	1/4"	1/4"	1469 X 4 X 4	5
10773-1	1/4"	3/8"	1469 X 4 X 6	5
10776	3/8"	1/4"	1469 X 6	5
10775	3/8"	1/8"	1469 X 6 X 2	5
10777	3/8"	3/8"	1469 X 6 X 6	5
10778	3/8"	1/2"	1469 X 6 X 8	3
10779-1	1/2"	1/2"	1469 X 8 X 8	3
10779	1/2"	3/8"	1469 X 8	3
10778-1	1/2"	1/4"	1469 X 8 X 4	3
10779-2	5/8"	3/8"	1469 X 10 X 6	2
10780	5/8"	1/2"	1469 X 10	2
10780-1	3/4"	1/2"	1469 X 12 X 8	1



Male Branch Tee				
Part #	Tube Size	Pipe Size	WH #	Qty
10790	1/4"	1/8"	1472 X 4	3
10791	3/8"	1/4"	1472 X 6	3
10792	3/8"	3/8"	1472 X 6 X 6	2
10793	1/2"	1/4"	1472 X 8 X 8 X 4	1
10794	1/2"	3/8"	1472 X 8	1

Female Connector

Part #	Tube Size	Pipe Size	WH #	Qty
10757-1	1/4"	1/8"	1466 X 4	5
10757	3/8"	1/4"	1466 X 6	5
10756	3/8"	1/8"	1466 X 6 X 2	5
10758	3/8"	3/8"	1466 X 6 X 6	5
10759	1/2"	1/2"	1466 X 8 X 8	2
10760-1	3/4"	1/2"	1466 X 12	1



Nut

Part #	Tube Size	WH #	Qty
10740	1/4"	1461 X 4	5
10741	3/8"	1461 X 6	5
10742	1/2"	1461 X 8	5
10743	5/8"	1461 X 10	3
10868	3/4"	1461 X 12	1



Sleeve

Part #	Tube Size	WH #	Qty
10745	1/4"	1460 X 4	5
10746	3/8"	1460 X 6	5
10747	1/2"	1460 X 8	5
10748	5/8"	1460 X 10	3
10748-1	3/4"	1460 X 12	1

Air Brake Fittings For Rubber Hose


Sleeve

Part #	Hose I.D.	Qty
W03610	3/8"	5
W03611	1/2"	3


Hose Mender

Part #	Hose I.D.	Qty
W16678	3/8"	3
W16678-8	1/2"	2


Nut

Part #	Hose I.D.	Qty
W03624	3/8"	5
W03625	1/2"	3


Rubber Air Brake Tubing

Part #	O.D.	Feet Per Roll
10857	3/8"	100'
10857-1/2	1/2"	100'


Connector With Spring Guard

Part #	Male P.T.	Hose I.D.	Qty
W15535	1/2"	3/8"	3
W15536	1/4"	3/8"	3
W23907	3/8"	3/8"	3
W23908	3/8"	1/2"	2
W23909	1/2"	1/2"	2


Connector

Part #	Male P.T.	Hose I.D.	Qty
W15539	1/2"	3/8"	3
W15540	1/4"	3/8"	3
W24887	3/8"	3/8"	3
W24888	3/8"	1/2"	2
W24889	1/2"	1/2"	2

Air Brake Fittings For Copper Tubing


Nut

Part #	Tube Size	Qty
W00455	1/4"	5
W00360	3/8"	5
W03755	1/2"	3
W10613	5/8"	2
W03896	3/4"	1


Sleeve

Part #	Tube Size	Qty
W00457	1/4"	5
W00361	3/8"	5
W03754	1/2"	3
W10612	5/8"	2
W03897	3/4"	1


Union

Part #	Tube Size	Qty
W05514	1/4"	5
W05134	3/8"	5
W15710	1/2"	3
W21826	5/8"	2
W16523	3/4"	1


90° Male Elbow

Part #	Tube	Pipe	Qty
W05522	3/8"	1/8"	5
W05539	1/4"	1/8"	5
W24318	1/4"	1/4"	5
W05102	3/8"	1/4"	5
W20475	1/2"	1/4"	3
W05829	3/8"	3/8"	3
W15709	1/2"	3/8"	3
W21993	5/8"	3/8"	2
W22062	3/8"	1/2"	3
W16310	1/2"	1/2"	2
W21825	5/8"	1/2"	1

Male Connector

Part #	Tube	Pipe	Qty
W05127	1/4"	1/8"	5
W05183	1/4"	1/4"	5
W05053	3/8"	1/4"	5
W05509	3/8"	1/8"	5
W17690	1/2"	1/4"	3
W05824	3/8"	3/8"	3
W17525	1/2"	3/8"	3
W16685	5/8"	3/8"	2
W22063	3/8"	1/2"	3
W17691	1/2"	1/2"	2
W16684	5/8"	1/2"	2
W17621	3/4"	1/2"	1
W15762	3/4"	3/4"	1


45° Male Elbow

Part #	Tube	Pipe	Qty
W20722	3/8"	1/4"	5
W20291	3/8"	3/8"	5
W20292	1/2"	3/8"	3
W22065	5/8"	1/2"	1



Hose To Female Pipe

Part #	Hose I.D.	Female Pipe	Qty
FS42	1/4"	1/8"	5
FS44	1/4"	1/4"	5
FS46	1/4"	3/8"	5
FS52	5/16"	1/8"	5
FS54	5/16"	1/4"	5
FS56	5/16"	3/8"	5
FS62	3/8"	1/8"	5
FS64	3/8"	1/4"	5
FS66	3/8"	3/8"	3
FS68	3/8"	1/2"	2
FS86	1/2"	3/8"	2
FS88	1/2"	1/2"	2

Hose Bars



Hose To Male Pipe

Part #	Hose I.D.	Male	Qty
MPT22	1/8"	1/8"	5
MPT32	3/16"	1/8"	5
MPT34	3/16"	1/4"	5
MPT42	1/4"	1/8"	5
MPT44	1/4"	1/4"	5
MPT46	1/4"	3/8"	5
MPT48	1/4"	1/2"	3
MPT52	5/16"	1/8"	5
MPT54	5/16"	1/4"	5
MPT56	5/16"	3/8"	5
MPT62	3/8"	1/8"	5
MPT64	3/8"	1/4"	5
MPT66	3/8"	3/8"	5
MPT68	3/8"	1/2"	3
MPT84	1/2"	1/4"	3
MPT86	1/2"	3/8"	3
MPT88	1/2"	1/2"	3
MPT812	1/2"	3/4"	2
MPT108	5/8"	1/2"	1
MPT1012	5/8"	3/4"	1
MPT128	3/4"	1/2"	1
MPT1212	3/4"	3/4"	1
MPT1612	1"	3/4"	1
MPT1616	1"	1"	1



90 Degree

Part #	Hose I.D.	Male Pipe	Qty
MPT-9032	3/16"	1/8"	5
MPT-9042	1/4"	1/8"	5
MPT-9052	5/16"	1/8"	5
MPT-9054	5/16"	1/4"	5
MPT-9062	3/8"	1/8"	5
MPT-9064	3/8"	1/4"	3
MPT-9066	3/8"	3/8"	3
MPT-9088	1/2"	1/2"	3



Hose To Hose Coupler

Part #	Hose I.D.	Qty
UNB2	1/8"	5
UNB3	3/16"	5
UNB4	1/4"	5
UNB5	5/16"	5
UNB6	3/8"	5
UNB8	1/2"	3
UNB10	5/8"	2
UNB12	3/4"	1
UNB16	1"	1



Heater Hose Nipples

Straight Nipple

Part #	Hose I.D.	Male Pipe	Qty
43SB	1/2"	3/8"	1
44SZ	1/2"	1/2"	1
53SB	5/8"	3/8"	1
54SB	5/8"	1/2"	1
64SB	3/4"	1/2"	1
86SB	1"	3/4"	1
Z Suffix = Zinc Material			
B Suffix = Brass material			



90 Degree Nipple

Part #	Hose I.D.	Male Pipe	Qty
44EZ	1/2"	1/2"	1
54EB	5/8"	1/2"	1
64EZ	3/4"	1/2"	1

Z Suffix = Zinc Material
B Suffix = Brass material

Truck Valves



Hose To Male Pipe

Part #	Hose Size	Pipe Size	WH #	Qty
10810	3/8"	3/8"	1422	1
10811	5/8"	3/8"	1423	1

Split Sleeve Fittings For Nylon Tubing



Male Connector

For Air Operated Shifters

Part #	Tube Size	Pipe Size	Qty
11316	1/8"	1/16"	5
11317	1/8"	1/8"	5
11316-5	5/32"	1/16"	5
11317-5	5/32"	1/8"	5
1/8" Must order tube support separately, Part #10854, 5/32" has a built in tube support.			



Union

For Air Operated Shifters

Part #	Tube Size	Qty
11318X	1/8"	5
11318X-5	5/32"	5
1/8" Must order tube support separately, Part #10854, 5/32" has a built in tube support.		



Split Sleeve

For Air Operated Shifters

Part #	Tube Size	Qty
10744	1/8"	5
10744-5	5/32"	5
1/8" Must order tube support separately, Part #10854, 5/32" has a built in tube support.		



Nut

For Air Operated Shifters

Part #	Tube Size	Qty
11167	1/8"	5
11167-5	5/32"	5
1/8" Must order tube support separately, Part #10854, 5/32" has a built in tube support.		

90 Degree Male Elbow

For Air Operated Shifters

Part #	Tube Size	Pipe Size	Qty
11336X	1/8"	1/8"	5
11336X-5	5/32"	1/8"	5
1/8" Must order tube support separately, Part #10854, 5/32" has a built in tube support.			

Steel Fittings



45° Male JIC to Male Pipe Thread

Part #	Male JIC	Male Pipe	Qty
C5355X4	1/4"	1/8"	5
C5355X4X4	1/4"	1/4"	5
C5355X4X8	1/4"	1/2"	3
C5355X6	3/8"	1/4"	5
C5355X6X6	3/8"	3/8"	3
C5355X8X4	1/2"	1/4"	3
C5355X8	1/2"	3/8"	3
C5355X8X8	1/2"	1/2"	2
C5355X8X12	1/2"	3/4"	2
C5355X10X6	5/8"	3/8"	1
C5355X10	5/8"	1/2"	1



90° Male JIC to Male Pipe Thread

Part #	Male JIC	Male Pipe	Qty
C5405X4	1/4"	1/8"	3
C5405X4X4	1/4"	1/4"	3
C5405X4X6	1/4"	3/8"	3
C5405X4X8	1/4"	1/2"	3
C5405X6X6	3/8"	3/8"	3
C5405X6X8	3/8"	1/2"	3
C5405X8X12	1/2"	3/4"	3
C5405X8X4	1/2"	1/4"	3
C5405X8	1/2"	3/8"	3
C5405X8X8	1/2"	1/2"	2
C5405X10X6	5/8"	3/8"	1
C5045X10	5/8"	1/2"	1
C5045X12	3/4"	1/2"	1
C5045X12X12	3/4"	3/4"	1
C5045X16	1"	3/4"	1
C5045X16X16	1"	1"	1



JIC Hex Plug

Part #	Size	Qty
C5229 X 4	1/4"	5
C5229 X 5	5/16"	5
C5229 X 6	3/8"	5
C5229 X 8	1/2"	3
C5229 X 10	5/8"	2
C5229 X 12	3/4"	1
C5229 X 14	7/8"	1
C5229 X 16	1"	1
C5229 X 20	1-1/4"	1
C5229 X 24	1-1/2"	1

Steel Fittings



Male JIC Union

Part #	Size	Qty
C5305 X2	1/8"	5
C5305 X3	3/16	5
C5305 X4	1/4"	5
C5305 X5	5/16"	5
C5305 X 6 X 4	3/8" X 1/4"	5
C5305 X6 X 5	3/8" X 5/16"	5
C5305 X6 X 6	3/8"	5
C5305 X 8 X 6	1/2" X 3/8"	3
C5305 X 8	1/2"	3
C5305 X 10 X 8	5/8" X 1/2"	2
C5305 X 10	5/8"	1
C5305 X 12	3/4"	1
C5305 X 14	7/8"	1
C5305 X 16	1"	1



JIC Tube Tee

Part #	Size	Qty
C5705 X 4	1/4"	3
C5705 X 5	5/16"	3
C5705 X 6	3/8"	3
C5705 X 8	1/2"	2
C5705 X 10	5/8"	1



90° Female Pipe Swivel to Male Pipe

Part #	Female Pipe	Male Pipe	Qty
WH9405X4X4	1/4"	1/4"	
WH9405X6X4	3/8"	1/4"	
WH9405X6X6	3/8"	3/8"	
WH9405X8X6	1/2"	3/8"	
WH9405X8X8	1/2"	1/2"	



Male JIC to Male Pipe Thread

Part #	Male JIC	Male Pipe	Qty
C5205 X 4	1/4"	1/8"	5
C5205 X 4 X 4	1/4"	1/4"	5
C5205 X 4 X 6	1/4"	3/8"	5
C5205 X 4 X 8	1/4"	1/2"	5
C5205 X 5	5/16"	1/8"	5
C5205 X 5 X 4	5/16"	1/4"	5
C5205 X 5 X 6	5/16"	3/8"	5
C5205 X 5 X 8	5/16"	1/2"	3
C5205 X 6	3/8"	1/4"	3
C5205 X 6 X 6	3/8"	3/8"	3
C5205 X 6 X 8	3/8"	1/2"	3
C5205 X 8 X 4	1/2"	1/4"	3
C5205 X 8	1/2"	3/8"	3
C5205 X 8 X 8	1/2"	1/2"	3
C5205 X 8 X 12	1/2"	3/4"	2
C5205 X 10 X 6	5/8"	3/8"	1
C5205 X 10	5/8"	1/2"	1
C5205 X 12	3/4"	1/2"	1
C5205 X 12 X 12	3/4"	3/4"	1
C5205 X 16	1"	3/4"	1
C5205 X 16 X 16	1"	1"	1



JIC Cap Nut

Part #	Size	Qty
C5129 X 4	1/4"	5
C5129 X 5	5/16"	5
C5129 X 6	3/8"	5
C5129 X 8	1/2"	3
C5129 X 10	5/8"	2
C5129 X 12	3/4"	1
C5129 X 14	7/8"	1
C5129 X 16	1"	1
C5129 X 20	1-1/4"	1
C5129 X 24	1-1/2"	1



JIC Nut Requires Sleeve

Part #	Size	Qty
C5105 X 4	1/4"	5
C5105 X 5	5/16"	5
C5105 X 6	3/8"	5
C5105 X 8	1/2"	3
C5105 X 10	5/8"	2
C5105 X 12	3/4"	1
C5105 X 16	1"	1



Street Elbow

Part #	Pipe	Qty
C3409X4	1/4"	
C3409X6	3/8"	
C3409X8	1/2"	
C3409X12	3/4"	
C3409X16	1"	



Elbow

Part #	Pipe	Qty
C3509X4	1/4"	
C3509X6	3/8"	
C3509X8	1/2"	
C3509X12	3/4"	
C3509X16	1"	

Steel Fittings



Hex Nipple			
Part #	Male Pipe	Male Pipe	Qty
C3069x1	1/16"	1/16"	
C3069x2x1	1/8"	1/16"	
C3069x2	1/8"	1/8"	
C3069x4x2	1/4"	1/8"	
C3069x4	1/4"	1/4"	
C3069x6x2	3/8"	1/8"	
C3069x6x4	3/8"	1/4"	
C3069x6	3/8"	3/8"	
C3069x8x4	1/2"	1/4"	
C3069x8x6	1/2"	3/8"	
C3069x8	1/2"	1/2"	
C3069x12x8	3/4"	1/2"	
C3069x12	3/4"	3/4"	
C3069x16x12	1"	3/4"	
C3069x16	1"	1"	
C3069x20	1-1/4"	1-1/4"	
C3069x24	1-1/2"	1-1/2"	
C3069x32	2"	2"	



Tee		
Part #	Pipe	Qty
C3709X2	1/8"	
C3709X4	1/4"	
C3709X6	3/8"	
C3709X8	1/2"	
C3709X12	3/4"	
C3709X16	1"	



90° Street Elbow		
Part #	F Pipe	M Pipe
C3409X2	1/8"	1/8"
C3409X4	1/4"	1/4"
C3409X6	3/8"	3/8"
C3409X8	1/2"	1/2"
C3409X12	3/4"	3/4"
C3409X16	1"	1"
C3409X20	1-1/4"	1-1/4"



Couplers		
Part #	Pipe	Qty
C3309X4	1/4"	
C3309X6	3/8"	
C3309X8	1/2"	
C3309X12	3/4"	
C3309X16	1"	



Adapter		
Part #	F Pipe	M Pipe
C3209X4X2	1/4"	1/8"
C3209X6X4	3/8"	1/4"
C3209X8X2	1/2"	1/8"
C3209X8X4	1/2"	1/4"
C3209X8X6	1/2"	3/8"
C3209X12X4	3/4"	1/4"
C3209X12X8	3/4"	1/2"
C3209X16X8	1"	1/2"
C3209X16X12	1"	3/4"
C3209X20X16	1-1/4"	1"
C3209X24X20	1-1/2"	1-1/4"
C3209X32X24	2"	1-1/2"

A



Hex Head Plug		
Part #	Pipe	Qty
C3159x2	1/8"	
C3159x4	1/4"	
C3159x6	3/8"	
C3159x8	1/2"	
C3159x12	3/4"	
C3159x16	1"	
C3159x20	1-1/4"	
C3159x24	1-1/2"	
C3159x32	2"	



Bushing		
Part #	M Pipe	F Pipe
C3109x4x2	1/4"	1/8"
C3109x6x2	3/8"	1/8"
C3109x6x4	3/8"	1/4"
C3109x8x2	1/2"	1/8"
C3109x8x4	1/2"	1/4"
C3109x8x6	1/2"	3/8"
C3109x12x4	3/4"	1/4"
C3109x12x6	3/4"	3/8"
C3109x12x8	3/4"	1/2"
C3109x16x6	1"	3/8"
C3109x16x8	1"	1/2"
C3109x16x12	1"	3/4"
C3109x20x8	1-1/4"	1/2"
C3109x20x12	1-1/4"	3/4"
C3109x20x16	1-1/4"	1"
C3109x24x12	1-1/2"	3/4"
C3109x24x16	1-1/2"	1"
C3109x24x20	1-1/2"	1-1/4"
C3109x32x20	2"	1-1/4"
C3109x32x24	2"	1-1/2"



45° Street Elbow		
Part #	F Pipe	M Pipe
C3359X2	1/8"	1/8"
C3359X4	1/4"	1/4"
C3359X6	3/8"	3/8"
C3359X8	1/2"	1/2"
C3359X12	3/4"	3/4"
C3359X16	1"	1



Hydraulics

More Sizes & Styles Available in Stock



Hydraulic Hose

Part No.	Hose Size (Nominal)		Pressure	
	I.D. (Inches)	O.D. (Inches)	Max. Working (PSI)	Min. Burst* (PSI)
SAE100R2AT-1/4	1/4"	0.55	5,000	20,000
SAE100R2AT-3/8	3/8"	0.67	4,000	16,000
SAE100R2AT-1/2	1/2"	0.81	3,500	14,000
SAE100R2AT-5/8	5/8"	0.93	2,750	11,000
SAE100R2AT-3/4	3/4"	1.07	2,250	9,000
SAE100R2AT-1	1 "	1.37	2,000	8,000

Used For: Used as a replacement for SAE 100R2 high pressure hydraulic lines on off-the-road construction equipment, machine tools and mining equipment.

Temperature Range: -40° F to +250° F

Reinforcement: Two high tensile steel wire braids

Cover: Oil and weather resistant synthetic rubber MSHA approved.

Working Pressures: Up to 5,000 PSI



Female 37° Flare (JIC) Swivel

Part #	Hose ID	Thread	Industry Size
108065	1/4"	7/16"-20	4-4FJ
108071	3/8"	9/16"-18	6-6FJ
108072	3/8"	3/4"-16	6-8FJ
108075	1/2"	3/4"-16	8-8FJ
108076	1/2"	7/8"-14	8-10FJ
108079	5/8"	3/4"-16	10-8FJ
108084	3/4"	1-1/16"-12	12-12FJ
108091	1"	1-5/16"-12	16-16FJ

Male 37° Flare (JIC) Swivel

Part #	Hose ID	Thread	Industry Size
108210	1/4"	7/16"-20	4-4MJ
108215	3/8"	9/16"-18	6-6MJ
108218	1/2"	3/4"-16	8-8MJ
108222	5/8"	7/8"-14	10-10MJ
108226	3/4"	1-1/16"-12	12-12MJ
108233	1"	1-5/16"-12	16-16MJ

Male Pipe Rigid

Part #	Hose ID	Thread	Industry Size
108241	1/4"	1/4"-18	4-4MP
108245	3/8"	1/4"-18	6-6MP
108246	3/8"	3/8"-18	6-6MP
108248	1/2"	3/8"-18	8-8MP
108249	1/2"	1/2"-14	8-8MP
108257	3/4"	3/4"-14	12-12MP
108263	1"	1"-11-1/2	16-16MP

Ball Valves

Sold Individually



Miniature Ball Valve

Part #	Size	Type
S35BXO	1/4"	Female-Female
S35BZO	1/4"	Male-Female



Gate Valves

Part #	Size
B242002	1/2"
B242003	3/4"
B242004	1"
B242005	1-1/4"
B242006	1-1/2"
B242008	2"



Ball Valve

Part #	Size	Type
S95B41	1/4"	Female-Female
S95C41	3/8"	Female-Female
S95D41	1/2"	Female-Female
B6000-3/4	3/4"	Female-Female
B6000-1	1"	Female-Female
B6000-11/4	1-1/4"	Female-Female
B6000-11/2	1-1/2"	Female-Female
B6000-2	2"	Female-Female
B6000-21/2	2-1/2"	Female-Female
B6000-3	3"	Female-Female

Glad Hands

Sold Individually



Gladhand Seals

Part #	Description
2156B	Blue Urethane-Double Lip
2156R	Red Urethane-Double Lip
W13630	Black Seal
2156	Black Seal-Double Lip
10440	Double Lip Pie Cut



Gladhands

Part #	Description
W78850	Service
W78851	Emergency
W75150	Universal



Standard Malleable Black Iron Pipe Fittings

Add: **G** for Galvanized, **HD** for Extra Heavy, **SS** for Stainless Steel

Sold Individually



Close Steel Nipples

Part #	Size
13397	1/8"
13398	1/4"
13399	3/8"
13400	1/2"
13401	3/4"
13402	1"
13403	1-1/4"
13404	1-1/2"
13404X2XCL	2"



Hex Bushings

Part #	Size
13348	1/4" X 1/8"
13349	3/8" X 1/8"
13350	3/8" X 1/4"
13351	1/2" X 1/8"
13352	1/2" X 1/4"
13353	1/2" X 3/8"
13353-1	3/4" X 1/8"
13354	3/4" X 1/4"
13355	3/4" X 3/8"
13356	3/4" X 1/2"
13356-1	1" X 1/8"
13356-2	1" X 1/4"
13356-3	1" X 3/8"
13357	1" X 1/2"
13358	1" X 3/4"
13358-1	1-1/4" X 1/4"
13358-2	1-1/4" X 3/8"
13358-3	1-1/4" X 1/2"
13359	1-1/4" X 3/4"
13360	1-1/4" X 1"
13362	1-1/2" X 3/4"
13363	1-1/2" X 1"
13364	1-1/2" X 1-1/4"
13365	2" X 1"
13366	2" X 1-1/4"
13367	2" X 1-1/2"



Tees-Female

Part #	Size
13290	1/8"
13291	1/4"
13292	3/8"
13293	1/2"
13294	3/4"
13295	1"
13296	1-1/4"
13297	1-1/2"
13297X2	2"



Standard Merchant Coupler

Part #	Size
13509	1/8"
13310	1/4"
13311	3/8"
13312	1/2"
13313	3/4"
13314	1"
13315	1-1/4"
13316	1-1/2"
13316-1	2"



Ground Joint Union

Part #	Size
13388	1/8"
13389	1/4"
13390	3/8"
13391	1/2"
13392	3/4"
13393	1"
13394	1-1/4"
13394-1	1-1/2"
13394-2	2"



Reducing Coupling

Part #	Size
13319	1/4" X 1/8"
13320	3/8" X 1/4"
13321	1/2" X 1/4"
13322	1/2" X 3/8"
13323-1	3/4" X 1/4"
13323	3/4" X 1/2"
13324	1" X 3/4"
13325	1-1/4" X 1"
13326	1-1/2" X 1-1/4"



Countersunk Plugs

Part #	Size
J1764	1/8"
J1765	1/4"
J1766	3/8"
J1767	1/2"
13383	3/4"
13384	1"



Caps

Part #	Size
13329	1/8"
13330	1/4"
13331	3/8"
13332	1/2"
13333	3/4"
13334	1"
13335	1-1/4"
13336	1-1/2"
13336-1	2"



90 Degree Elbow - Female

Part #	Size
13250	1/8"
13251	1/4"
13252	3/8"
13253	1/2"
13254	3/4"
13255	1"
13256	1-1/4"
13257	1-1/2"
13258	2"



Standard Malleable Black Iron Pipe Fittings

Add: **G** for Galvanized, **HD** for Extra Heavy, **SS** for Stainless Steel
Sold Individually



Welded Steel Nipples

	1/8" Dia.	1/4" Dia.	3/8" Dia.	1/2" Dia.	3/4" Dia.	1" Dia.	1-1/4" Dia.	1-1/2" Dia.	2" Dia.
1-1/2"	13407	13422	13436	13446	13456				
2"	13408	13423	13437	13447	13457	13466	13403-2		
2-1/2"	13409	13424	13438	13448	13457-1/2	13466-1/2	13403X21/2	13404X21/2	13404X2X21/2
3"	13410	13425	13439	13449	13458	13467	13403X3	13404X3	13404X2X3
3-1/2"	13411	13426	13439-1/2	13449-1/2	13458-1/2	13467-1/2	13403X31/2	13404X31/2	13404X2X31/2
4"	13412	13427	13440	13450	13459	13468	13403X4	13404X4	13404X2X4
5"	13414	13429	13441	13451	13460	13469	13403X5	13404X5	13404X2X5
6"	13415	13430	13442	13452	13461	13470	13403X6	13404X6	13404X2X6
8"		13430-8	13442-5	13451-8	13461X8	13470-8	13403X8	13404X8	13404X2X8



45 Degree Elbow - Female

Part #	Size
13260	1/8"
13261	1/4"
13262	3/8"
13263	1/2"
13264	3/4"
13265	1"
13266	1-1/4"
13267	1-1/2"



"Y" Fitting

Part #	Size
13293Y	1/2"
13294Y	3/4"
13295Y	1"
13296Y	1-1/4"
13297Y	1-1/2"



Street Tees

Part #	Size
13301	1/4"
13302	3/8"
13303	1/2"
13304	3/4"
13305	1"
13306	1-1/4"



King Nipple

Part #	Size
13402KING	1"
13403KING	1-1/4"
13404KING	1-1/2"
13404-2KING	2"
13404-2-1/2KING	2-1/2"



Cross

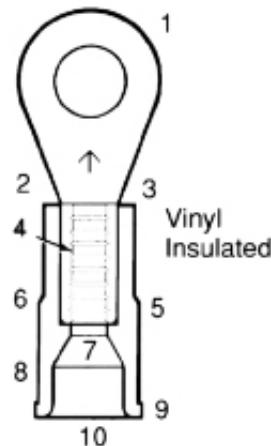
Part #	Size
C13290	1/8"
C13291	1/4"
C13292	3/8"
C13293	1/2"
C13294	3/4"
C13295	1"
C13296	1-1/4"
C13297	1-1/2"
C13297-2	2"



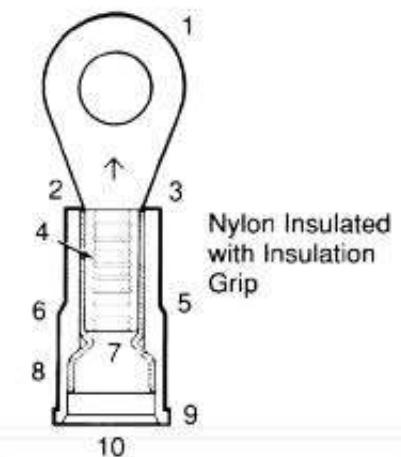
90 Degree Street Elbow

Part #	Size
13270	1/8"
13271	1/4"
13272	3/8"
13273	1/2"
13274	3/4"
13275	1"
13276	1-1/4"
13277	1-1/2"
13277-1	2"

Terminal Construction and Barrel Styles

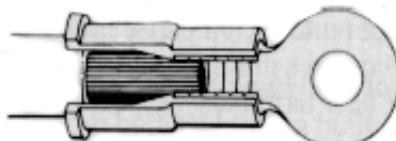
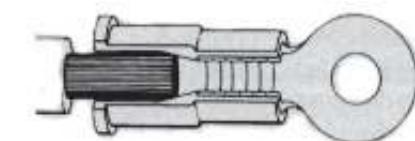


1. One-piece, burr free construction for maximum electrical conductivity. electro-tin plating for maximum corrosion resistance. Annealed to relieve stress points and assure maximum installed strengths.
2. Barrel-to-pad transition designed to minimize flexing and bending.
3. Open-end design permits visual inspection of wire location before and after crimping.
4. Multiple "V" grooves in #24-4 awg parts for maximum holding power and current flow.
5. Injection Molded Insulation provides the highest quality terminals in the industry.
 - 105°C rated, tough, resistant electrical grade materials
 - Molding insures consistent wall thickness for maximum reliability after crimping.
 - Molding affords funnel barrel construction for easier installation.
 - Molding offers the crimp ridge and non-slip ridge.
6. Crimp ridge designed for positive location of tool on terminal barrel which means fewer miscrimps.
7. Funnel Barrel construction provides excellent electrical and mechanical connections.
 - Positive and easy wire insertion
 - Eliminates strand hangups.
 - No wire twisting.
 - Insures good crimp contact and electrical conductivity.
 - Nylon insulated terminals feature a brass sleeve for optimum grip on insulation, strain relieve and vibration protection. Sleeve is recessed for excellent flash-over protection.
8. Non Slip Ridge so tool slides to end of terminal for proper crimp and better workmanship.
9. Beveled leading edges for easy insulation entry.



1. Funnel design guides wire into position

2. No wire strand hangup as wire is inserted.
Fast positive installation.



C-1

Standard Crimp Terminal and Connector Specification

Materials Crimp terminals and connectors are to be burr-free, annealed and tin-plated ETP copper. Barrels shall be .25" long with brazed seams where specified. Insulation grip sleeves are to be tin-plated brass and attached securely to barrel. Terminals insulators are to be molded polyvinyl chloride or nylon and be UL listed and CSA certified for 600V. And 105OC. Connector insulators are to be extruded polyvinyl chloride or nylon with the same ratings. **Construction** All Insulated terminals are to have funnel entry construction to prevent strand hangup and a crimp ridge for proper tool location. Nylon insulated terminals and connectors are to have butted seam barrels with insulation grip sleeves. All Terminals barrels are to have multiple "V" grooves for maximum retention.

Insulators are to be colored-coded red (22-18 awg), blue (16-14 awg, yellow(12-10 awg), red (#8), blue (#6), and yellow (#4) for conductor sizes.

3. Wire in place ready for crimping.



Nylon Terminals



Red Butt Connector

Part #	Wire Size	Style	Pkg
23014	22-18	Regular	50
23015	22-18	Flared	50
61-NB	22-18	Ins. Grip	50
61-NBM	22-18	Grease Filled	50



Blue Butt Connector

Part #	Wire Size	Style	Pkg
23064	16-14	Regular	50
23064-14	16-14/22-18	Step Down	25
23065	16-14	Flared	50
62-NB	16-14	Ins. Grip	50
62NBM	16-14	Grease Filled	50



Yellow Butt Connector

Part #	Wire Size	Style	Pkg
23114	12-10	Regular	50
23114SD	12-10/16-14	Step Down	25
63-NB	12-10	Insulation Grip	50
63NBM	12-10	Grease Filled	50
23115	12-10	Flared	50



Red Ring Tongue

Part #	Wire Size	Stud Size	Pkg
23000	22-18	#4	50
23001	22-18	#6	50
23002	22-18	#6-S	50
23003	22-18	#8	50
23004	22-18	#10	50
23005	22-18	1/4"	50
23006	22-18	5/16"	50
23007	22-18	3/8"	50



Blue Ring Tongue

Part #	Wire Size	Stud Size	Pkg
23050	16-14	#4	50
23051	16-14	#6	50
23052	16-14	#6-S	50
23053	16-14	#8	50
23054	16-14	#10	50
23055	16-14	1/4"	50
23056	16-14	5/16"	50
23057	16-14	3/8"	50



Yellow Ring Tongue

Part #	Wire Size	Stud Size	Pkg
23100	12-10	#8	50
23101	12-10	#8-S	50
23102	12-10	#10	50
23103	12-10	1/4"	50
23104	12-10	5/16"	50
23105	12-10	3/8"	50
23106	12-10	1/2"	50



Red Male Snap Plugs

Part #	Wire Size	Tab Size	Pkg
23029	22-18	156	50
23030	22-18	180	50



Blue Male Snap Plugs

Part #	Wire Size	Tab Size	Pkg
23079	16-14	156	50
23080	16-14	180	50



Yellow Male Snap Plugs

Part #	Wire Size	Tab Size	Pkg
23129	12-10	156	50



Red Female Snap Plugs

Part #	Wire Size	Tab Size	Pkg
23031	22-18	156	50
23032	22-18	180	50

Blue Female Snap Plugs

Part #	Wire Size	Tab Size	Pkg
23081	16-14	156	50
23082	16-14	180	50



Red Hook Tongue

Part #	Wire Size	Stud Size	Pkg
23008	22-18	#6	50
23009	22-18	#8	50
23010	22-18	#10	50



Blue Hook Tongue

Part #	Wire Size	Stud Size	Pkg
23058	16-14	#6	50
23059	16-14	#8	50
23060	16-14	#10	50



Yellow Hook Tongue

Part #	Wire Size	Stud Size	Pkg
23108	12-10	#6	50
23109	12-10	#8	50
23110	12-10	#10	50

Nylon Terminals



Red Male Quick Slide

Part #	Wire Size	Tab Size	Pkg
23020	22-18	187	50
23021	22-18	250	50



Red Female Quick Slide

Part #	Wire Size	Tab Size	Pkg
23022	22-18	110	50
23023	22-18	187	50
23024	22-18	250	50



Red Fully Insulated Male Quick Slide

Part #	Wire Size	Tab Size	Pkg
23025	22-18	187	50
23026	22-18	250	50



Red Fully Insulated Female Quick Slide

Part #	Wire Size	Tab Size	Pkg
23027	22-18	187	50
23028	22-18	250	50



Red Block Spade

Part #	Wire Size	Stud Size	Pkg
23016	22-18	#6-S	50
23017	22-18	#8	50
23018	22-18	#10	50



Red Snap Spade

Part #	Wire Size	Stud Size	Pkg
23011	22-18	6-S	50
23012	22-18	8	50
23013	22-18	10	50



Blue Male Quick Slide

Part #	Wire Size	Tab Size	Pkg
23070	16-14	187	50
23071	16-14	250	50



Blue Female Quick Slide

Part #	Wire Size	Tab Size	Pkg
23072	16-14	110	50
23073	16-14	187	50
23074	16-14	250	50



Yellow Male Quick Slide

Part #	Wire Size	Tab Size	Pkg
23121	12-10	250	50



Yellow Female Quick Slide

Part #	Wire Size	Tab Size	Pkg
23124	12-10	250	50



Blue Fully Insulated Male Quick Slide

Part #	Wire Size	Tab Size	Pkg
23075	16-14	187	50
23076	16-14	250	50



Blue Fully Insulated Female Quick Slide

Part #	Wire Size	Tab Size	Pkg
23077	16-14	187	50
23078	16-14	250	50



Yellow Fully Insulated Female Quick Slide

Part #	Wire Size	Tab Size	Pkg
23128	12-10	250	50



Yellow Block Spade

Part #	Wire Size	Stud Size	Pkg
23116	12-10	#6-S	50
23117	12-10	#8	50
23118	12-10	#10	50



Blue Block Spade

Part #	Wire Size	Stud Size	Pkg
23066	16-14	#6-S	50
23067	16-14	#8	50
23068	16-14	#10	50



Blue Snap Spade

Part #	Wire Size	Stud Size	Pkg
23200	16-14	6	50
23201	16-14	8	50
23202	16-14	10	50

Nylon Terminals



Trailer Pin Connector

Part #	Wire Size	Pkg
23029-P	22-18	50



Trailer Pin Connector

Part #	Wire Size	Pkg
23079-P	16-14	50



Trailer Pin Connector

Part #	Wire Size	Pkg
23129-P	12-10	50



Red Piggy Back

Part #	Wire Size	Tab Size	Pkg
18577	22-18	.250	20



Blue Piggy Back

Part #	Wire Size	Tab Size	Pkg
18578	16-14	.250	50



Clear Double Snap Plug Connector

Part #	Tab Size	Pkg
18559	.156	25



Female T-Taps

Part #	Wire Size	Tab Size	Color
23210	22-18	.250	Red
23211	16-14	.250	Blue
23212	12-10	.250	Yellow

For use with 23026, 26076, 23126



Scotch-Locks

Part	Wire Size	Wire Size	Color
23220	22-18	Pigtail	Red
23221	22-18	18-14	Red
23222	18-14	18-14	Blue
23223	18-14	18-14	White
23224	18-14	12-10	Brown
23225	12-10	12-10	Yellow
23226	18-14	18-14	Blue W/Sealant



Bell Caps

Part #	Wire Size	Size	Pkg
23250	22-14	Small	100
23251	22-16	Medium	100
23252	18-10	Large	50
23253	12-10	X-Large	50



Posi-Lock Terminals

Part #	Wire Szie	Max Cable Dia	Max Current	Pkg
PL-1218	22 to 18	.150	30 Amp	5



314 Sealant Filled

Protects contact against corrosion in damp conditions.

- Marine
- Electrical Brakes
- Vehicle Undercarriages
- Lighted Running Boards
- Exposed Lighting and Controls
- Low Voltage (30 Volt or Less)
- Landscape Lighting (aboveground)
- Street Decorations

314U Without Sealant

For use in dry situations.

- Portable Lamp Manufacturing
- Meets Requirements of UL 153
- OEM
- Small Appliances
- Vending Ice Machines
- Wire Harness
- Vehicles

Self Stripping Wire Connectors

Part #	Description
314	With Sealant
314U	W/O Sealant

Solder Heat Shrink Terminals

Elektralink

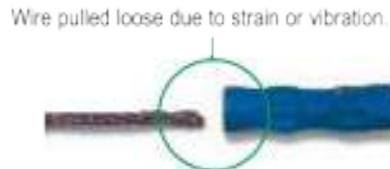
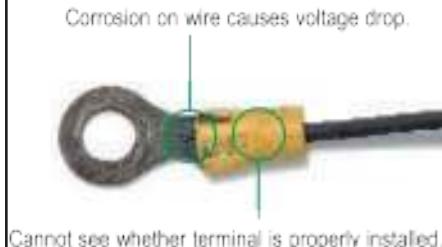
Elektralink is the clear choice of professionals who demand a superior electrical connection. Elektralink provides a high quality, sealed solder connection that takes the guess work out of soldering. Don't settle for the average connector . . . Get Elektralink, the best connector available!

Feature and Benefits of Using Elektralink

- Translucent, adhesive-lined polyolefin tubing allows visual inspection, prevents wire corrosion, and provides a waterproof seal.
- Easy installation with pre-measured solder takes the guess work out of the soldering process.
- A soldered electrical connection provides superior current flow and tensile strength.
- Color-coded tubing with wire gauge imprint provides easy identification of the correct part for the job.

REDUCE RECURRING ELECTRICAL PROBLEMS

PROBLEMS:



Standard terminal thickness
(Red & Blue)



Corrosion on wire causes voltage drop.

Wire pulled loose due to strain or vibration.

SOLUTIONS:

Adhesive-lined tubing
prevents corrosion on the wire.



Solder termination provides maximum
tensile strength & conductivity



Greater material thickness of
terminal bare part - 25% more copper



Translucent tubing allows visual
inspection of installation.

Easy To Install



Solder Heat Shrink Terminals

Sold In Quantities 25



Butt Connectors

Part #	Wire Size	Length	Color
ELA5-20	20-24	1.0	Clear
ELA5-16	18-20	1.25	Red
ELA5-14	14-16	1.625	Blue
ELA5-10	10-12	1.75	Yellow

14-16 AWG Blue

Part #	Desc.	Stud	Width	Length	Thickness
ELA-114-08	Ring	#8	.350	1.4375	.040
ELA-114-10	Ring	#10	.350	1.4375	.040
ELA-114-14	Ring	1/4"	.550	1.6175	.040
ELA-114-38	Ring	3/8"	.550	1.6175	.040
ELA-214-10	Spade	#10	.350	1.4375	.040



18-20 AWG Red

Part #	Desc.	Stud	Width	Length	Thickness
ELA-116-06	Ring	#6	.350	1.4375	.040
ELA-116-08	Ring	#8	.350	1.4375	.040
ELA-116-10	Ring	#10	.350	1.4375	.040
ELA-116-14	Ring	1/4"	.550	1.6175	.040
ELA-216-10	Spade	#10	.350	1.4375	.040

10-12 AWG Yellow

Part #	Desc.	Stud	Width	Length	Thickness
ELA-110-10	Ring	#10	.350	1.4375	.040
ELA-110-14	Ring	1/4"	.550	1.6175	.040
ELA-110-38	Ring	3/8"	.550	1.6175	.040
ELA-110-12	Ring	1/2"	.680	1.7775	.040
ELA-210-10	Spade	#10	.350	1.4375	.040

Heat Shrink Connectors

Sold In Quantities 25



Red Butt

Part #	Wire Size
23014-ST	22-18



Blue Butt

Part #	Wire Size
23064-ST	16-14
23014SD-ST	16-14 TO 22-18



Yellow Butt

Part #	Wire Size
23114-ST	12-10
23114SD-ST	12-10 TO 16-14



Red Butt

Part #	Wire Size
23440-ST	8 Gauge



Red Spade

Part #	Wire Size	Stud Size
23012-ST	22-18	6-8
23013-ST	22-18	8-10



Blue Spade

Part #	Wire Size	Stud Size
23062-ST	16-14	6-8
23063-ST	16-14	6-10



Yellow Spade

Part #	Wire Size	Stud Size
23112-ST	12-10	6-8
23113-ST	12-10	8-10



Blue Male Snap Plug

Part #	Wire Size	Tab Size
23079-ST	16-14	.156
23080-ST	16-14	.180



Blue Female Snap Plug

Part #	Wire Size	Tab Size
23081-ST	16-14	.156
23082-ST	16-14	.180



Heat Shrink Connectors

Sold In Quantities



Red Ring		
Part #	Wire Size	Stud Size
23001-ST	22-18	#6
23003-ST	22-18	#8
23004-ST	22-18	#10
23005-ST	22-18	1/4"
23006-ST	22-18	3/8"



Blue Ring		
Part #	Wire Size	Stud Size
23051-ST	16-14	#6
23053-ST	16-14	#8
23054-ST	16-14	#10
23055-ST	16-14	1/4"
23056-ST	16-14	5/16"
23057-ST	16-14	3/8"



Yellow Ring		
Part #	Wire Size	Stud Size
23100-ST	12-10	#8
23102-ST	12-10	#10
23103-ST	12-10	1/4"
23104-ST	12-10	5/16"
23105-ST	12-10	3/8"
23106-ST	12-10	1/2"



Part #	Wire Size	Stud Size
23440-ST	8 Ga.	#10
23430-ST	8 Ga.	1/4"
23431-ST	8 Ga.	5/16"
23432-ST	8 Ga.	3/8"



Red Female Quick Slide		
Part #	Wire Size	Tab Size
23024-ST	22-18	.250



Blue Female Quick Slide		
Part #	Wire Size	Tab Size
23074-ST	16-14	.250



Part #	Wire Size	Tab Size
23124-ST	12-10	.250



Red Male Quick Slide		
Part #	Wire Size	Tab Size
23021-ST	22-18	.250



Part #	Wire Size	Tab Size
23071-ST	16-14	.250



Part #	Wire Size	Tab Size
23121-ST	12-10	.250



Red Female Fully Insulated Quick Slide		
Part #	Wire Size	Tab Size
23028-ST	22-18	.250



Part #	Wire Size	Tab Size
23078-ST	16-14	.250



Part #	Wire Size	Tab Size
23128-ST	12-10	.250



Red Male Fully Insulated Quick Slide		
Part #	Wire Size	Tab Size
23026-ST	22-18	.250



Part #	Wire Size	Tab Size
23076-ST	16-14	.250



Part #	Wire Size	Tab Size
23126-ST	12-10	.250



Multi Link

Sealed for Reliability

MultiLink is crimped for maximum reliability, soldered for strength and conductivity, and sealed for superior durability. When there is no margin for error, choose MultiLink...the ultimate connector for splicing wires

Features & Benefits of Using MultiLink

- High quality brazed seam crimp connector
- Provides a secure mechanical connection
- Pre-fluxed, low temperature solder
- Delivers superior current flow and tensile strength
- Translucent, adhesive-lined heat shrink tubing
- Allows for visual inspection and provides a seal against corrosion
- Crimped, Soldered, and sealed connection
- Meets or exceeds the most stringent OEM standards



The Crimp Connector:

- Zippered brazed seam for superior crimp performance
- Window for visual inspection
- Wire stop to prevent over-insertion
- Serrated inner barrel for extra crimp strength



The Solder:

- Flux coating to clean metal surfaces
- Pre-measured solder to deliver the right amount
- Low-temp solder alloy for ease of installation



The Heat Shrink Tubing:

- Adhesive-lined polyolefin to seal the connection
- Color-coded with wire gauge imprint for easy size identification
- Translucent tubing to allow for visual inspection



Multi Link Terminals

Sold In Quantities 25



Red Ring

Part #	Wire Size	Stud Size
ML116-06	18-20	#6
ML116-08	18-20	#8
ML116-10	18-20	#10
ML116-14	18-20	1/4"
ML116-516	18-20	5/16"



Blue Ring

Part #	Wire Size	Stud Size
ML114-06	14-16	#6
ML114-08	14-16	#8
ML114-10	14-16	#10
ML114-14	14-16	1/4"
ML114-38	14-16	3/8"



Yellow Ring

Part #	Wire Size	Stud Size
ML110-10	10-12	#10
ML110-14	10-12	1/4"
ML110-516	10-12	5/16"
ML110-38	10-12	3/8"
ML110-12	10-12	1/2"



Multi Link

Sold In Quantities 25



Red Butt

Part #	Wire Size
ML5-16	18-20



Blue Butt

Part #	Wire Size
ML5-14	14-16
ML56-16	16-14 TO 22-18



Yellow Butt

Part #	Wire Size
ML5-10	10-12
ML56-14	12-10 TO 16-14



Red Spade

Part #	Wire Size	Stud Size
ML216-06	18-20	#6
ML216-08	18-20	#8
ML216-10	18-20	#10



Blue Spade

Part #	Wire Size	Stud Size
ML214-06	14-16	#6
ML214-08	14-16	#8
ML214-10	14-16	#10



Yellow Spade

Part #	Wire Size	Stud Size
ML210-06	10-12	#6
ML210-08	10-12	#8
ML210-10	10-12	#10



Red Spring Spade

Part #	Wire Size	Stud Size
ML316S-06	18-20	#6
ML316S-08	18-20	#8
ML316S-10	18-20	#10



Blue Spring Spade

Part #	Wire Size	Stud Size
ML314S-06	14-16	#6
ML314S-08	14-16	#8
ML314S-10	14-16	#10



Yellow Spring Spade

Part #	Wire Size	Stud Size
ML310S-06	10-12	#6
ML310S-08	10-12	#8
ML310S-10	10-12	#10



Red Female Quick Slide

Part #	Wire Size	Tab Size
ML6-18-250F	22-18	.250



Blue Female Quick Slide

Part #	Wire Size	Tab Size
ML6-14-250F	16-14	.250



Yellow Female Quick Slide

Part #	Wire Size	Tab Size
ML6-10-250F	12-10	.250



Red Female Insulated QS

Part #	Wire Size	Tab Size
ML6-18-250FF	22-18	.250



Blue Female Insulated QS

Part #	Wire Size	Tab Size
ML6-14-250FF	16-14	.250



Yellow Female Insulated QS

Part #	Wire Size	Tab Size
ML6-10-250FF	12-10	.250



Red Male Quick Slide

Part #	Wire Size	Tab Size
ML6-18-250M	22-18	.250



Blue Male Quick Slide

Part #	Wire Size	Tab Size
ML6-14-250M	16-14	.250



Yellow Male Quick Slide

Part #	Wire Size	Tab Size
ML6-10-250M	12-10	.250



Large Guage Terminals

Sold In Quantities 25



Red Large Gauge Butt

Part #	Wire Size
23440	8 Ga.



Blue Large Gauge Butt

Part #	Wire Size
23441	6 Ga.



Yellow Large Gauge Butt

Part #	Wire Size
23442	4 Ga.



Red Large Gauge Rings

Part #	Wire Size	Stud Size
23429	8	#10
23430	8	1/4"
23431	8	5/16"
23432	8	3/8"
23433	8	1/2"



Blue Large Gauge Rings

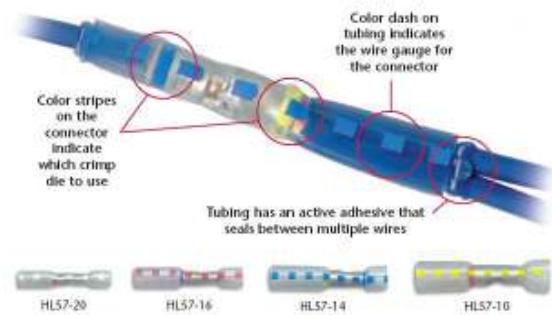
Part #	Wire Size	Stud Size
23437	6	5/16"
23438	6	3/8"
23439	6	1/2"

Hydralink Terminals

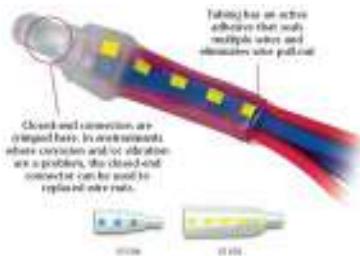
Sold In Quantities 25

Hydralink In-Line Butt Connectors

Part #	Wire Size	Tubing Color	Color Stripe	Wire
HL57-20	24-22	Clear / White Dashes	White / Red	One 24-22 Two 24-22
HL57-16	20-18	Clear / Red Dashes	Red / Blue	One 20-18 Two 20-18
HL57-14	16-14	Clear / Blue Dashes	Blue / Yellow	One 16-14 Two 16-14
HL57-10	12-10	Clear / Yellow Dashes	Yellow / Red	One 12-10 Two 12-10



HL57-20 HL57-16 HL57-14 HL57-10



Hydralink Bell Caps

Part #	Wire Size	Tubing Color
HL8-22-14	22-14	Clear / Blue Dashes
HL8-18-10	18-10	Clear / Yellow Dashes



Multi-Connect Wire Terminals

Sold In Quantities 25



3-Way Connector

Part #	Wire Size	Color
23425-1	22-18	Red
23425	16-14	Blue
23426	12-10	Yellow



4-Way Connector

Part #	Wire Size	Color
23427	16-14	Blue
23428	12-10	Yellow

Uninsulated Terminals

Sold In Quantities 50



Flag Quick Slides

Part #	Wire Size	Stud Size
23504	18-14	.250



Fuse Taps

Part #	Fuse Type
23505	Glass
23506	ATO
23506-1	ATO-Mini



Butt Connectors

Part #	Wire Size	Parallel
23495	22-18	-----
23496	16-14	-----
23497	12-10	-----
23498	8	23498-1
23499	6	23499-1
23500	4	23500-1
23501	2	23501-1
23502	1/O	23502-1
23503	2/O	23503-1
23503-3/O	3/O	
23503-4/O	4/O	



Hook Tongue

Part #	Wire Size	Stud Size
23481	22-18	#8
23482	16-14	#8
23483	12-10	#8



Open Barrel Female Quick Slides

Part #	Wire Size	Stud Size
23508	22-10	.250



Spade Tongue

Part #	Wire Size	Stud Size
23486-1	22-18	#6
23486-2	22-18	#10



Block Spade

Part #	Wire Size	Stud Size
23486	22-18	#8
23484	16-14	#6
23487	16-14	#8
23484-1	16-14	#10
23488	12-10	#8
23488-1	12-10	#6
23485	12-10	#10



Special Quick Slides

Part #	End #1	End #2
23507	1/4" Female	2, 1/4" Male



Male Quick Slide

Part #	Wire Size	Stud Size
23492	22-18	.250
23493	16-14	.250
23494	12-10	.250

Female Quick Slides

Part #	Wire Size	Stud Size
23489	22-18	.250
23490	16-14	.250
23491	12-10	.250

Uninsulated Terminals

Sold In Quantities 50



High Temperature Ring Tongue

Part #	Wire Size	Stud Size
23512	22-18	#10
23516	16-14	#10
23510	12-10	#10



High Temperature Butt Connector

Part #	Wire Size
23545	22-18
23546	16-14
23547	12-10



Ring Tongue

Part #	Wire Size	Stud Size
23450	22-18	#6-S
23451	22-18	#8
23452	22-18	#10
23453	22-18	1/4"
23454	16-14	#6-S
23455	16-14	#8
23456	16-14	#10
23457	16-14	1/4"
23458	16-14	5/16"
23459	16-14	3/8"
23460	12-10	#10
23461	12-10	1/4"
23462	12-10	5/16"
23463	12-10	3/8"
23464	8	1/4"
23465	8	5/16"
23466	8	3/8"
23467	8	1/2"
23468	6	1/4"
23469	6	5/16"
23470	6	3/8"
23471	6	1/2"
23472	4	1/4"
23473	4	5/16"
23474	4	3/8"
23475	4	1/2"
23476	2	5/16"
23477	2	3/8"
23478	2	1/2"
23479-1	1/0	3/8"
23480-1	1/0	1/2"
23479	2/0	3/8"
23480	2/0	1/2"
23480-2	3/0	3/8"
23480-3	3/0	1/2"
23480-4	4/0	3/8"
23480-5	4/0	1/2"



High Temperature Female Quick Slides

Part #	Wire Size	Stud Size
23540	16-14	.250



High Temperature Male Quick Slide

Part #	Wire Size	Stud Size
23543	16-14	.250



High Temperature Flag Quick Slide

Part #	Wire Size	Stud Size
23554	18-14	.250



Wire Nuts

Sold In Quantities 25



Soft Wire Nuts

Part #	Size	Color
23255	22-10	Yellow
23256	18-10	Red
23257	14-8	Grey
23258	12-6	Blue



Combination Wire Nuts

Part #	Size	Color
M43154	2#18 Through 2#8	Red/Yellow



Wing Nut Hand Driver

Part #	Description	Pkg
WCD-H	Hand Driver	1

Hard Wire Nuts

Part #	Size	Color
23260	22-16	Gray
23261	22-16	Blue
23262	18-14	Orange
23263	18-14	Yellow
23264	18-12	Red



Wing Lock Wire Connectors

Part #	Wire Ring	Min. Wires	Max Wires
WL-Y	22-10	2 of #18	3 of #12 SOL
WL-R	18-8	2 of #16	5 of #12 SOL
WL-G	18-8	2 of #12	3 of #10 w/1 of #12
WL-B	14-6	1 of #10 w/ 1 of #12	1 of #6 w/2 of #8



Wing Nut Driver

Part #	Description	Pkg
WCD-P	Drill Driver	1



Test & Charging Clips

Sold Individually



Test Probes 2" w/Handles

Part #	Description
215-1	Black Handle
215-2	Red Handle
215H	Red/Black Handle Combo



Mini Test Clips 1" Miniature

Part #	Description
217H	Clip only
217-1	Black Boot w/Clip
217-2	Red Boot w/Clip
220H	Red/Black Boot Combo w/Clips

Charging Clips

Part #	Description
240	5 Amp
241	10 Amp
242	25 Amp
245	50 Amp



Standard Test Clips 2" Regular

Part #	Description
218H	Clip Only
218-1	Black boot w/Clip
218-2	Red Boot w/Clip
221H	Red/Black Boot Combo w/Clips

Delphi 56 Series Connectors

Sold Individually



L: 24.2 H: 16.8
W: 16.7

Part No: 02973385

Description: Connector 2F

Size: 24.2L x 16.8H x 16.7W

Color: Black

Material: PP

Typical App: Various



B. Part No: 12052978

Description: Connector 6F

Size: 24.8L x 31.7H x 31.3W

Color: Natural

Material: PP

Typical App: Switch



Female Terminal Series 56

Part #	Cable Range (mm ²)	Material	Plating
12124517	2.0-1.0	Brass	Tin
12124519	3.0	Brass	Tin

Delphi 280 Series Connectors

Sold Individually



Cavity Plug

Part #	Cavity ID	Material	Color
12010300	9.7 mm	Silicone	Green



Male Terminal 280 Series

Part #	Cable Range (mm ²)	Material	Plating
12048254	3.0	Tin Brass	Tin
12129497	3.0-2.0	Tin Brass	Tin
12048159	0.80-0.50	Tin Brass	Tin



Female Terminal 280 Series

Part #	Cable Range (mm ²)	Material	Plating
12077413	3.0	Tin Brass	Tin
12129493	3.0-2.0	Tin Brass	Tin
12077411	1.0-0.80-0.50	Tin Brass	Tin



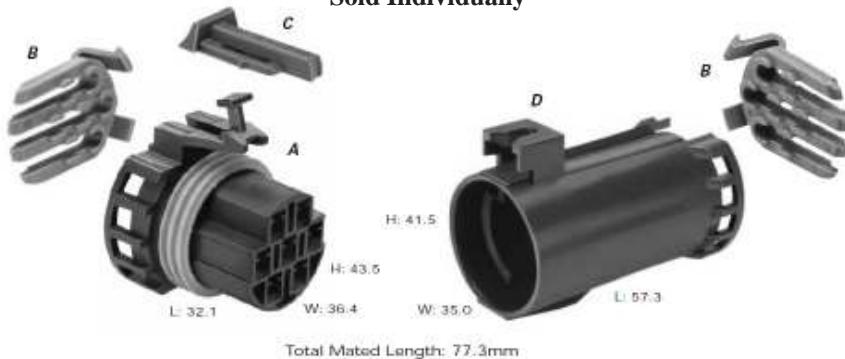
Cable Seal

Part #	Cable Dia.	Material	Color
15324981	4.30-3.45	Silicone	Blue
15324980	3.49-2.81	Silicone	Gray
15324982	2.85-2.03	Silicone	Green



Delphi 280 Series Connectors

Sold Individually



Part No: 12110751

Description: Connector Assembly 7F

Size: 32.1L x 43.5H x 36.4W

Material: PA66 HS IM

Seals/Plugs: See Page 2.30, 2.31

Part No: 12052834

Description: CPA

Color: Green

Material: PP

Part No: 12110754

Description: TPA

Number Req: 2

Color: Lt. Gray

Material: PA66 HS IM

Part No: 12110753 (Black)

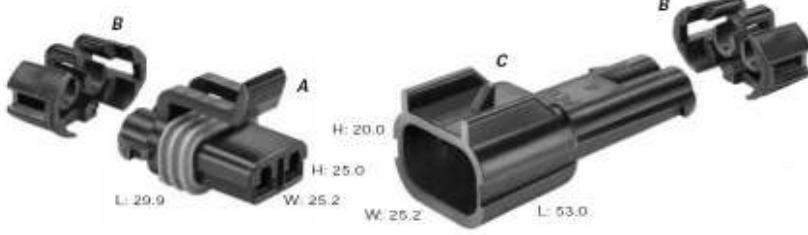
Description: Connector 7M

(Clip Slot-Self Locking)

Size: 57.3L x 41.5H x 35.0W

Material: PA66 HS IM

Seals/Plugs: See Page 2.30, 2.31



Part No: 15300027

Description: Connector Assembly 2F

Size: 29.9L x 25.0H x 25.2W

Color: Black

Material: PA66 HS IM

Part No: 15300014

Description: TPA

Number Req.: 2

Color: Blue

Material: PA66 HS IM

C

Part No: 15300002

Description: Connector 2M

Size: 53.0L x 20.0H x 25.2W

Color: Black

Material: PA66 HS IM

Delphi 280 GT Series Connectors

Sold Individually



Part No: 15317832

Description: CPA

Color: Gray

Material: PA6 10% GF & 20% GB



Part No: 13518845

Description: Connector Assembly 2F

Size: 29.3L x 23.1H x 26.8W

Color: Black

Material: PBT 20% GF



Cavity Plug

Part #	Cavity Dia.	Material	Color
15305170	5.8	Silicone	White



Cable Seal

Part #	Cable Dia.	Material	Color
12191235	3.40-3.90	Silicone	Purple



Female Terminal 280 GT Series

Part #	Cable Range (mm ²)	Material	Plating
15304719	1.00-0.75	Tin Brass	Tin
15304720	3.00-1.50	Tin Brass	Tin
15326004	5.00-4.00	Beryllium Copper	Tin



Male Terminal 280 GT Series

Part #	Cable Range (mm ²)	Material	Plating
15304731	1.00-0.75	Tin Brass	Tin
15304732	3.00-1.50	Tin Brass	Tin

Delphi 630 Series Connectors

Sold Individually



Part No: 12033769

Description: Connector Assembly 2F

Size: 31.5L x 20.0H x 27.3W

Color: Black

Material: PA66 HS IM



Part No: 12034269

Description: Connector 2M

Size: 56.1L x 21.7H x 28.5W

Color: Black

Material: PA66 HS IM

A

B



Delphi 630 Series Connectors

Sold Individually



Female Terminal 630 Series

Part #	Cable Range (mm ²)	Material	Plating
12033997	3.0	Tin Brass	Tin
12066614	2.0-1.0	Tin Brass	Tin



Cable Cavity Plug

Part #	Cavity Dia.	Material	Color
12059255	9.8 mm	Silicone	Green



Male Terminal 630 Series

Part #	Cable Range (mm ²)	Material	Plating
12064736	5.0	Tin Brass	Tin
12064737	3.0	Tin Brass	Tin
12064735	2.0-1.0	Tin Brass	Tin



Female Terminal 630 Series

Part #	Cable Range (mm ²)	Material	Plating
12052456	5.0-3.0	Tin Brass	Tin
12052455	2.0-1.0	Tin Brass	Tin



Delphi 480 Series Connectors

Sold Individually

Female Terminal 480 Series

Part #	Cable Range (mm ²)	Material	Plating
12052139	5.0-3.0	Tin Brass	Tin
12048451	2.0-1.0	Tin Brass	Tin



Male Terminal 480 Series

Part #	Cable Range (mm ²)	Material	Plating
12052172	5.0	Tin Brass	Tin
12065197	3.0	Tin Brass	Tin
12065196	2.0-1.0	Tin Brass	Tin



Cavity Plug

Part #	Cavity Dia.	Material	Color
12066082	8.5 mm	Silicone	Green



Cable Seal

Part #	Cable Dia.	Material	Color
15324987	5.16-4.40	Silicone	Orange
15324990	4.50-3.61	Silicone	Purple
15324989	3.76-2.81	Silicone	Red
15324988	2.85-2.01	Silicone	White

Deutsche Tooling Sold Individually

Deutsch Industrial removal tools are designed to simplify contact removal and field service repair in all connectors that utilize a round shoulder contact retention system. Removal tools are compact, easy-to-use, and manufactured of heavy duty plastic to remove contacts without damage to the wire, insulation, connector seals, or connector body.



Removal Tools

Part #	Contact Size	Wire Ga.	Color
114009	Size 4	6 awg	White
114010	Size 12	12 awg	Yellow
0411-291-1405	Size 14	14-16 awg	Green
0411-310-1605	Size 16	16-18 awg	Light Blue
0411-240-2005	Size 20	20-24 awg	Red



Sealing plugs must be used to fill any unused connector cavities to maintain an environmental seal. Sealing plugs are used in connectors with an integrated rear seal.

Sealing Plugs

Part #	Contact Size	Material
0413-204-2005	20	Plastic
114017	12-16	Plastic
114018	8	Plastic
114019	4	Plastic



HDT-04-08



HDT-48-00

Handle Tools

Part #	Description	Crimp Type	Contact Size
HDT-04-08	Large Crimp Tool	Two Indent	4 - 8
HDT-48-00	Crimp Tool	Four Indent	12 - 16 - 20

The D hole punch is a hand tool used to cut a D shaped hole. The D shaped hole allows the connector to be securely mounted and prevents the connector from spinning.



Punchable Material:
Up to .078" mild steel or aluminum. Up to .1875" plastic, wood, paneling, or other soft material.

Tool Material:
A2 material heat treated to a Rockwell hardness of 60 to 62.

Tool Size: (rough dimensions)
5.5”L x 2”H x 2” D

Sharpening:
The tool can be sharpened as needed.

Usability:
A .625" minimum pilot hole is required to accommodate the draw stud. Air tools can be used.

D Hole Punch

Part #	Shell Size	Sap #
24-D	24	11002654

Deutsche Connectors Sold Individually



Pins

Part #	Description	Type
0460-202-20141	20 ga Wire	#20 Pin
0460-202-16141	16 - 18 ga Wire	#16 Pin
0460-204-12141	12-14 ga Wire	#12 Pin
0460-204-0490	6 ga Wire	#4 Pin
0460-215-16141	14 - 16 ga Wire	#16 Pin



Panel Nut

Part #	Material	Shell Size
112263-90	Metal	24

Sockets

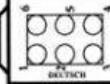
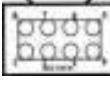
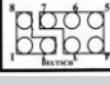
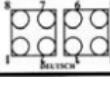
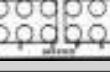
Part #	Description	Type
0462-201-20141	20 ga Wire	#16 Socket
0462-201-16141	16 - 18 ga Wire	#16 Socket
0462-203-12141	12 - 14 ga Wire	#12 Socket
0462-209-16141	14 - 16 ga Wire	#16 Socket
0462-203-04141	6 ga Wire	#4 Socket



Panel Lock Washer

Part #	Shell Size
112264	24

DT Series Bussed Arrangements

Bussing Arrangements	Part #	Buss Plating	Color
	DT04-4P-EP13	Nickel	Black
	DT04-6P-EP13	Nickel	Black
	DT04-6P-EP14	Nickel	Black
	DT04-08PA-P021	Nickel	Gray
	DT04-08PA-P028	Nickel	Gray
	DT04-08PA-P026	Nickel	Gray
	DT04-12PA-P026	Nickel	Gray



Deutsche Connectors Sold Individually

DT Series Overview

Deutsch's DT Series connectors offer field proven reliability and rugged quality. The DT design strengths include optional flange mounting, multi-pin arrangements, lower cost, and design flexibility. The DT Series offers the designer the ability to use multiple size 16 contacts, each with 13 amp continuous capacity, within a single shell.

DT Series Plugs & Receptacles

Part #	Description	Type
DT04-2P	2 Way	Plug
DT04-3P	3 Way	Plug
DT04-4P	4 Way	Plug
DT04-6P	6 Way	Plug
DT04-8P	8 Way	Plug
DT04-12P	12 Way	Plug
DT06-2S	2 Way	Receptacle
DT06-3S	3 Way	Receptacle
DT06-4S	4 Way	Receptacle
DT06-6S	6 Way	Receptacle
DT06-8S	8 Way	Receptacle
DT06-12S	12 Way	Receptacle



Diode Characteristics

DT Series	Part #	Type	Color
	DT04-2P-RT01	Receptacle	Black



DT04-4P-RT01 Receptacle Black

Resistor Characteristics

DT Series	Part #	Type	Color
	DT04-3P-EP10	Receptacle	Black



DT04-3P-EP10 Receptacle Black



Deutsche Connectors Sold Individually

DTM Series Overview

Deutsch's DTM Series connectors are the answer to all of your smaller wire gauge applications.

Building on the DT design strengths, the DTM connector line was developed to fill the need for lower amperage, multi-pin, inexpensive connectors. The DTM Series offers the designer the ability to use multiple size 20 contacts, each with 7.5 amp continuous capacity, within a single shell.

DTM Series Plugs & Receptacles

Part #	Description	Type
DTM04-2P	2 Way	Plug
DTM04-3P	3 Way	Plug
DTM04-4P	4 Way	Plug
DTM06-2S	2 Way	Receptacle
DTM06-3S	3 Way	Receptacle
DTM06-4S	4 Way	Receptacle

DTP Series Overview

Deutsch's DTP Series connectors are the solution for your power application requirements. Building on both the DT and DTM design strengths, the DTP connector line was developed to fill the need for higher amperage, multi-pin inexpensive connectors.

The DTP Series offers the designer the ability to use multiple size 12 contacts, each with a 25 amp continuous capacity, within a single shell. The DTP connectors are currently available in two and four pin configurations.

DTP Series Plugs & Receptacles

Part #	Description	Type
DTP-04-2P	2 Way	Plug
DTP-04-4P	4 Way	Plug
DTP-06-2S	2 Way	Receptacle
DTP-06-4S	4 Way	Receptacle

SAE J1939 Series Wedgelocks

Receptacle	Part #	Type
	W3P-1939	Receptacle
	W3S-1939	Plug

Deutsche Connectors Sold Individually

DT Series Wedgelocks - Receptacles

Receptacle	Part #	Type
	W2P	2-way
	W3P	3-way
	W4P	4-way
	W6P	6-way
	W8P	8-way
	W12P	12-way

DT Series Wedgelocks - Plugs

Receptacle	Part #	Type
	W2S	2-way
	W3S	3-way
	W4S	4-way
	W6S	6-way
	W8S	8-way
	W12S	12-way

DTM Series Wedgelocks - Receptacles

Receptacle	Part #	Type
	WM-2P	2-way
	WM-3P	3-way
	WM-4P	4-way

DTM Series Wedgelocks - Plugs

Receptacle	Part #	Type
	WM-2S	2-way
	WM-3S	3-way
	WM-4S	4-way

DTP Series Wedgelocks - Receptacles

Receptacle	Part #	Type
	WP-2P	2-way
	WP-4P	4-way

DTP Series Wedgelocks - Plugs

Receptacle	Part #	Type
	WP-2S	2-way
	WP-4S	4-way

C



Deutsche Connectors

Sold Individually



HD30 Series

The Deutsch HD30 Series connectors are constructed from a metal shell developed to meet the needs of the heavy duty equipment and transportation industries. The HD30 features include quick connect-disconnect bayonet coupling, single hole bulkhead mounting, silicone seals, and a rear insertion/rear removal contact system.

HD30 Series Plugs & Receptacles			
Part #	Description	Type	Sap #
HD34-24-14PN-059	24 Shell - 14 cavities	Receptacle	11002657
HD36-24-14SN-059	24 Shell - 14 cavities	Socket	11002659
HD44-24-14PN-059	24-14 Kit	Receptacle	11002643
HD44-24-14SN-059	24-14 Kit	Socket	11002646
HDC34-24	Protective Dust Cap	For Receptacle	11002647
HDC36-24	Protective Dust Cap	For Socket	11002648



Tape



Electrical Tape 33+

Part #	Desc
M06130	3/4" X 20' - Black
M06133	3/4" X 66' - Black

A premium grade vinyl electrical insulating tape, its aggressive adhesive and elastic backing ensure easy, water-resistant conformation to irregular surfaces in low temperatures, yet will not ooze or melt in high temperatures.



3M Electrical Tape Super 88

Part #	Desc
06143	3/4" X 66' - Black

On a 1 inch core, this black, 8.5 mil heavy duty, premium grade all-weather vinyl electrical insulating tape maintains conformability for cold weather applications.



Economy Electrical Tape

Part #	Desc
21461	3/4" X 60' - Black

7 mil tape. Economy Electrical Tape.



3M Linerless Splicing Tape

Part #	Descb
M41718	1-1/2" X 30'
M41754	2" X 30'

This is a highly conformable, linerless Ethylene Propylene Rubber (EPR), high-voltage insulating tape that provides excellent thermal dissipation of splice heat.



Colored 3M Electrical Tape 35+

Part #	Desc
M06133B	3/4" X 66' - Blue
M06133BR	3/4" X 66' - Brown
M06133GR	3/4" X 66' - Green
M06133GY	3/4" X 66' - Grey
M06133O	3/4" X 66' - Orange
M06133R	3/4" X 66' - Red
M06133V	3/4" X 66' - Violet
M06133W	3/4" X 66' - White
M06133Y	3/4" X 66' - Yellow

Scotch® 35 Vinyl Electrical Color Coding Tape is a 7 mil premium grade electrical vinyl tape that stretches to conform to virtually any shape that requires color-coded insulation.



Economy Colored Electrical Tape

Part #	Desc
21461-BL	3/4" X 66' - Blue
21461-BR	3/4" X 66' - Brown
21461-GR	3/4" X 66' - Green
21461-GY	3/4" X 66' - Grey
21461-OR	3/4" X 66' - Orange
21461-RD	3/4" X 66' - Red
21461-WH	3/4" X 66' - White
21461-YE	3/4" X 66' - Yellow
Economy Colored Electrical Tape	



Economy 3M Electrical Tape

Part #	Desc
M01700	3/4" X 66' - Black

The economical solution for less demanding indoor jobs. On a 1/2 inch core, this black, 7 mil economy-grade vinyl tape serves as a general purpose tape.



3M Moisture Sealing Tape

Part #	Desc
M06165	3/4" X 15'
M41323	1-1/2" X 15'
M43251	2" X 15'

3M™ 2242 Electrical Tape is a highly conformable, linerless Ethylene Propylene Rubber (EPR)- based tape.



3M Rubber Mastic Tape

Part #	Desc
M50727	1" X 10'

This is a black 65 mil conformable self-fusing rubber electrical insulating and sealing tape.



Duct Tape

Part #	Desc
21470	Grey
21470-1	Black

Super hold, yet tears easily. Holds securely on clean, dry surfaces. Use to repair, decorate or color code.



Thread Sealant

Part #	Desc
M06192	1/4"
21463	1/2"
21462	3/4"

Use Thread Sealant Tape to form a leak proof seal and help prevent cross threading on pipe threads.

Tape



3M Masking Tape

Part #	Desc
M06334	3/4"
M06336	1"
M06340	2"

Conformable, hugs curves and contours. Goes on quickly and easily, sticks at a touch and stays put. Every feature perfectly balanced to give outstanding masking results.



Aluminum Roof Repair Tape

Part #	Desc
NF190	3" Wide Repair Tape



Leather Palm Work Gloves

Part #	Size
3501-C	Large

Split Cowhide Palm, Knuckle Strap, Wing Thumb, Polyethylene Safety Cuff



Jersey Brown Gloves

Part #	Size
1200	Large

Jersey, 8 Ounce, Knit Wrist, Brown



Nitrile Palm Coat Gloves

Part #	Size
3270-M	Medium
3270-L	Large

- Improved Durable Nitrile Coating
- Puncture & Abrasion Resistant
- Out Performs Leather
- Ergonomically Form Fitting Design
- Machine Washable



Economy Masking Tape

Part #	Desc
7528	3/4"
7527	1"
7525	2"



Packaging Tape

Part #	Desc
21465	2" X 55yds
21466	2" X 110yds



Strapping Tape

Part #	Desc
21467	3/4" X 60yds
21468	1" X 60yds

Gloves



Lined Leather Palm Work Gloves

Part #	Size
1610-L	Large

Split Cowhide Palm, Knuckle Strap, Safety Cuff, Fleece Lined



Pigskin Mechanics Glove

Part #	Size
2152-M	Medium
2152-L	Large
2152-XL	X-Large

A Grade Beige Pigskin Palm, Blue Stretch Back, Neoprene Knuckle, Velcro Closure, Mechanics Style



Lined Pigskin Mechanics Glove

Part #	Size
2152T-M	Medium
2152T-L	Large
2152T-XL	X-Large
2152T-XXL	XX-Large

A Grade Beige Pigskin Palm, Blue Stretch Back, Velcro Closure, Mechanics Style, Thinsulate Lined



Gripster Rubber Dipped Gloves

Part #	Size
300NB-S	Small
300NB-M	Medium
300NB-L	Large
300NB-XL	X-Large

Gripster® neon safety yellow shell with black etched rubber.

Latex Gloves



Latex 5 Mil

Part #	Size	Box Qty
3414-M	Medium	100
3414-L	Large	100
3414-XL	X-Large	100



Nitrile 4 Mil

Part #	Size	Box Qty
3275-M	Medium	100
3275-L	Large	100
3275-XL	X-Large	100



Latex 15 Mil

Part #	Size	Box Qty
3418-L	Large	100



Nitrile 8 Mil

Part #	Size	Box Qty
3278-M	Medium	50
3278-L	Large	50
3278-XL	X-Large	50
3278-XXL	XX-Large	50

Safety Equipment



Safety Glasses

Part #	Lens Color
SAS5340	Clear
SAS5341	Yellow
SAS5342	Orange
SAS5343	Shade
SAS5344	Gold Mirror
SAS5345	Indoor/Outdoor

Frameless Design
Scratch Resistant
Lightweight Wrap-Around Style
99.9% UV Protection
Meets ANSI Z87.1 2003 Standard



Dust Mask

Part #	Description	Box Qty
M08210	Dust Mask	20
SAS2985	Particle Mask	50



M01100



M01110



M01120

Ear Plugs

Part #	Lens Color
M01100	Disposable Ear Plugs
M01110	Corder Disposable Ear Plug Yellow
M01120	Soft Foam Ear Plugs

The Technology Inside...

SonicBonded Mat

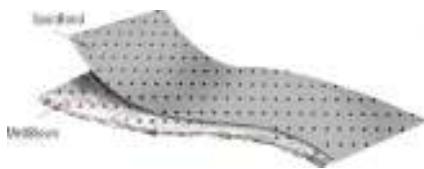
Primary Use:

Controls Overspray and Spills

Primary Benefit:

Helps Keep Floors Safe and Dry

Absorbent Mats



One (1) layer of lint-free SpunBond fabric is ultrasonically bonded to one (1) layer of MeltBlown sorbent.

Multi-Perforations Help You Use Less and Save Money

SpunBond top layer allows for better-defined perforations for cleaner, easier tear-offs. Pads are perfed vertically at 9.5".

High Absorbency Keeps It on the Job Longer

A random assembly of large diameter MeltBlown poly fibers creates a lofty layer that allows this Mat to absorb up to 67 gallons per 144' roll. It absorbs more than most mats, so you can leave it on the job longer.

Fast-Acting for Quick Response

A layer of MeltBlown polypropylene creates high surface area that enables Sonic Bonded Mat to soak up liquids quickly—great for overspray areas and indoor spills.

Ultrasonic Weld Points

Keep Mat Intact

Ultrasonic weld points fuse the layers of fibers together—keeps its shape even when completely saturated. Top layer of sturdy SpunBond fabric provides added Mat strength. Mat is also colorcoded—Grunge-hiding Gray for universal applications or White for oil-only absorbency

Sonic Bonded Mat

Part #	Description
GPB100H	Gray Universal (for oils, coolants, solvents & water) 100 per Bundle
WPB100H	White Oil-Only (for oils, not water) 100 per Bundle

Drum Top Pads

Say Goodbye to Messy Drum Tops

Absorb drips from leaking pumps and help keep drum storage areas looking good, too. Pre-cut bung holes make for easy access to drum. Mats can be removed and replaced with pumps and valves installed. Made from top quality Fine Fiber Mat.



Drum Top Pads

Part #	Description
GTOP	Universal Drum Top Pads (23" Diameter) 25 per Bundle

Razor Blades



Utility Knife Blade

Part	Box Qty
21716-1	100



Single Edge Industrial Blade

Part	Box Qty
21719	100



Lenox Gold Utility Blade

Part #	Pkg Qty
GOLD5C	5
GOLD50D	50 With Dispenser



Shop Towels



Wypall L30 Wipes

Part #	Size
SC05800	16.4" X 9.8"

WYPALL L30 Wipers in a POP-UP box
Ideal for general purpose, light duty cleanups
Removes soils and liquids from face and hands
One-at-a-time dispensing for users on the go
Cloth-like feel
Strong, yet soft enough for personal use



Wypall L40 Wipes

Part #	Size
KC05790	16" X 10"

WypAll L40 All-Purpose Cloth-Like Wipers in Pop-Up Box
Wipes easily absorb large spills and leaks
Ideal for routine industrial cleaning and maintenance
Removes soils and liquids from face and hands
One-at-a-time dispensing for users on the go



Shop Towels In A Box

Part #	Size
SC75190	10" X 14"

Portable, easy dispensing box
With carry handle
Blue, one-ply
Quantity per package: 200/Box



Wypall X70 Wipes

Part #	Size
X70-41455	9.1"x16.8"

WYPALL* X70 WORKHORSE* Wipers, POP-UP* Box. Durable, absorbent wipers that stay strong for better cleaning performance. Reusable, long lasting performance. Cleans oil, grime, and solvents. Made with our high-tech HYDROKNIT* Fast Absorbing Material. Ideal for all manufacturing and maintenance & repair. White color.



Automotive Primary Wire



18 Gauge			16 Gauge			14 Gauge			
	100' Roll	500' Roll	1000' Roll	100' Roll	500' Roll	1000' Roll	100' Roll	500' Roll	1000' Roll
Red	23600	23600/500	23700	23611	23611/500	23706	23622	23622/500	23622/M
Black	23601	23601/500	23701	23612	23612/500	23707	23623	23623/500	23711
Yellow	23602	23602/500	23702	23613	23613/500	23705	23624	23624/500	23712
Blue	23603	23603/500	23703	23614	23614/500	23704	23625	23625/500	23625/M
Orange	23604	23604/500	23604/M	23615	23615/500	23615/M	23626	23626/500	23626/M
White	23605	23605/500	23605/M	23616	23616/500	23616/M	23627	23627/500	23627/M
Green	23606	23606/500	23606/M	23617	23617/500	23708	23628	23628/500	23628/M
Brown	23607	23607/500	23607/M	23618	23618/500	23709	23629	23629/500	23710
Pink	23608	23608/500	23608/M	23619	23619/500	23619/M	23630	23630/500	23630/M
Gray	23609	23609/500	23609/M	23620	23620/500	23620/M	23631	23631/500	23631/M
Purple	23610	23610/500	23610/M	23621	23621/500	23621/M	23632	23632/500	23632/M



12 Gauge			10 Gauge			8 Gauge		
	100' Roll	500' Roll	1000' Roll	100' Roll	500' Roll	1000' Roll	100' Roll	100' Roll
Red	23633	23633/500	23715	23641	23656	23641/M	23646	
Black	23634	23634/500	23714	23642	23657	23642/M	23647	
Yellow	23635			23643				
Blue	23636	23636/500	23636/M	23645				
Orange	23637							
White	23638	23638/500	23713	23644				
Green	23639							
Brown	23640							

Battery Starter Cable

Available in rolls of 25', 100' Rolls



	6 Gauge	4 Gauge	2 Gauge	1 Gauge	1/O	2/O	3/O	4/O
25 foot	Red	23648-25	23652-25	23687-25	23694-25	23693-25	23688-25	23691-25
	Black	23649-25	23653-25	23695-25	23686-25	23692-25	23689-25	23690-25
100 foot	Red	23648	23652	23687	23694	23693	23688	23691
	Black	23649	23653	23695	23686	23692	23689	23697



Parallel Primary Wire



	18 Gauge	16 Gauge	14 Gauge
2 Conductors	23669	23670	23671
3 Conductors	23669-1	23666	23668
4 Conductors	23669-2	23665	23667

Multi-Conductor Jacketed



18 Gauge	16 Gauge	14 Gauge	12 Gauge	10 Gauge
100' Roll	100' Roll	500' Roll	100' Roll	100' Roll
2 Conductor	23676	23678	23675/500	23674
3 Conductor			23675/1	23673.
4 Conductor	23678/1	23677		

Bulk Trailer Cable

100' Rolls



16 Gauge	14 Gauge	6 of 12 Gauge 1 of 10 Gauge
4 Conductor	23681	23682
6 Conductor	23683	23684
7 Conductor	23685	23685-1

Crosslink Wire

100' Rolls

When faced with wiring in hot, abrasive environments, there is no better problem-solver than cross-linked wire. This high quality wire is insulated with cross-linked polyethylene that can withstand heat up to 125OC. This far exceeds the heat resistance of standard plastic primary wire. To top it off, cross-linked is a much tougher insulation, providing superior protection against abrasion. There are many applications:



	16 Gauge	14 Gauge	12 Gauge	10 Gauge
Blue	316C-1	314C-1	312C-1	
White	316C-2	314C-2	312C-2	
Green	316C-3	314C-3	312C-3	
Yellow	316C-4	314C-4	312C-4	
Red	316C-5	314C-5	312C-5	310C-5
Brown	316C-6	314C-6	312C-6	
Black	316C-7	314C-7	312C-7	310C-7



Wire Marker

Sold Individually



Wire Marker Dispenser

Part #	Description
STD	Dispenser Holds 10 Rolls

Wire Marker Tape

Part #	# On Roll
SER-0-9	0 Through 9

Trailer Plugs & Sockets

Sold Individually



Plugs

Part#	Style
5404P	4-Way
5406P	6-Way
5407P	7-Way With Spring
PH15-335	Single Pole With Spring
PH15-336	Dual Pole With Spring
49451	7 Way ISO With Spring
PH16-713	7 Way Blade
PH16-730	7 Way Plastic Round



Sockets

Part #	Style
5404S	4-Way
5406S	6-Way
5407S	7-Way
PH15-320	Single Pole
PH15-325	Double Pole
PH16-822	7 Way ISO
PH16-714	7 Way Blade
PH16-720	& Way Round Plastic Sta-Dry



Trailer Plugs & Sockets

Sold Individually



Trailer Adapters

Part #	Description
PH63-0176	7 Way Blade to 6 Way Round
PH63-0174	7 Way Blade to 4 Way Flat
PH63-0074	7 Way Round to 4 Way Flat
PH63-0064	6 Way Round to 4 Way Flat

Junction Box

Part #	Description
PH15-961	CLEAR-VU™ ABS Plastic for easy visual inspection Ring termination Pass-through grommets accommodate up to .80 o.d. cable Seven #10 stud posts



Part# 74415

4 Contact Flat Molded Connector
12" Loop 16 Gauge
Green-Right Turn, Yellow-Left Turn
Brown-Tail Lamps, White-Ground



Part# 74215

2 Contact Flat Molded Connector
12" Loop 16 Gauge
Red-Stop Lamps, Brown-Tail Lamps

E

Wire Ties



Metal Tab Cable Ties

Part #	Range	Width	Length	Strength	Pkg
*TY523M	1/16"-5/8"	.091"	3.62"	18#	50
TY523MX					
*TY524M	1/16"-1 1/8"	.140"	5.50"	18#	50
TY524MX					
*TY526M	1/16"-3"	.140"	11.08"	40#	50
TY526MX					
*TY525M	1/16"-1 3/4"	.184"	7.31"	50#	50
TY525MX					
*TY528M	1/16"-4"	.184"	14.19"	50#	50
TY528MX					
*TY527M	3/16"-3 1/2"	.301"	13.38"	120#	50
TY527MX					
*TY529M	3/16"-9"	.301"	30.00"	120#	50
TY529MX					

X For Outdoor Use. The (MX) Series is for outdoor use and is black in color.

*UL Recognized



Metal Tab Mounting Hole Cable Ties

Part #	Range	Width	Length	Strength	Hole	Pkg
*TY534M	1/16"-1 1/8"	.140"	6"	40#	#8	50

*UL Recognized



Black Wire Ties

Part #	Range	Width	Length	Strength
8013	1/16"-3/4"	.10"	4.00"	18#
8014	1/16"-2"	.10"	8.00"	18#
8015	1/16"-1 1/4"	.14"	5.70"	40#
8016	1/16"-1 3/4"	.19"	7.10"	50#
8017	1/16"-3"	.19"	11.10"	50#
8018	1/16"-4"	.19"	14.19"	50#
8024	3/16"-4"	.30"	14.25"	120#
8025	3/16"-7 1/2"	.36"	24.00"	175#
8026	3/16"-9"	.36"	33.00"	175#



Mounting Hole Wire Ties

Part #	Range	Width	Length	Strength	Color
8020	1/16"	.145	6.00"	30#	Natural
8021	1/16"	.187	7.50"	50#	Natural
8022	1/16"	.187	14.50"	50#	Natural
8023	3/16"	.300	14.85"	120#	Natural
8028	1/16"	.145	6.00"	30#	Black
8029	1/16"	.187	7.50"	50#	Black
8030	1/16"	.187	14.50"	50#	Black



Mounting Brackets

Part #	Size	Color
AM75	3/4" X 3/4"	Natural
AM100	1" X 1"	Natural
AM75B	3/4" X 3/4"	Black
AM100B	1" X 1"	Black
Adhesive Backed 4-way Tie Insertion.		
Works on 18-50lb Wire Ties		



Wire & Tubing Clamps



Wire and Tubing Clamps

Part #	Clamp Size
3084	1/4" I.D.
3083	3/8" I.D.
1796	3/4" I.D.
5166	3/4" I.D. Ford Clamp



Aluminum Tubing Clamp

Part #	Tube Dia.
1910	1/4"
1911	5/16"
1912	3/8"
1913	1/2"
1914	5/8"
1915	3/4"
1916	7/8"
1917	1"
1918	1-1/8"
1919	1-1/4"
1920	1-3/8"
1921	1-1/2"
4297	2"
4297-1/4	2-1/4"
4297-21/2	2-1/2"
4297-4	4"



Light Duty Steel

Part #	Tube Dia.
32601	1/4"
32602	5/16"
32603	3/8"
32604	1/2"
32605	5/8"
32606	3/4"
32607	1"



Tube Clamps

Part #	Tube Dia.	Screw Size	Width	Color
9500	1/8"	#8	3/8"	White
9501	3/16"	#8	3/8"	White
9502	1/4"	#8	3/8"	White
9503	5/16"	#8	3/8"	White
9504	3/8"	#8	3/8"	White
9505	1/2"	#8	3/8"	White
9512	5/8"	#10	1/2"	White
9513	3/4"	#10	1/2"	White
9514	7/8"	#10	1/2"	White
9515	1"	#10	1/2"	White
9506	1/8"	#8	3/8"	Black
9507	3/16"	#8	3/8"	Black
9508	1/4"	#8	3/8"	Black
9509	5/16"	#8	3/8"	Black
9510	3/8"	#8	3/8"	Black
9511	1/2"	#8	3/8"	Black
9516	5/8"	#10	1/2"	Black
9517	3/4"	#10	1/2"	Black
9518	1"	#10	1/2"	Black



Heavy Duty Steel

Part #	Tube Dia.
32581	1/4"
32582	5/16"
32583	3/8"
32584	1/2"
32585	5/8"
32586	3/4"
32587	7/8"
32588	1"
32589	1-1/4"
32590	1-1/2"
32591	2"
32592	2-1/2"
32593	3"
32594	3-1/2"
32595	4"



Heavy Duty Steel

Part #	Tube Dia.
COV0917Z1	1/4"
COV1117Z1	5/16"
COV1317Z1	3/8"
COV1517Z1	1/2"
COV1717Z1	5/8"
COV2117Z1	3/4"
COV2517Z1	1"

Spiral Wrap - Split Loom



Black UV Polyethylene Spiral Wrap

Part #	O.D.	Pitch	Wall Thic.	Min/Max Bundle Range
SRPE-250-0	1/4"	.375"	.045"	.188 To 2.0
SRPE-375-0	3/8"	.438"	.052"	.313 To 3.0
SRPE-500-0	1/2"	.563"	.062"	.375 To 4.0
SRPE-625-0	5/8"	.625"	.062"	.625 To 4.5
SRPE-750-0	3/4"	.750"	.065"	.750 To 5.0
SRPE-1000-0	1"	1.110"	.070"	1.00 To 7.0

Black Loom

Part #	I. D.
9038	1/4"
9040	3/8"
9041	1/2"
9042	5/8"
9043	3/4"
9044	1"



Black Heat Shrink

Part #	Length	I.D.
9050	4'	1/16"
9051	4'	3/32"
9052	4'	1/8"
9053	4'	3/16"
9054	4'	1/4"
9055	4'	3/8"
9056	4'	1/2"
9057	4'	3/4"
9058	4'	1"

Black Heat Shrink

Part #	Length	I.D.
9050/1	100	1/16"
9051/1	100	3/32"
9052/1	100	1/8"
9053/1	100	3/16"
9054/1	100	1/4"
9055/1	100	3/8"
9056/1	100	1/2"
9057/1	100	3/4"
9058/1	100	1"

Heat Shrink



Color Heat Shrink

Part #	Size	Color	Length	Wire Size
PF-3/16	3/16"	Red	4'	18-22 Awg
PF-1/4	1/4"	Blue	4'	14-16 Awg
PF-3/8	3/8"	Yellow	4'	10-12 Awg
PF-1/2	1/2"	Clear	4'	4-8 Awg

Heat Shrink With Sealant

Black Part #	Red Part #	I.D.	Length	Wire Size
5657B	5657R	1/8"	6"	24-18ga
5658B	5658R	3/16"	6"	20-12ga
5659B	5659R	1/4"	6"	18-10ga
5660B	5660R	3/8"	6"	8-6ga
5661B	5661R	1/2"	6"	6-2ga
5662B	5662R	3/4"	6"	4-2/Oga
5663B	5663R	1"	6"	2-4/Oga

Black Heat Shrink With Sealant Heavy Wall

Part #	I.D.	Length	Wire Size
9060	.400	6"	14-10 Awg
9061	.750	6"	8-1 Awg
9062	1.10	6"	2-4/O Awg
9063	.400	4'	14-10 Awg
9064	.750	4'	8-1 Awg
9065	1.10	4'	2-4/O Awg

Red Heat Shrink With Sealant Heavy Wall

Part #	I.D.	Length	Wire Size
9060/R	.400	6"	14-10 Awg
9061/R	.750	6"	8-1 Awg
9062/R	1.10	6"	2-4/O Awg
9063/R	.400	4'	14-10 Awg
9064/R	.750	4'	8-1 Awg
9065/R	1.10	4'	2-4/O Awg



Tinted Heat Shrink

Part #	Wire Range	Length	Color	Pkg Qty
HST304R-6	20-18	6"	Red	8
HST305BL-6	16-14	6"	Blue	8
HST306Y-6	12-10	6"	Yellow	8

THE CLEAR ADVANTAGE

Our tinted, semi-rigid adhesive-lined heat shrink tubing is the clear choice for insulating and color-coding small guage wire connections. This tubing offers several distinct advantages:

- Tinted colors allow for industry standard color-coding, but the tubing turns clear when heated to allow the installer to view the underlying material.
- Each piece of tubing has a wire guage imprint for ease of wire identification both before and after installation.
- A co-extruded, integral adhesive-lining provides a barrier against contaminants.
- The polyolefin jacket is tough and provides excellent protection against abrasion.

3M Conspicuity Tape

Sold Individually



Conspicuity Tape / Reflective Tape

Part #	Description	Length
983-10ES	White Only	150'
983-32ES	11" Red / 7" White	150'
983-326ES	6" Red / 6" White	150'

Highly reflective microprismatic sheeting with pressure sensitive adhesive for easy application to trucks, trailers and large vehicles to enhance visibility and detection distance.



Battery Terminals

Copper Battery Lugs

	8 Gauge	6 Gauge	4 Gauge	2 Gauge	1 Gauge	1/O	2/O	3/O	4/O
#10	9295								
1/4"	9296	9300	9303	9306					
5/16"	9297	9301	9304	9307	9309	9312	9315-1		
3/8"	9298	9302	9305	9308	9310	9313	9315	9317	9319
1/2"						9314	9316	9318	9320



Solderless Battery Terminals

	4-6 Gauge	1 & 2 Gauge	1/O	2/O	3/O	4/O
Universal	9401					
Positive		9402	9404	9406	9411	9413
Negative		9403	9405	9407	9412	9414



Battery Terminals

Part #	Size	Desc.
9490	2/O	Double Barrel
9415	2/O	Single Barrel
AN-3750		Hold Down Nut



Post Extender

Part #	Desc.
18983	Short
18984	Long



Side Terminal

Part #	Gauge	Post Type
23394-X	6 To 2/O	Side Style

Copper Crimp Battery Terminals

	900 Elbow	Right	Left
2/O POS	9420	9428	9426
2/O NEG	9421	9429	9427
3/O POS	9422		
3/O NEG	9423		
4/O POS	9424		
4/O NEG	9425		



Heavy Duty Starter Lugs Zinc Plated

Part #	Wire Size	Hole Size	Part #	Wire Size	Hole Size
9315HD	2/O	3/8"	9318HD	3/O	1/2"
9316HD	2/O	1/2"	9319HD	4/O	3/8"
9317HD	3/O	3/8"	9320HD	4/O	1/2"



Bolt Type

Part #	Gauge	Post Type
9408	Universal	Universal



Marine Style

Part #	Gauge	Post Type
9409	Universal	Universal



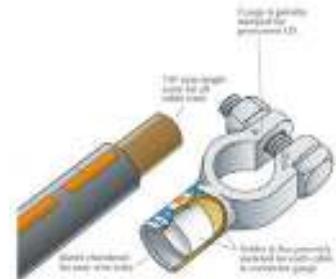
Battery Cable Bolt W/ Shoulder Nut

Part #	Size
861	5/16-18 X 1-3/8"

Fusion Solder Connectors

Straight Fusion Connector

Gauge	Positive #	Negative #
1/O	406310-P	406310-N
2/O	460320-P	460320-N
3/O	406330-P	406330-N
4/O	406340-P	406340-N



Forklift Battery Connectors

SBC Crimp

- Use HexCrimp tool for solid dependable crimps
- Excellent for general commercial and industrial applications.
- Final assemblies meet UL and CSA specifications, when all components are made and crimped with a UL listed tool.



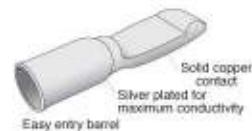
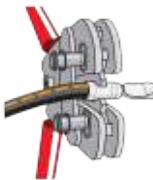
SBC Housings

Part #	Amp	Gauge	Color
QC122104	175	4 ga	Grey
		2 ga	Grey
		1/O	Grey
	350	2/O	Grey
QC122108	350	3/O	Grey
		4/O	Grey

SBC Crimp Kit

Part #	Amp	Gauge	Color
QC124105	175	2 ga	Grey
QC124107	175	1/O	Grey
QC124108	350	2/O	Grey
QC124205	175	2 ga	Red
QC124208	350	2/O	Red

** Crimp Kit Is One Housing and 2 Contacts



Solid copper contact
Silver plated for maximum conductivity
Easy entry barrel



SBC Crimp Connectors

Part #	Amp	Gauge
QC123105	175	2 ga
QC123107	175	1/O
QC123105	350	2/O

Crimping Tool

Sold Individually



Part # 1090

Hex Crimp

Made In The U.S.A.

- Designed for heavy duty battery terminals.
- Crimps terminals 8 Ga. - 250 MCM (6/O Ga.).
- Adjustable crimp dies permanently attached.
- Die settings have letter, number and color codes.
- Crimps all major brands of battery terminals, copper lugs and splices.
 - Insulated grips for comfort and safety.

Part # 1080

Hexcrimp, Jr.

• Designed for light and medium duty applications.

• Crimps terminals 10 Ga. - 1 Ga.

- Crimps all major brands of battery terminals, copper lugs and splices.
- Adjustable crimp dies permanently attached.
- Insulated grips for comfort and safety

Part # 2036

Crimping Tool

Crimps all non-insulated terminals from #16 through 4/O wire gauges. Adjustable scale on side of tool prevents over crimping or under crimping. Flat base steadies tool while one sharp blow of hammer fuses terminal to cable.

These terminals when used with the #2036 crimping tool literally fuse the terminals to the cable without the need for flux or heating iron.

Cables of any length can be made from these terminals and a spool of wire, eliminating the need for stocking various lengths of cables.

The #2036 crimping tool and a hammer permits repairs or the replacement of cables in the field. Useful for farm equipment, trucks, lifts, boats or wherever a cable is used.



Sealed Solder System For Battery Terminals

Our Sealed Solder System for Battery Terminals product line is the innovative solution for soldering cable terminations. Pre-measured solder pellets and adhesive-lined heat shrink tubing combine to provide maximum conductivity and a corrosion-proof seal. The result is a high quality termination without the need for expensive crimping tools.

Frequent Problems In Battery Cable Connections:

- Improperly installed connectors
- Voltage drop
- Vibration damage
- Corrosion in cable



The Sealed Solder System For Battery Terminals Solution:

- Easily installed termination system
- Soldered connections for maximum conductivity
- Superior tensile strength from a soldered bond
- Adhesive-lined tubing prevents cable corrosion



Features And Benefits:

- Color-coded solder pellets conform to industry standards & ensure correct product identification.
- Pre-measured solder pellets assure the right amount of solder will be used in each connection.
- Flux core and "No-Clean" liquid flux prevent dirt and contaminants from hindering the soldering process..
- Color-coded, pre-cut lengths of heat shrink tubing provide positive designation of polarity and make installation easy.
- Installation requires only standard shop tools which eliminates the need for an expensive crimping tool.

No Expensive Tools Needed

- Can be installed using only a standard propane shop torch and a utility knife
- No need to purchase an expensive crimping tool



Requires No Special Connectors

- Works with any brand of closed-end battery terminals or starter lugs
- Use with your current inventory - no need to purchase special "Solder-Only" connectors
- The least expensive method of obtaining a high quality soldered and sealed connection



Solder Pellets

- Pre-measured to assure the right amount of solder
- Color-coded to industry standards to ensure correct product identification
- Flux core prevents dirt and contaminants from hindering the soldering process



Heavy Wall Adhesive-lined Heat Shrink Tubing

- Color-coded for positive identification of polarity
- Pre-cut to the proper length for ease of installation
- Adhesive-lined to provide a permanent seal against corrosion



Solder Pellets

Part #	Wire Size	Color
CL-6	6 AWG	Grey
CL-4	4 AWG	Grey
CL-2	2 AWG	Green
CL-1	1 AWG	Pink
CL-1-0	1/0 AWG	Black
CL-2-0	2/0 AWG	Orange
CL-3-0	3/0 AWG	Purple
CL-4-0	4/0 AWG	Yellow





Glass Fuses

Part #	Fuse
8663	GBF-25
8664	SFE-4
8665	SFE-6
8666	SFE-7 1/2
8667	SFE-9
8668	SFE-14
8669	SFE-20
8670	SFE-30
8671	UK-35
8672	UK-50
8600	AGA-1
8601	AGA-1 1/2
8602	AGA-2
8603	AGA-2 1/2
8604	AGA-3
8605	AGA-5
8606	AGA-6
8607	AGA-7 1/2
8608	AGA-10
8609	AGA-15
8610	AGA-20
8611	AGA-25
8612	AGA-30
8653	AGX-2
8654	AGX-3
8655	AGX-20
8656	AGX-25
8657	AGX-30
8673	AGU-30
8674	AGU-35
8675	AGU-40
8676	AGU-50
8677	AGU-60



Mini Glow Fuse (Sold Individually)

Part #	Amps	Color
24003-7	3	Purple
24005-7	5	Amber
24007-7	7	Brown
24010-7	10	Red
24015-7	15	Blue
24020-7	20	Yellow
24025-7	25	Clear
24030-7	30	Green

Automotive Fuses

Sold In Quantities of 5 Unless Noted



Maxi Fuses

Part #	Rating	Color	Pkg
MAX 20	20	Yellow	1
MAX 30	30	Green	1
MAX 40	40	Orange	1
MAX 50	50	Red	1
MAX 60	60	Blue	1
MAX 70	70	Tan	1
MAX 80	80	Natural	1



Mini Fuse

Part #	Rating	Color
MIN 2	2	Brown-Grey
MIN 3	3	Violet
MIN 4	4	Pink
MIN 5	5	Brown
MIN 7.5	7.5	Purple
MIN 10	10	Red
MIN 15	15	Blue
MIN 20	20	Yellow
MIN 25	25	Natural
MIN 30	30	Green



Ato Fuse Low Profile

Part #	Amps	Color
24310-7	10	Red
24315-7	15	Blue
24320-7	20	Yellow
24325-7	25	Clear
24330-7	30	Green



Ato Glow Fuse (Sold Individually)

Part #	Amps	Color
24303-7	3	Purple
24305-7	5	Amber
24307-7	7	Brown
24310-7	10	Red
24315-7	15	Blue
24320-7	20	Yellow
24325-7	25	Clear
24330-7	30	Green



Glass Fuses

Part #	Fuse
8613	AGC-1/2
8614	AGC-1
8615	AGC-1 1/2
8616	AGC-2
8617	AGC-2 1/2
8618	AGC-3
8619	AGC-4
8620	AGC-5
8621	AGC-6
8622	AGC-7 1/2
8623	AGC-8
8624	AGC-10
8625	AGC-15
8626	AGC-20
8627	AGC-25
8628	AGC-30
8629	AGC-35
8644	AGW-1
8645	AGW-1 1/2
8646	AGW-2 1/2
8647	AGW-3
8647-1	AGW-4
8648	AGW-5
8649	AGW-6
8650	AGW-15
8651	AGW-20
8652	AGW-30
8659	GBC-5
8660	GBC-8
8661	GBC-16
8662	GBC-25
8658	AGY-50



Automotive Fuses

Part #	Fuse
8499	ATO-1
8500	ATO-3
8501	ATO-4
8502	ATO-5
8503	ATO-7 1/2
8504	ATO-10
8505	ATO-15
8506	ATO-20
8507	ATO-25
8508	ATO-30
8509	ATO-40



Light Bulbs



Miniature Bulbs														
Part #	MFG #	Qty												
9100	PR 2	10	193	193	10	906	906	10	1142	1142	10	1873	1873	10
9103	53	10	9112	194	10	912	912	10	9124	1154	10	9130	1893	10
9104	55	10	9113	194A	10	914	914	10	1155	1155	10	9131	1895	10
9105	57	10	9114	198	10	916	916	10	9125	1156	10	9132	2057	10
9106	67	10	9115	199	10	921	921	10	9126	1157	10	3057	3057	10
9107	89	10	9116	211	10	9119	1003	10	9127	1157A	10	3057A	3057A	10
9108	90	10	9117	211-2	10	9120	1004	10	9128	1176	10	3155	3155	10
9109	97	10	222	222	10	9121	1034	10	1662	1662	10	3156	3156	10
9110	158	10	9118	561	10	9122	1073	10	1683	1683	10	3157	3157	10
9111	168	10	904	904	10	9123	1141	10	9129	1816	10	3157A	3157A	10

Shop Bulbs

Part #	Watt	Type
9200	75	Rough Service
9201	75	Tough Skin
9202	100	Rough Service
9203	100	Tough Skin



Electrical Components



Blade Circuit Breakers

Part #	Amps
8577	10
8578	15
8579	20
8587	25
8590	30



Circuit Breakers MAXI Style

Part #	Amp
CB1911-30	30
CB1911-40	40



Circuit Breakers W/Mounting Bracket

Part #	Amps
8580	10
8581	15
8582	20
8583	25
8584	30
8585	35
8586	40
8588	50



Circuit Breakers No Mounting Bracket

Part #	Amps
8568	10
8569	15
8570	20
8571	25
8572	30
8573	35
8574	40
8576	50

Circuit Breakers MINI Style

Part #	Amp
CB211-7-1/2	7-1/2
CB211-10	10
CB211-15	15
CB211-20	20
CB211-25	25
CB211-30	30

Circuit Breakers ATC Style

Part #	Amp
CB233-10	10
CB233-20	20

Halogen Lamps

Sold Individually



Halogen Headlight Lamps

Part #	Base Type	Application
9003		Auto Head Lamp
9004	Axial Prefocus	Auto Head Lamp
9005	Right Angle Prefocus	Auto Upper Beam
9006	Right Angle Prefocus	Auto Lower Beam
9007	Axial Prefocus	Auto Head Lamp



Halogen Lamps

Part #	Description
E10109	H4 12v 60w
E11007	H3 12v 55w
E11008	H3 24v 70w
E11027	H1 24v 70w
H4-24	24v 70-75w



Circuit Breakers

Part	Amps
8591	10
8592	15
8593	20
8594	25
8595	30
8596	35
8597	40



PAL-Female Type Terminal

Part #	Color
PAL 020	Lt. Blue
PAL 030	Pink
PAL 040	Green
PAL 060	Yellow



Self Stripping Fuse Holder

Part #	Product #	Color	Wire Range
6172	972	Blue	18-14

Mates with most blade type fuses. Maximum fuse rating 20 amps.



Part # HMEG

Mega Fuse Block

The HMG fuse holder accepts industry standard AMG fuses for primary fusing applications. The narrow rugged body makes it ideal for demanding environments such as 'under the hood' locations in construction, agriculture, heavy trucking, and specialty vehicle applications.



Flashers

Part #	Type	Use
8680	536/552	U.S. Cars
8681	550	Import Cars/ U.S. Trucks



PAL-13/16" Bent Male Terminal

Part #	Color
PAL 230	Pink
PAL 240	Green
PAL 250	Red
PAL 260	Yellow
PAL 270	Brown



PAL-Straight Male Terminal

Part #	Color
PAL 130	Pink
PAL 160	Yellow
PAL 180	Black



Heavy Duty Extended Life Flashers (Electronic)

Part #	Type
EL-12	2 Terminal 12 Volt
EL-13	3 Terminal 12 Volt



Part # 498900

Midi Fuse Block



Fuse Taps

Part #	MFG #
BP/HHH	600-2
BP/HHA	600-4



Part # 8535

FNY 30 - AGC 30 Amp Fuse Included With Each Holder

Supplied with two 4" leads - 12 gauge wire for 30 amp applications, including GM air conditioning and heater blower motors

Fuse Holders

Sold Individually



Part # 8525

FNY1 Universal - Fuses Not Included

Supplied with 8" loop of 14 gauge wire and two different springs to accommodate SFE 4, 6, 7 1/2, 9, 14, 20 AGA. AGC, AGW and AGX fuse. Simple twist lock allows easy fuse removal and replacement.

Fuse Holders

Sold Individually



Fuse Holders W/ Protective Caps

Part #	Description
298900	Designed to hold MEGA Fuses rated to 259 amps.
FHAC-1	ATO fuse holder rated to 20 amps. Two 14 gauge leads.
FHAC-2	Heavy duty ATO fuse holder. Use with ATO 25 and ATO 30.



Part # 8521

AFH 2 Heavy Duty In-Line Panel Mount Fuse Holder - Fuse Not Included

New versatile fuse holder for in-line or snap mount panel applications. Interlock body design allows fuse holders to be snapped together for mounting multiple fuses. Supplied with 8" loop of 10 gauge orange wire for use with ATO 25 and 30 amp fuses.



Part # 8510

FHP1 Universal Fuses not included

Supplied with 8" loop of 14 gauge wire and two different springs to accommodate SFE 4, 6 7 1/2, 9, 14, 20, AGA, AGC, AAGW, and AGX fuses. Simple twist lock allows easy fuse removal and replacement.



Part # 8512

FHA 1 In-Line Fuse Holder - Fuse Not Included

For use with ATO 3, 5, 7 1/2, 10, 15 and 20 amp fuses. Supplied with 8" loop of 16 gauge black wires.



Mini Fuse holder W/ Protective Cap

Part #	Description
FHM-1	14 Gauge Black Leads, Rated Up To 20 Amps
FHM-2	12 Gauge Orange Leads, Rated Up To 30 Amps



Part # 8511

FHA 2 Ato Heavy Duty In-Line Fuse Holder - Fuse Not Included

For use with 25 or 30 amp ATO fuses in air conditioning or other heavy duty applications. Supplied with two 4" leads of 12 gauge orange wire.



Part # MAB-1

Maxi Fuse Block

Built in mounting brackets and clip for secure installation. Rated to 60 amps at 32 volts.



Part # MAH-1

Maxi Fuse Holder With Protective Cap

Ideal for high amperage Maxifuse applications where protective cover is required. Supplied with two 6" 6 gauge wire leads. Rated to 60 amps at 32 volts.



Metal Housing Toggle Switches

Part #	Description
STK	ON-OFF-ON Screws Terminals, 15A, 12V
STE	ON-OFF Screws Terminals, 15A, 12V
STJ	ON-OFF Screws Terminals, 25A, 12V

Switches

Sold Individually



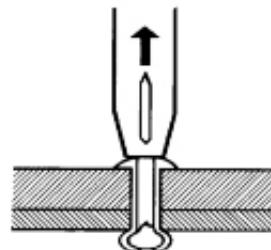
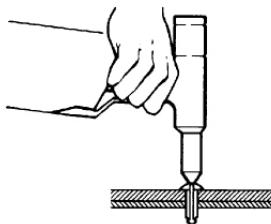
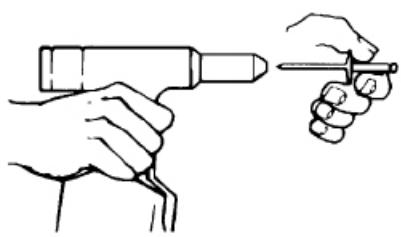
Toggle Switches

Part #	Description
STA	ON-OFF, Amber Illuminated Lever 20A, 12V
STR	ON-OFF, Red Illuminated Lever 20A, 12V
STB	ON-OFF, Blue Illuminated Lever 20A, 12V
STG	ON-OFF, Green Illuminated Lever 20A, 12V

Rivets The Preferred Fastening System And Here's Why

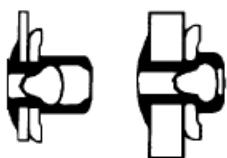
1. Low in-place cost because of the ease and speed of installation.
2. No special skills required
3. For blind side applications, and where both sides of work are accessible.
4. Vibration resistant. Rivets will not back out or loosen as can threaded fasteners.
5. Tamper resistant. Rivets discourage unauthorized dismantling of signs, panels, assemblies, etc.
6. Low head profile provides a snag-free smooth appearance.
7. Will not mar painted or other finished surfaces.
8. Provides secure fastening of thin and thick applications and hard and soft materials.
9. Eliminates thread strip out.
10. Versatile, rivets available in a wide range of diameters, lengths, alloys, and head styles.

Here's How



1. Insert rivet mandrel in rivet setting tool.
2. Using tool as a guide, insert rivet into prepared hole.
3. Squeeze trigger or handles to set rivet. Mandrel ejects after rivet sets.

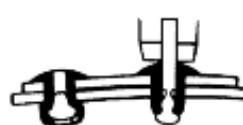
Here's Where



One Length Handles Both



Hollow Extrusions and Tubes



High Grip Strength
No Surface Distortions



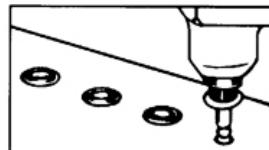
For Hard and Soft Materials-



Vibration and Tamper Resistant



High Strength



No Marred Surfaces



Low Profile Heads



Dome Head Aluminum/Aluminum Rivets

Part #	Cherry #	Dia.	Grip Range
6000	AAP 3-2	3/32	.020-.125
6001	AAP 3-4	3/32	.126-.250
6003	AAP 4-2	1/8	.020-.125
6004	AAP 4-3	1/8	.126-.187
6005	AAP 4-4	1/8	.188-.250
6006	AAP 4-5	1/8	.251-.312
6007	AAP 4-6	1/8	.251-.375
6008	AAP 4-8	1/8	.376-.500
6009	AAP 4-10	1/8	.500-.625
6010	AAP 5-2	5/32	.020-.125
6011	AAP 5-4	5/32	.126-.250
6012	AAP 5-6	5/32	.251-.375
6013	AAP 5-8	5/32	.376-.500
6014	AAP 5-10	5/32	.501-.625
6015	AAP 6-2	3/16	.020-.125
6016	AAP 6-4	3/16	.126-.250
6017	AAP 6-6	3/16	.251-.375
6018	AAP 6-8	3/16	.376-.500
6019	AAP 6-10	3/16	.501-.625
6020	AAP 6-12	3/16	.626-.750
6021	AAP 6-14	3/16	.751-.875
6022	AAP 6-16	3/16	.876-1.00
6024	AAP 8-4	1/4	.126-.250
6025	AAP 8-6	1/4	.251-.375
6026	AAP 8-8	1/4	.376-.500
6027	AAP 8-10	1/4	.501-.625
6028	AAP 8-12	1/4	.626-.750



Countersunk Aluminum/Aluminum Rivets

Part #	Cherry #	Dia.	Grip Range
6050	AAC 4-2	1/8	.020-.125
6052	AAC 4-4	1/8	.188-.250
6053	AAC 6-4	3/16	.126-.250
6054	AAC 6-6	3/16	.251-.375



Dome Stainless Steel/Steel

Part #	Cherry #	Dia.	Grip Range
6300	CSP 4-2	1/8	.020-.125
6301	CSP 4-4	1/8	.188-.250
6302	CSP 6-2	3/16	.020-.125
6303	CSP 6-4	3/16	.126-.250
6304	CSP 6-6	3/16	.251-.375

Rivets



Dome Head Aluminum/Steel Rivets

Part #	Cherry #	Dia.	Grip Range
6100	BSP 4-2	1/8	.020-.125
6101	BSP 4-3	1/8	.126-.187
6102	BSP 4-4	1/8	.188-.250
6103	BSP 4-5	1/8	.251-.312
6104	BSP 4-6	1/8	.251-.375
6105	BSP 4-8	1/8	.376-.500
6106	BSP 5-4	5/32	.126-.250
6107	BSP 5-6	5/32	.251-.375
6108	BSP 6-2	3/16	.020-.125
6109	BSP 6-4	3/16	.126-.250
6110	BSP 6-6	3/16	.251-.375
6111	BSP 6-8	3/16	.376-.500
6112	BSP 6-10	3/16	.501-.625
6113	BSP 6-12	3/16	.626-.750
6114	BSP 6-14	3/16	.751-.875
6115	BSP 6-16	3/16	.876-1.00
6116	BSP 8-4	1/4	.126-.250
6117	BSP 8-6	1/4	.251-.375
6118	BSP 8-8	1/4	.376-.500
6119	BSP 8-10	1/4	.501-.625
6120	BSP 8-12	1/4	.626-.750



Dome Head Steel/Steel Rivets

Part #	Cherry #	Dia.	Grip Range
6200	SSP 3-2	3/32	.020-.125
6200-1	SSP 3-4	3/32	.126-.200
6201	SSP 4-1	1/8	Up to .062
6202	SSP 4-2	1/8	.020-.125
6203	SSP 4-3	1/8	.126-.187
6204	SSP 4-4	1/8	.188-.250
6205	SSP 4-5	1/8	.251-.375
6206	SSP 4-6	1/8	.251-.375
6206-1	SSP 4-8	1/8	.376-.500
6207	SSP 5-2	5/32	.020-.125
6208	SSP 5-4	5/32	.126-.250
6209	SSP 5-6	5/32	.251-.375
6210	SSP 5-8	5/32	.376-.500
6211	SSP 6-2	3/16	.020-.125
6212	SSP 6-4	3/16	.126-.250
6213	SSP 6-6	3/16	.251-.375
6214	SSP 6-8	3/16	.376-.500
6215	SSP 6-10	3/16	.501-.625
6216	SSP 6-12	3/16	.626-.750
6217	SSP 6-14	3/16	.751-.875
6218	SSP 6-16	3/16	.876-1.00
6220	SSP 8-4	1/4	.126-.250
6221	SSP 8-6	1/4	.251-.375
6222	SSP 8-8	1/4	.376-.500
6223	SSP 8-10	1/4	.501-.625
6224	SSP 8-12	1/4	.626-.750



Countersunk Aluminum/Aluminum Rivets

Part #	Cherry #	Dia.	Grip Range
6250	SSC 4-2	1/8	.020-.125
6252	SSC 4-4	1/8	.188-.250
6253	SSC 4-6	1/8	.251-.375
6255	SSC 6-4	3/16	.188-.250
6256	SSC 6-6	3/16	.251-.375



Rivet Back Up Washers

Part #	Rivet Size	I.D.
W3	3/32	7/64
W4	1/8	9/64
W5	5/32	11/64
W6	3/16	13/64
W8	1/4	17/64



Dome All Stainless Steel

Part #	Cherry #	Dia.	Grip Range
6311	CCP 4-1	1/8	Up To .062
6312	CCP 4-2	1/8	.020-.125
6314	CCP 4-4	1/8	.126-.250
6315	CCP 4-6	1/8	.251-.375
6317	CCP 6-4	3/16	.188-.250
6318	CCP 6-6	3/16	.251-.375
6319	CCP 6-8	3/16	.376-.500



Large Flange Aluminum/Aluminum Rivets

Part #	Cherry #	Dia.	Grip Range
6075	AAL 4-2	1/8	.020-.125
6078	AAL 6-4	3/16	.126-.250
6079	AAL 6-6	3/16	.251-.375
6080	AAL 6-8	3/16	.376-.500
6081	AAL 6-10	3/16	.501-.625



Copper Rivets Protruding Copper/Steel

Part #	Cherry #	Dia.	Grip Range
6375	USP 4-2	1/8	.020-.125
6376	USP 4-4	1/8	.126-.250

Rivets



Large Flange Steel/Steel Rivets

Part #	Cherry #	Dia.	Grip Range
6275	SSL 4-2	1/8	.020-.125
6276	SSL 4-4	1/8	.126-.250
6277	SSL 4-6	1/8	.251-.375
6278	SSL 6-2	3/16	.020-.125
6279	SSL 6-4	3/16	.126-.250
6280	SSL 6-6	3/16	.251-.375
6281	SSL 6-8	3/16	.376-.500
6282	SSL 6-10	3/16	.501-.625
6283	SSL 6-12	3/16	.626-.750
6284	SSL 6-14	3/16	.751-.875
6285	SSL 6-16	3/16	.751-1.00
A13793	SSL 8-4	1/4	.126-.250
A13794	SSL 8-6	1/4	.251-.375
A13795	SSL 8-8	1/4	.376-.500
A13796	SSL 8-10	1/4	.501-.625
A13797	SSL 8-12	1/4	.626-.750
A13798	SSL 8-14	1/4	.751-.875
A13799	SSL 8-16	1/4	.751-1.00



Large Flange Aluminum/Steel Rivets

Part #	Cherry #	Dia.	Grip Range
6175	BSL 4-4	1/8	.126-.250
6176	BSL 4-6	1/8	.251-.375
6177	BSL 4-8	1/8	.376-.500
6178	BSL 6-2	3/16	.020-.125
6179	BSL 6-4	3/16	.126-.250
6180	BSL 6-6	3/16	.251-.375
6181	BSL 6-8	3/16	.376-.500
6182	BSL 6-10	3/16	.501-.625
6183	BSL 6-12	3/16	.626-.750
6184	BSL 6-14	3/16	.751-.875
6185	BSL 6-16	3/16	.876-1.00



Large Flange All Stainless Steel

Part #	Cherry #	Dia.	Grip Range
6350	CCL 4-6	1/8	.251-.375



Monobolt Protruding Aluminum/Aluminum

Part #	Cherry #	Dia.	Grip Range
6650	BAPV 6-4	3/16	.062-.270
6651	BAPV 6-7	3/16	.214-.420
6652	BAPV 8-6	1/4	.080-.375
6653	BAPV 8-10	1/4	.350-.625



Monobolt Protruding Steel/Steel

Part #	Cherry #	Dia.	Grip Range
6654	SSPV 6-4	3/16	.062-.270
6655	SSPV 6-7	3/16	.214-.420
6656	SSPV 8-6	1/4	.080-.375
6657	SSPV 8-10	1/4	.350-.625

Rivets - (Monobolts)



Closed-End Sealing Pop Rivets Hollow Core Dome Aluminum/Steel

Part #	Dia.	Grip Range
AD42H	1/8	.032-.125
AD44H	1/8	.126-.250
AD46H	1/8	.251-.375
AD48H	1/8	.376-.500
AD62H	3/16	.063-.125
AD64H	3/16	.126-.250
AD66H	3/16	.251-.375
AD68H	3/16	.376-.500



Closed-End Sealing Pop Rivets Solid Dome Aluminum/Steel

Part #	Dia.	Grip Range
AD42S	1/8	.032-.125
AD62S	3/16	.063-.125
AD64S	3/16	.126-.250
AD66S	3/16	.251-.375

Rivet Guns

Rivet Gun - Air powered

Part #	Description
NP616	Up to 3/16" Diameter
NP618	Up to 1/4" Diameter

This air powered riveter is powerful, rugged, durable and has stream-line construction. It is compact, only 3-1/4 lbs. but with heavy weight capabilities. Well balanced between 60/90 psi. This ideal time saving air/hydraulic riveter will handle steel rivets.



Rivets - (Structural-Self Plugging)



Dome Aluminum/Aluminum

Part #	Cherry #	Dia.	Grip Range
6401	AAPQ 4-4	1/8	.126-.250



Dome Aluminum/Steel

Part #	Cherry #	Dia.	Grip Range
6410	BSPQ 6-2	3/16	.020-.125
6411	BSPQ 8-4	1/4	.188-.250



Dome Steel/Steel

Part #	Cherry #	Dia.	Grip Range
6417	SSPQ 4-6	1/8	.251-.375
6420	SSPQ 6-8	3/16	.376-.500
6422	SSPQ 8-4	1/4	.126-.250
6423	SSPQ 8-6	1/4	.251-.375
6424	SSPQ 8-8	1/4	.376-.500



Counter Sunk Steel/Steel

Part #	Cherry #	Dia.	Grip Range
6450	SSCQ 6-4	3/16	.126-.250



Dome Aluminum/Aluminum

Part #	Dia.	Grip Range
RV6604-6-4W	3/16"	.062-.250
RV6604-6-6W	3/16"	.187-.375
RV6604-6-8W	3/16"	.312-.500
RV6604-6-10W	3/16"	.437-.625
RV6604-8-4W	1/4"	.602-.250
RV6604-8-6W	1/4"	.125-.375
RV6604-8-8W	1/4"	.250-.500

Olympic Rivets

Dome - Low Profile Aluminum/Aluminum

Part #	Dia.	Grip Range
RV6606-6-6W	3/16"	.187-.375
RV6606-6-8W	3/16"	.312-.500
RV6606-8-6W	1/4"	.125-.375
RV6606-8-8W	1/4"	.250-.500
RV6606-8-10W	1/4"	.375-.625



Dome - Shaveable Aluminum/Aluminum

Part #	Dia.	Grip Range
RV6607-6-6W	3/16"	.050-.375
RV6607-6-8W	3/16"	.050-.500
RV6607-8-8W	1/4"	.050-.500

Dome - Low Profile Steel/Steel

Part #	Dia.	Grip Range
RV6676-6-6W	3/16"	.187-.375 75
RV6676-8-4W	1/4"	.062-.250
RV6676-8-6W	1/4"	.125-.375
RV6676-8-8W	1/4"	.250-.500
RV6676-10W	1/4"	.375-.625

Rivets - (Special Situation)

Protruding Aluminum/Steel

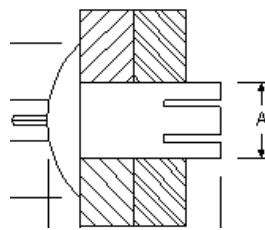
Part #	Cherry #	Dia.	Grip Range
6624	BSPT 8-125	1/4"	.109-.140
6625	BSPT 8-500	1/4"	.484-.515



Drive Rivets

3/16" Information Table

BODY DIAMETER "A"	GRIP RANGE "G"	LENGTH "D"
0.187 3/16" Diameter	.047-.140	1/4
	.078-.171	9/32
	.140-.234	11/32
	.203-.296	13/32
	.265-.359	15/32
	.328-.421	17/32
	.390-.484	19/32
	.453-.546	21/32
	.515-.609	23/32
	.578-.671	25/32
BRAZIER HEAD "B" Head Diameter .469" "C" Head Height .094"	.640-.734	27/32
	.703-.796	29/32
	.765-.859	31/32
	.828-.921	1-1/32
	.890-.984	1-3/32
	.953-1.047	1-5/32



1/4" Information Table

BODY DIAMETER "A"	GRIP RANGE "G"	LENGTH "D"
0.025 1/4" Diameter	.047-.140	1/4
	.078-.171	9/32
	.140-.234	11/32
	.203-.296	13/32
	.265-.359	15/32
	.328-.421	17/32
	.390-.484	19/32
	.453-.546	21/32
	.515-.609	23/32
	.578-.671	25/32
UNIVERSAL HEAD "B" Head Diameter .500" "C" Head Height .107"	.640-.734	27/32
	.703-.796	29/32
	.765-.859	31/32
	.828-.921	1-1/32
	.890-.984	1-3/32
	.953-1.047	1-5/32
BRAZIER HEAD "B" Head Diameter .625" "C" Head Height .125"	.640-.734	27/32
	.703-.796	29/32
	.765-.859	31/32
	.828-.921	1-1/32
	.890-.984	1-3/32
	.953-1.047	1-5/32

Universal Head
Multi-Grip

Part #	Nom.	Dia.	Grip Range
2210-03000	3/32	3/16	.047-.140
2210-04000	1/8	3/16	.078-.171
2210-06000	3/16	3/16	.140-.234
2210-08000	1/4	3/16	.203-.296
2210-10000	5/16	3/16	.265-.359
2210-12000	3/8	3/16	.328-.421
2210-16000	1/2	3/16	.453-.543
2215-04000	1/8	1/4	.078-.171
2215-06000	3/16	1/4	.140-.234
2215-08000	1/4	1/4	.203-.296
2215-10000	5/16	1/4	.265-.359
2215-12000	3/8	1/4	.328-.421
2215-16000	1/2	1/4	.453-.546



Full Brazier Head
Standard-Grip

Part #	Nom.	Dia.	Grip Range
2215-20500	5/8	1/4	.594-.656
2215-28500	7/8	1/4	.834-.906
2215-32500	1	1/4	.969-1.031
2215-36500	1-1/8	1/4	1.094-1.156
2215-44500	1-3/8	1/4	1.344-1.406

Full Brazier Head Multi-Grip

Part #	Nom.	Dia.	Grip Range
2210-03500	3/32	3/16	.047-.140
2210-04500	1/8	3/16	.078-.171
2210-06500	3/16	3/16	.140-.234
2210-08500	1/4	3/16	.203-.296
2210-10500	5/16	3/16	.265-.359
2210-12500	3/8	3/16	.328-.421
2210-16500	1/2	3/16	.453-.546
2215-04500	1/8	1/4	.078-.171
2215-06500	3/16	1/4	.140-.234
2215-07800	7/32	1/4	.172-.265
2215-08500	1/4	1/4	.203-.296
2215-10500	5/16	1/4	.265-.359
2215-12500	3/8	1/4	.328-.421
2215-14500	7/16	1/4	.390-.484
2215-16500	1/2	1/4	.453-.546



Solid Rivets

Package Quantities of 100 or 1,000

Aluminum - Brazier Soft

Part #	Dia.	Length.	Pcs/#
S455-66	3/16	3/8	523
S455-67	3/16	7/16	480
S455-68	3/16	1/2	445
S455-69	3/16	9/16	411
S455-610	3/16	5/8	384
S455-612	3/16	3/4	338
S455-614	3/16	7/8	303
S455-616	3/16	1	274
S455-86	1/4	3/8	257
S455-87	1/4	7/16	238
S455-88	1/4	1/2	222
S455-89	1/4	9/16	207
S455-810	1/4	5/8	195
S455-812	1/4	3/4	174
S455-814	1/4	7/8	157
S455-816	1/4	1	143

Aluminum - Modified Brazier Hard

Part #	Dia.	Length.	Pcs/#
H456-66	3/16	3/8	649
H456-67	3/16	7/16	584
H456-68	3/16	1/2	531
H456-69	3/16	9/16	485
H456-610	3/16	5/8	448
H456-612	3/16	3/4	387
H456-614	3/16	7/8	341
H456-616	3/16	1	305
H456-86	1/4	3/8	369
H456-87	1/4	7/16	331
H456-88	1/4	1/2	300
H456-89	1/4	9/16	274
H456-810	1/4	5/8	253
H456-812	1/4	3/4	216
H456-814	1/4	7/8	192
H456-816	1/4	1	172
H456-108	5/16	1/2	169
H456-1010	5/16	5/8	145
H456-1012	5/16	3/4	128

Aluminum - Brazier - Hard

Part #	Dia.	Length.	Pcs/#
H455-66	3/16	3/8	523
H455-67	3/16	7/16	480
H455-68	3/16	1/2	445
H455-69	3/16	9/16	411
H455-610	3/16	5/8	384
H455-612	3/16	3/4	338
H455-614	3/16	7/8	303
H455-616	3/16	1	274
H455-86	1/4	3/8	257
H455-87	1/4	7/16	238
H455-88	1/4	1/2	222
H455-89	1/4	9/16	207
H455-810	1/4	5/8	195
H455-812	1/4	3/4	174
H455-814	1/4	7/8	157
H455-816	1/4	1	143
H455-108	5/16	1/2	127
H455-1010	5/16	5/8	113
H455-1012	5/16	3/4	102
H455-128	3/8	1/2	80
H455-1210	3/8	5/8	72
H455-1212	3/8	3/4	66

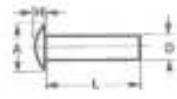
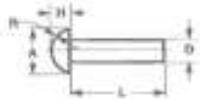
Aluminum - Universal - Hard

Part #	Dia.	Length.	Pcs/#
H470-48	1/8	1/2	1261
H470-65	3/16	5/16	714
H470-66	3/16	3/8	633
H470-67	3/16	7/16	571
H470-68	3/16	1/2	521
H470-69	3/16	9/16	476
H470-610	3/16	5/8	441
H470-612	3/16	3/4	382
H470-614	3/16	7/8	337
H470-616	3/16	1	301
H470-86	1/4	3/8	306
H470-87	1/4	7/16	279
H470-88	1/4	1/2	257
H470-89	1/4	9/16	238
H470-810	1/4	5/8	222
H470-812	1/4	3/4	195
H470-814	1/4	7/8	174
H470-816	1/4	1	143
H470-108	5/16	1/2	151
H470-1010	5/16	5/8	132
H470-1012	5/16	3/4	117
H470-1212	3/8	3/4	81
H470-1214	3/8	7/8	73

Aluminum - Round - Hard

Part #	Dia.	Length.	Pcs/#
H430-66	3/16	3/8	505
H430-67	3/16	7/16	464
H430-68	3/16	1/2	429
H430-69	3/16	9/16	399
H430-610	3/16	5/8	373
H430-612	3/16	3/4	330
H430-614	3/16	7/8	296
H430-616	3/16	1	269
H430-87	1/4	7/16	229
H430-88	1/4	1/2	214
H430-89	1/4	9/16	200
H430-810	1/4	5/8	189
H430-812	1/4	3/4	169
H430-814	1/4	7/8	153
H430-816	1/4	1	149

Solid Rivet Specifications

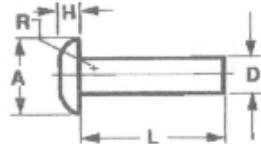
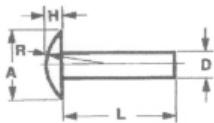


Round Head Rivets

Nominal Diameter (D)		A	H	R
Fraction	Decimal	Head Diameter	Head Height	Head Radius
3/32	0.094	0.187	0.070	0.098
1/8	0.125	0.250	0.094	0.130
5/32	0.156	0.312	0.117	0.163
3/16	0.187	0.375	0.141	0.195
1/4	0.250	0.500	0.188	0.260
5/16	0.312	0.625	0.234	0.326
3/8	0.375	0.750	0.281	0.391

Modified Brazier Head Rivets

Nominal Diameter (D)		A	H
Fraction	Decimal	Head Diameter	Head Height
3/32	0.094	0.156	0.031
1/8	0.125	0.235	0.047
5/32	0.156	0.312	0.063
3/16	0.187	0.390	0.078
1/4	0.250	0.468	0.094
5/16	0.312	0.625	0.125
3/8	0.375	0.781	0.156



Brazier Head Rivets

Nominal Diameter (D)		A	H	R
Fraction	Decimal	Head Diameter	Head Height	Head Radius
3/32	0.094	0.234	0.047	0.170
1/8	0.125	0.312	0.062	0.227
5/32	0.156	0.391	0.078	0.283
3/16	0.187	0.469	0.094	0.340
1/4	0.250	0.625	0.125	0.453
5/16	0.312	0.781	0.156	0.566
3/8	0.375	0.937	0.187	0.680

Universal Head Rivets

Nominal Diameter (D)		A	H	R
Fraction	Decimal	Head Diameter	Head Height	Head Radius
3/32	0.094	0.187	0.045	0.170
1/8	0.125	0.250	0.062	0.227
5/32	0.156	0.312	0.078	0.283
3/16	0.187	0.375	0.094	0.340
1/4	0.250	0.500	0.125	0.453
5/16	0.312	0.625	0.156	0.566
3/8	0.375	0.750	0.187	0.680

Solid Rivets - Steel



Button (Round) Head

Part #	Dia.	Length
201-18	3/16	1/2
203-18	3/16	5/8
205-18	3/16	3/4
204-18	3/16	1
209-18	3/16	1-1/4
211-18	3/16	1-1/2

Button (Round) Head

Part #	Dia.	Length
213-18	1/4	1/2
215-18	1/4	5/8
217-18	1/4	3/4
219-18	1/4	1
221-18	1/4	1-1/4
223-18	1/4	1-1/2

Button (Round) Head

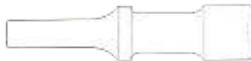
Part #	Dia.	Length
225-183	5/16	1/2
227-18	5/16	5/8
229-18	5/16	3/4
231-18	5/16	1
233-18	5/16	1-1/4
235-18	5/16	1-1/2

Button (Round) Head

Part #	Dia.	Length
237-18	3/8	1/2
239-18	3/8	5/8
241-18	3/8	3/4
243-18	3/8	1
245-18	3/8	1-1/4
247-18	3/8	1-1/2



Rivet Sets, Chisels, Punches & Cutters



Rivet Sets

Part #	Size	Head Size
AJAX1604	3/16"	Round Head
AJAX1605	1/4"	Round Head
AJAX1606	5/16"	Round Head
AJAX1610	3/16"	Modified Brazier
AJAX1611	1/4"	Modified Brazier
AJAX1612	5/16"	Modified Brazier
AJAX1620	3/16"	Brazier Head
AJAX1621	1/4"	Brazier Head
AJAX1622	5/16"	Brazier Head
AJAX1636	3/16"	Universal
AJAX1637	1/4"	Universal
AJAX1638	5/16"	Universal
401 Shank Overall Length 3-1/2"		



Claw Ripper/Edging Tool



Muffler Cutter



Flat Chisel



Tapered Punch

Chisels, Punches & Cutters

Part #	Description	Size
AJAX907	Claw Ripper / Edging Tool	5-3/8"
AJAX9008	Muffler Cutter	7-1/2"
AJAX910	3/4" Wide Flat Chisel	6-1/2"
AJAX910-11	3/4" Wide Flat Chisel	11"
AJAX910-11/2	1-1/2" Wide Flat Chisel	6-1/2"
AJAX910-11-1-1/2	1-1/2" Wide Flat Chisel	11"
AJAX910-18	3/4" Wide Flat Chisel	18"
AJAX911	Tapered Punch	6-1/2"
AJAX912	Rivet Cutter	5-3/4"
AJAX913	Straight Punch	6-1/2"
AJAX913-18	Straight Punch	18"
AJAX925	Pencil Paint Punch	6-1/2"
Other Sizes & Styles Available		



Rivet Cutter



Straight Punch



Pencil Paint Punch



Retaining Springs

Part #	Type
AJAX895	Beehive
AJAX897	Mech Aid





Rivnuts

Sold In Quantities of 50



Klik-Rivet Nuts Flat Head Steel-Zinc Plated

Part #	Thread Size	Drill	Grip Range
49140	10-32	1/4	.010-.080
49150	1/4-20	Q	.020-.080
49171	5/16-18	Z	.030-.125
49174	5/16-18	Z	.125-.200



Gold Serrated Rivnuts

Part #	Size	Grip Range
49210GS	6-32	.020-.080
49425GS	8-32	.020-.080
49435GS	10-24	.020-.130
49445GS	10-32	.020-.130
49455GS	1/4-20	.027-.165
49475GS	5/16-18	.027-.150
49485GS	3/8-16	.027-.150



Riv-Nut Tools

Part #	Description
45045	Tool Only
K-45045	Tool, Mandrels and Nosepieces for 6-32, 8-32, 10-24 and Mandrels for 1/4-20 and 5/16-18. Plus 100 assorted Klik Rivet-Nuts and Klik Poly-Nuts

Huck Bolts

Huck Pins & Collars

	Part#	Diameter	Grip
MAGNA GRIP PINS STEEL-ZINC PLATED	MGPB-R6-10G	3/16"	.062-.625
	MGPB-R8-10G	1/4"	.062-.625
	MGPB-R8-20G	1/4"	.312-1.25
	MGPB-R10-12G	5/16"	.125-.750
	MGPB-R10-22G	5/16"	.625-1.375
	MGPB-R12-14G	3/8"	.125-.875
	MGPB-R12-26G	3/8"	.812-1.625
98T HEAD	MGP98T-R6-10G	3/16"	.062-.625
STEEL-ZINC PLATED TRUSS HEAD	MGPT-R8-10G	1/4"	.062-.625
	MGPT-R8-20G	1/4"	.312-1.250
MAGNA GRIP COLLARS STEEL-ZINC PLATED	MGC-R6U	3/16"	
	MGC-R8U	1/4"	
	MGC-R10U	5/16"	
WIDE FLANGE	MGCS-R6U	3/16"	



Drill & Tap Chart

National Coarse & Fine Thread				Taper Pipe		Straight Pipe	
Thread	Drill	Thread	Drill	Thread	Drill	Thread	Drill
# 0-80	3/64"	1/2"-13	27/64"	1/8"-27	R	1/8"-27	S
# 1-64	# 53	1/2"-20	29/64"	1/4"-18	7/16"	1/4"-18	29/64"
# 1-72	# 53	9/16"-12	31/64"	3/8"-18	37/64"	3/8"-18	19/32"
# 2-56	# 51	9/16"-18	33/64"	1/2"-14	23/32"	1/2"-14	47/64"
# 2-64	# 50	5/8"-11	17/32"	3/4"-14	59/64"	3/4"-14	15/16"
# 3-48	5/64"	5/8"-18	37/64"	1"-11-1/2	1"-5/32	1"-11-1/2	1"-3/16
# 3-56	# 46	3/4"-10	21/32"	1-1/4"-11-1/2	1"-1/2	1-1/4"-11-1/2	1"-33/64
# 4-40	# 43	3/4"-16	11/16"	1-1/2"-11-1/2	1"-47/64	1-1/2"-11-1/2	1"-3/4
# 4-48	# 42	7/8"-9	49/64"	2"-11-1/2	2"-7/32	2"-11-1/2	2"-7/32
# 5-40	# 39	7/8"-14	13/16"	2-1/2"-8	2"-5/8	2-1/2"-8	2"-21/32
# 5-44	# 37	1"-8	7/8"	3"-8	3"-1/4	3"-8	3"-9/32
# 6-32	# 36	1"-14	15/16"	3-1/2"-8	3"-3/4	3-1/2"-8	3"-25/32
# 6-40	# 33	1-1/8"-7	63/64"	4"-8	4"-1/4	4"-8	4"-9/32
# 8-32	# 29	1-1/8"-12	1"-3/64	4-1/2"-8	4"-3/4	4-1/2"-8	4"-25/32
# 8-36	# 29	1-1/4"-7	1"-7/64	5"-8	5"-9/32	5"-8	5"-11/32
# 10-24	# 25	1-1/4"-12	1"-11/64	6"-8	6"-11/32	6"-8	6"-13/32
# 10-32	# 21	1-1/2"-6	1"-11/32				
# 12-24	# 17	1-1/2"-12	1"-27/64				
# 12-28	# 15	1-3/4"-5	1"-35/64				
1/4"-20	# 8	1-3/4"-12	1"-43/64				
1/4"-28	# 3	2"-4-1/2	1"-25/32				
5/16"-18	F	2"-12	1"-59/64				
5/16"-24	1	2-1/4"-4-1/2	2"-1/32				
3/8"-16	5/16"	2-1/2"-4	2"-1/4				
3/8"-24	Q	2-3/4"-4	2"-1/2				
7/16"-14	U	3"-4	2"-3/4				
7/16"-20	W						

**National Screw Thread
Commission Standards
Based on Approximately
75% Full Thread**





Decimal Equivalent Chart

Size	Decimal Equivalent	Size	Decimal Equivalent	Size	Decimal Equivalent	Size	Decimal Equivalent	Size	Decimal Equivalent
97	0.0059	68	0.0310	9.50 mm	0.3740	52	0.0635	19/32"	0.5938
96	0.0063	1/32"	0.0312	3/8"	0.3750	1.65 mm	0.0650	39/64"	0.6094
95	0.0067	.80 mm	0.0315	V	0.3770	1.70 mm	0.0669	15.50 mm	0.6102
94	0.0071	67	0.0320	9.60 mm	0.3780	51	0.0670	5/8"	0.6250
93	0.0075	66	0.0330	9.70 mm	0.3819	1.75 mm	0.0689	16.00 mm	0.6299
92	0.0079	.85 mm	0.0335	9.75 mm	0.3839	50	0.0700	41/64"	0.6406
91	0.0083	65	0.0350	9.80 mm	0.3858	1.80 mm	0.0709	16.50 mm	0.6496
90	0.0087	.90 mm	0.0354	W	0.3860	1.85 mm	0.0728	21/32"	0.6562
89	0.0091	64	0.0360	9.90 mm	0.3898	49	0.0730	17.00 mm	0.6693
88	0.0095	63	0.0370	25/64"	0.3906	1.90 mm	0.0748	43/64"	0.6719
.25 mm	0.0098	.95 mm	0.0374	10.00 mm	0.3937	48	0.0760	11/16"	0.6875
87	0.0100	62	0.0380	X	0.3970	1.95 mm	0.0768	17.50 mm	0.6890
86	0.0105	19/64"	0.2969	Y	0.4040	5/64"	0.0781	45/64"	0.7031
85	0.0110	7.60 mm	0.2992	13/32"	0.4062	47	0.0785	18.00 mm	0.7087
84	0.0115	N	0.3020	Z	0.4130	2.00 mm	0.0787	23/32"	0.7188
.30 mm	0.0118	7.70 mm	0.3031	10.50 mm	0.4134	2.05 mm	0.0807	18.50 mm	0.7283
83	0.0120	7.75 mm	0.3051	27/64"	0.4219	46	0.0810	47/64"	0.7344
82	0.0125	7.80 mm	0.3071	11.00 mm	0.4331	45	0.0820	19.00 mm	0.7480
.32 mm	0.0126	7.90 mm	0.3110	7/16"	0.4375	2.10 mm	0.0827	3/4"	0.7500
81	0.0130	5/16"	0.3125	11.50 mm	0.4528	2.15 mm	0.0846	49/64"	0.7656
80	0.0135	8.00 mm	0.3150	29/64"	0.4531	44	0.0860	19.50 mm	0.7677
.35 mm	0.0138	O	0.3160	15/32"	0.4688	2.20 mm	0.0866	25/32"	0.7812
.36 mm	0.0142	8.10 mm	0.3189	12.00 mm	0.4724	2.25 mm	0.0886	20.00 mm	0.7874
79	0.0145	8.20 mm	0.3228	31/64"	0.4844	43	0.0890	51/64"	0.7969
.38mm	0.0150	P	0.3230	61	0.0390	2.30 mm	0.0906	20.50 mm	0.8071
1/64"	0.0156	8.25 mm	0.3248	1.00 mm	0.0394	2.35 mm	0.0925	13/16"	0.8125
.40 mm	0.0157	8.30 mm	0.3268	60	0.0400	42	0.0935	21.00 mm	0.8268
78	0.0160	21/64"	0.3281	59	0.0410	3/32"	0.0938	53/64"	0.8281
.42 mm	0.0165	8.40 mm	0.3307	1.05 mm	0.0413	2.40 mm	0.0945	27/32"	0.8438
.44 mm	0.0173	Q	0.3320	58	0.0420	41	0.0960	21.50 mm	0.8465
.45 mm	0.0177	8.50 mm	0.3346	57	0.0430	2.45 mm	0.0965	55/64"	0.8594
77	0.0180	8.60 mm	0.3386	1.10 mm	0.0433	40	0.0980	22.00 mm	0.8661
.46 mm	0.0181	R	0.3390	1.15 mm	0.0453	2.50 mm	0.0984	7/8"	0.8750
.48 mm	0.0189	8.70 mm	0.3425	56	0.0465	39	0.0995	22.50 mm	0.8858
.50 mm	0.0197	11/32"	0.3438	3/64"	0.0469	38	0.1015	57/64"	0.8906
76	0.0200	8.75 mm	0.3445	1.20 mm	0.0472	2.60 mm	0.1024	23.00 mm	0.9055
75	0.0210	8.80 mm	0.3465	1.25 mm	0.0492	12.50 mm	0.4921	29/32"	0.9062
.55 mm	0.0217	S	0.3480	1.30 mm	0.0512	1/2"	0.5000	59/64"	0.9219
74	0.0225	8.90 mm	0.3504	55	0.0520	13.00 mm	0.5118	23.50 mm	0.9252
.60 mm	0.0236	9.00 mm	0.3543	1.35 mm	0.0531	33/64"	0.5156	15/16"	0.9375
73	0.0240	T	0.3580	54	0.0550	17/32"	0.5312	24.00 mm	0.9449
72	0.0250	9.10 mm	0.3583	1.40 mm	0.0551	13.50 mm	0.5315	61/64"	0.9531
.65 mm	0.0256	23/64"	0.3594	1.45 mm	0.0571	35/64"	0.5469	24.50 mm	0.9646
71	0.0260	9.20 mm	0.3622	1.50 mm	0.0591	14.00 mm	0.5512	31/32"	0.9688
.70 mm	0.0276	9.25	0.3642	53	0.0595	9/16"	0.5625	25.00 mm	0.9843
70	0.0280	9.30 mm	0.3661	1.55 mm	0.0610	14.50 mm	0.5709	63/64"	0.9844
69	0.0292	U	0.3680	1/16"	0.0625	37/64"	0.5781	1"	1.0000
.75 mm	0.0295	9.40 mm	0.3701	1.60 mm	0.0630	15.00 mm	0.5906		



Decimal Equivalent Chart

Size	Decimal Equivalent								
25.50 mm	1.0039	17	0.1730	33.00 mm	1.2992	5.70 mm	0.2244	40.50 mm	1.5945
37	0.1040	4.40 mm	0.1732	1-5/16"	1.3125	5.75 mm	0.2264	1-39/64"	1.6094
2.70 mm	0.1063	16	0.1770	33.50 mm	1.3189	1	0.2280	41.00 mm	1.6142
36	0.1065	4.50 mm	0.1770	1-21/64"	1.3281	5.80 mm	0.2283	1-5/8"	1.6250
2.75 mm	0.1083	15	0.1800	34.00 mm	1.3386	5.90 mm	0.2323	41.50 mm	1.6339
7/64"	0.1094	4.60 mm	0.1811	1-11/32"	1.3438	A	0.2340	1-41/64"	1.6406
35	0.1100	14	0.1820	34.50 mm	1.3583	15/64"	0.2344	42.00 mm	1.6535
2.80 mm	0.1102	13	0.1850	1-23/64"	1.3594	6.00 mm	0.2362	1-21/32"	1.6562
34	0.1110	4.70 mm	0.1850	1-3/8"	1.3750	B	0.2380	1-43/64"	1.6719
33	0.1130	4.75 mm	0.1870	35.00 mm	1.3780	6.10 mm	0.2402	4250 mm	1.6732
2.90 mm	0.1142	3/16"	0.1875	1-25/64"	1.3906	C	0.2420	1-11/16"	1.6875
32	0.1160	4.80 mm	0.1890	35.50 mm	1.3976	6.20 mm	0.2441	43.00 mm	1.6929
3.00 mm	0.1181	12	0.1890	1-13/32"	1.4062	D	0.2460	1-45/64"	1.7031
31	0.1200	11	0.1910	36.00 mm	1.4173	6.25 mm	0.2461	43.50 mm	1.7126
3.10 mm	0.1220	1-1/64"	0.1916	1-27/64"	1.4219	6.30 mm	0.2480	1-23/32"	1.7188
1/8"	0.1250	26.00 mm	0.1926	36.50 mm	1.4370	1/4"E	0.2500	44.00 mm	1.7323
3.20 mm	0.1260	1-1/32"	0.1931	1-7/16"	1.4375	6.40 mm	0.2520	1-47/64"	1.7344
3.25 mm	0.1280	26.50 mm	0.1943	1-29/64"	1.4531	6.50 mm	0.2559	1-3/4"	1.7500
30	0.1285	1-3/64"	0.1946	37.00 mm	1.4567	F	0.2570	44.50 mm	1.7520
3.30 mm	0.1299	1-1/16"	0.1962	1-15/32"	1.4688	6.60 mm	0.2598	1-49/64"	1.7656
3.40 mm	0.1339	27.00 mm	0.1963	37.50 mm	1.4764	G	0.2610	45.00 mm	1.7717
29	0.1360	1-5/64"	0.1978	1-31/64"	1.4844	6.70 mm	0.2638	1-25/32"	1.7812
3.50 mm	0.1378	27.50 mm	0.1982	38.00 mm	1.4961	17/64"	0.2656	45.50 mm	1.7913
28	0.1405	1-3/32"	0.1993	1-1/2"	1.5000	6.75 mm	0.2657	1-51/64"	1.7969
9/64"	0.1406	28.00 mm	0.1994	1-33/64"	1.5156	H	0.2660	46.00 mm	1.8110
3.60 mm	0.1417	1-7/64"	0.1994	38.50 mm	1.5157	6.80 mm	0.2677	1-13/16"	1.8125
27	0.1440	28.50 mm	0.1995	1-17/32"	1.5312	6.90 mm	0.2717	1-53/64"	1.8281
3.70 mm	0.1457	1-1/8"	0.1995	4.90 mm	0.1929	I	0.2720	46.50 mm	1.8307
26	0.1470	1-9/64"	0.1996	10	0.1935	7.00 mm	0.2756	1-27/32"	1.8438
3.75 mm	0.1476	29.00 mm	0.1997	9	0.1960	J	0.2770	47.00 mm	1.8504
25	0.1495	1-5/32"	0.1997	5.00 mm	0.1969	7.10 mm	0.2795	1-55/64"	1.8594
3.80 mm	0.1496	29.50 mm	0.1998	8	0.1990	K	0.2810	47.50 mm	1.8701
24	0.1520	1-11/64"	0.1998	5.10 mm	0.2008	9/32"	0.2812	1-7/8"	1.8750
3.90 mm	0.1535	30.00 mm	0.1999	7	0.2010	7.20 mm	0.2835	48.00 mm	1.8898
23	0.1540	1-3/16"	0.1999	13/64"	0.2031	7.25 mm	0.2854	1-57/64"	1.8906
5/32"	0.1562	30.50 mm	0.2008	6	0.2040	7.30 mm	0.2874	1-29/32"	1.9062
22	0.1570	1-13/64"	0.2031	5.20 mm	0.2047	L	0.2900	48.50 mm	1.9094
4.00 mm	0.1575	1-7/32"	0.2038	5	0.2055	7.40 mm	0.2913	1-59/64"	1.9219
21	0.1590	31.00 mm	0.2025	5.25 mm	0.2067	M	0.2950	49.00 mm	1.9291
20	0.1610	1-15/64"	0.2044	5.30 mm	0.2087	7.50 mm	0.2953	1-15/16"	1.9375
4.10 mm	0.1614	31.50 mm	0.2042	4	0.2090	39.00 mm	0.15354	49.50 mm	1.9488
4.20 mm	0.1654	1-1/4"	0.2050	5.40 mm	0.2126	1-35/64"	0.15469	1-61/64"	1.9531
19	0.1660	32.00 mm	0.2058	3	0.2130	39.50 mm	0.15551	50.00 mm	1.9685
4.25 mm	0.1673	1-17/64"	0.2065	5.50 mm	0.2165	1-9/16"	0.15625	1-31/32"	1.9688
4.30 mm	0.1693	32.50 mm	0.2075	7/32"	0.2188	40.00 mm	0.15748	1-63/64"	1.9844
18	0.1695	1-9/32"	0.2082	5.60 mm	0.2205	1-37/64"	0.15781	50.50 mm	1.9882
11/64"	0.1719	1-19/64"	0.2096	2	0.2210	1-19/32"	0.15938	2"	2.0000

Drill Bits - Bully Premium

Sold Individually



Bully Sets

Part #	Size
AQF-29	29 pc Metal Index
AQF-29P	29 pc Round Index

Bully Jobber Length Bits

Part #	Size
CD09201	1/16
CD09211	5/64
CD09221	3/32
CD09231	7/64
CD09241	1/8
CD09251	9/64
CD09261	5/32
CD09271	11/64
CD09282	3/16
CD09292	13/64
CD09302	7/32
CD09312	15/64
CD09321	1/4
CD09331	17/64
CD09341	9/32
CD09351	19/64
CD09361	5/16
CD09371	21/64
CD09381	11/32
CD09391	23/64
CD09401	3/8
CD09411	25/64
CD09421	13/32
CD09431	27/64
CD09441	7/16
CD09451	29/64
CD09461	15/32
CD09471	31/64
CD09481	1/2

Thunder Bits Heavy Duty Jobber Length Drills 135° Split Point



Thunderbit begins life as premium M-7, industrial grade steel. After the heavy duty cutting surfaces and self-centering point are formed, it's surface treated and dressed in bronze oxide. Thunderbit powers through deep or shallow holes with lightening speed. It weathers extreme drilling conditions and comes out of the hole shining.

Part #	Dia.	Flute Length	Overall Length
T12504	1/16	7/8	1-7/8
T12505	5/64	1	2
T12506	3/32	1-1/4	2-1/14
T12507	7/64	1-1/2	2-5/8
T12508	1/8	1-5/8	2-3/4
T12509	9/64	1-3/4	2-7/8
T12510	5/32	2	3-1/8
T12511	11/64	2-1/8	3-1/4
T12512	3/16	2-5/16	3-1/2

Part #	Dia.	Flute Length	Overall Length
T12514	7/32	2-1/2	3-3/4
T12515	15/64	2-5/8	3-7/8
T12516	1/4	2-3/4	4
T12517	17/64	2-7/8	4-1/8
T12518	9/32	2-15/16	4-1/4
T12519	19/64	3-1/16	4-3/8
T12520	5/16	3-3/16	4-1/2
T12521	21/64	3-5/16	4-5/8
T12522	11/32	3-7/16	4-3/4

Part #	Dia.	Flute Length	Overall Length
T12524	3/8	3-5/8	5
T12525	25/64	3-3/4	51/8-
T12526	13/32	3-7/8	5-1/4
T12527	27/64	3-1/16	5-3/8
T12528	7/16	4-1/16	5-1/2
T12529	29/64	4-3/16	5-5/8
T12530	15/32	4-5/16	5-3/4
T12531	31/64	4-3/8	5-7/8
T12532	1/2	4-1/2	6

Assortments:

T17HD - (29 pc set - 1/16" through 1/2" by 64ths in Metal Index)
 T18HD - (15 pc set - 1/16" through 1/2" by 32ths in Metal Index)
 T19HD - (13 pc set - 1/16" through 1/4" by 64ths in Metal Index)



Drill Bits

Sold Individually

Cobalt Heavy Duty Drill 135° Split Point



135 Degree Split Point Self Centering and reduces "walking" at the drill point.

Heavy Duty Construction for strength and rigidity.

Heavier web construction permits higher feed rates while resisting drill reflection.

Unique flute form improves chip ejection, reduces drill retractions and improves coolant flow to the drill point.

Part #	Dia.	Part #	Dia	Part #	Dia
T11504	1/16	T11514	7/32	T11524	3/8
T11505	5/64	T11515	15/64	T11525	25/64
T11506	3/32	T11516	1/4	T11526	13/32
T11507	7/64	T11517	17/64	T11527	27/64
T11508	1/8	T11518	9/32	T11528	7/16
T11509	9/64	T11519	19/64	T11529	29/64
T11510	5/32	T11520	5/16	T11530	15/32
T11511	11/64	T11521	21/64	T11531	31/64
T11512	3/16	T11522	11/32	T11532	1/2
T11513	13/64	T11523	23/64		

Assortments:

T17C - (29 pc set - 1/16" through 1/2" by 64ths in Metal Index)

T18C - (15 pc set - 1/16" through 1/2" by 32ths in Metal Index)

T19C - (13 pc set - 1/16" through 1/4" by 64ths in Metal Index)

Mechanics Length Super Premium Drills 135° Split Point



Mechanics length drills are the ultimate tools for hand drilling. Three flats on the shank provide a positive accurate chuck grip and virtually eliminate drill/chuck slippage. The shorter overall length and reduced flute length result in a stronger more rigid drill with greater breakage resistance.

These are no equal to this versatile drill when used in demanding maintenance of portable drilling functions.

Part #	Dia.	Length	Part #	Dia.	Length	Part #	Dia.	Length
22860	1/16	1-7/8	87020	7/32	3-1/4	87120	3/8	4-1/4
22870	5/64	2	87030	15/64	3-3/8	87130	25/64	4-5/16
22880	3/32	2-1/4	87040	1/4	3-1/2	87140	13/32	4-3/8
86950	7/64	2-3/8	87050	17/64	3-5/8	87150	27/64	4-7/16
86960	1/8	2-1/2	87060	9/32	3-3/4	87160	7/16	4-1/2
86970	9/64	2-5/8	87070	19/64	3-7/8	87170	29/64	4-5/8
86980	5/32	2-3/4	87080	5/16	4	87180	15/32	4-3/4
86990	11/64	2-7/8	87090	21/64	4-1/16	87190	31/64	4-7/8
87000	3/16	3	87100	11/32	4-1/8	87200	1/2	5
87010	13/64	3-1/8	87110	23/64	4-3/16			

Assortments:

SPM-29 - (29 pc set - 1/16" through 1/2" by 64ths in Metal Index)



Heavy Duty Drills

Sold Individually

Jobber Length 135° Split Point Numbered Bits



Part #	Size								
T12601	#1	T12613	#13	T12625	#25	T12637	#37	T12649	#49
T12602	#2	T12614	#14	T12626	#26	T12638	#38	T12650	#50
T12603	#3	T12615	#15	T12627	#27	T12639	#39	T12651	#51
T12604	#4	T12616	#16	T12628	#28	T12640	#40	T12652	#52
T12605	#5	T12617	#17	T12629	#29	T12641	#41	T12653	#53
T12606	#6	T12618	#18	T12630	#30	T12642	#42	T12654	#54
T12607	#7	T12619	#19	T12631	#31	T12643	#43	T12655	#55
T12608	#8	T12620	#20	T12632	#32	T12644	#44	T12656	#56
T12609	#9	T12621	#21	T12633	#33	T12645	#45	T12657	#57
T12610	#10	T12622	#22	T12634	#34	T12646	#46	T12658	#58
T12611	#11	T12623	#23	T12635	#35	T12647	#47	T12659	#59
T12612	#12	T12624	#24	T12636	#36	T12648	#48	T12660	#60

Assortments:

Part # 400N60 - (60 pc set - #1 thru #60)

Jobber Length 135° Split Point Lettered Bits



Part #	Size								
T12701	A	T12707	G	T12713	M	T12719	S	T12725	Y
T12702	B	T12708	H	T12714	N	T12720	T	T12726	Z
T12703	C	T12709	I	T12715	O	T12721	U		
T12704	D	T12710	J	T12716	P	T12722	V		
T12705	E	T12711	K	T12717	Q	T12723	W		
T12706	F	T12712	L	T12718	R	T12724	X		

Assortments:

Part # 400N26 - (26 pc set - A thru Z)

Jobber Length 118° Point



Part #	Size	Part #	Size	Part #	Size	Part #	Size
T11202	1/32	T11210	5/32	T11217	17/64	T11225	25/64
T11204	1/16	T11211	11/64	T11218	9/32	T11226	13/32
T11205	5/64	T11212	3/16	T11219	19/64	T11227	27/64
T11206	3/32	T11213	13/64	T11220	5/16	T11228	7/16
T11207	7/64	T11214	7/32	T11221	21/64	T11229	29/64
T11208	1/8	T11215	15/64	T11222	11/32	T11230	15/32
T11209	9/64	T11216	1/4	T11224	3/8	T11231	31/64

Double Ended Drill Bits W/135° Split Point



Part #	Size	Part #	Size
T98807	7/64	T98812	3/16
T98808	1/8	T98814	7/32
T98809	9/64	T98816	1/4
T98810	5/32	T98820	#20
T98811	#11	T98830	#30



Heavy Duty Drills

Sold Individually
Jobber Length 135° Split Point



Part #	Size
T11403	3/64
T11404	1/16
T11405	5/64
T11406	3/32
T11407	7/64
T11408	1/8
T11409	9/64

Part #	Size
T11410	5/32
T11411	11/64
T11412	3/16
T11413	13/64
T11414	7/32
T11415	15/64
T11416	1/4

Part #	Size
T11417	17/64
T11418	9/32
T11419	19/64
T11420	5/16
T11421	21/64
T11422	11/32
T11425	25/64

Part #	Size
T11426	13/32
T11427	27/64
T11428	7/16
T11429	29/64
T11430	15/32
T11431	31/64
T11432	1/2

Assortments:

T17D - (29 pc set - 1/16" through 1/2" by 64ths in Metal Index)
T18D - (15 pc set - 1/16" through 1/2" by 32ths in Metal Index)
T19D - (13 pc set - 1/16" through 1/4" by 64ths in Metal Index)

Stubby Drill Bit 135° Split Point



Part #	Size
T44404	1/16
T44405	5/64
T44406	3/32
T44407	7/64
T44408	1/8
T44409	9/64
T44410	5/32
T44411	11/64

Part #	Size
T44412	3/16
T44413	13/64
T44414	7/32
T44415	15/64
T44416	1/4
T44417	17/64
T44418	9/32

Part #	Size
T44419	19/64
T44420	5/16
T44421	21/64
T44422	11/32
T44423	23/64
T44424	3/8
T44425	25/64
T44426	13/32

Part #	Size
T44427	27/64
T44428	7/16
T44429	29/64
T44430	15/32
T44431	31/64
T44432	1/2

Assortments:

300A29 - (29 pc set - 1/16" through 1/2" by 64ths in Metal Index)
300A21 - (21 pc set - 1/16" through 3/8" by 64ths in Metal Index)
300A13 - (13 pc set - 1/16" through 1/4" by 64ths in Metal Index)

Stubby Drill Bit 135° Split Point



Part #	Size
T44501	#1
T44502	#2
T44503	#3
T44504	#4
T44505	#5
T44506	#6
T44507	#7
T44508	#8
T44509	#9
T44510	#10
T44511	#11
T44512	#12

Part #	Size
T44513	#13
T44514	#14
T44515	#15
T44516	#16
T44517	#17
T44518	#18/
T44519	#19
T44520	#20
T44521	#21
T44522	#22
T44523	#23
T44524	#24

Part #	Size
T44525	#25
T44526	#26
T44527	#27
T44528	#28
T44529	#29
T44530	#30
TT44531	#31
T44532	#32
T44533	#33
T44534	#34
T44535	#35
T44536	#36

Part #	Size
T44537	#37
T44538	#38
T44539	#39
T44540	#40
T44541	#41
T44542	#42
T44543	#43
T44544	#44
T44545	#45
T44546	#46
T44547	#47
T44548	#48

Part #	Size
T44549	#49
T44550	#50
T44551	#51
T44552	#52
T44553	#53
T44554	#54
T44555	#55
T44556	#56
T44557	#57
T44558	#58
T44559	#59
T44560	#60

J



Heavy Duty Drills

H.S. Left Hand Jobber Drill Bits

Sold Individually



Part #	Size	Part #	Size
T10902	1/32	T10910	5/32
T10904	1/16	T10912	3/16
T10905	5/64	T10914	7/32
T10906	3/32	T10916	1/4
T10907	7/64	T10920	5/16
T10908	1/8	T10924	3/8



6" Aircraft Drill Bits 135° Split Point

Part #	Size
T57504	1/16
T57506	3/32
T57508	1/8
T57510	5/32
T57512	3/16
T57514	7/32
T57516	1/4
T57518	9/32
T57520	5/16
T57522	11/32
T57524	3/8
T57526	13/32
T57528	7/16
T57530	15/32
T57532	1/2



High Spiral Car Reamers-1/2" Shank

Part #	Size	Flute Length	Overall Length
9801	1/2	3-5/8	5-15/16
9802	5/8	4-1/4	6-9/16
9803	3/4	4-9/16	7
9804	7/8	4-9/16	7-1/4
9805	1	4-9/16	7-1/4



Reduced Shank Drill Bits

Part #	Size	Shank
T91660	5/16	1/4
T91664	3/8	1/4
T91668	7/16	1/4
T91670	15/32	1/4
T91672	1/2	1/4
T91988	7/16	3/8
T91992	1/2	3/8

Vari Bits

Part #	# of Hole Sizes	Hole Sizes	Drill Size
VB1	13	1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2	1/4" & UP
VB2	8	9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1	3/8" & UP
VB3	9	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	3/8" & UP
VB4	6	3/16, 1/4, 5/16, 3/8, 7/16, 1/2	3/8" & UP



12" Aircraft Drill Bits 135° Split Point

Part #	Size
T58506	3/32
T58508	1/8
T58510	5/32
T58512	3/16
T58514	7/32
T58516	1/4
T58518	9/32
T58520	5/16
T58522	11/32
T58524	3/8
T58526	13/32
T58528	7/16
T58530	15/32
T58532	1/2



Silver & Deming Drill Bits - 1/2" Flattened Shank

Part #	Size	Part #	Size
T91834	17/32	T91856	7/8
T91836	9/16	T91858	29/32
T91838	19/32	T91860	15/16
T91840	5/8	T91862	31/32
T91842	21/32	T91864	1
T91844	11/16	T91868	1-1/16
T91846	23/32	T91872	1-1/8
T91848	3/4	T91880	1-1/4
T91850	25/32	T91888	1-3/8
T91852	13/16	T91896	1-1/2
T91854	27/32		



Heavy Duty Drills

Sold Individually

Flat Woodboring Bits 1/4" Hex Shank, 6" O.A. Length



Part #	Size	Part #	Size
T94416	1/4	T94452	13/16
T94420	5/16	T94456	7/8
T94424	3/8	T94460	15/16
T94428	7/16	T94464	1
T94432	1/2	T94508	1-1/8
T94436	9/16	T94516	1-1/4
T94440	5/8	T94524	1-3/8
T94444	11/16	T94532	1-1/2
T94448	3/4		



Screw, Stud, and Pipe Extractors

Part #	Extractor #	Dia. Removed	Extractor Shank Point	Drill Size
70770	E2	3/16-9/32	3/16-1/8	5/32
70780	E3	9/32-11/32	1/4-11/64	3/16
70800	E4	11/32-1/2	5/16-7/32	1/4
70810	E5	1/2-3/4	3/8-9/32	5/16
Kit # 70840 Contains 1 each of the above in a pouch				
Kit# BR8SQ Contains E1, E2, E3, E4, 1/8, 3/16, 1/4, 5/16 In Steel Drill Index				

Masonry Drill Bits Carbide Tipped



Part #	Size	Shank	Part #	Size	Shank
T38608	1/8	1/8	T38624	3/8	1/4
T38610	5/32	5/32	T38629	7/16	1/4
T38612	3/16	3/16	T38633	1/2	3/8
T38614	7/32	7/32	T38636	9/16	1/2
T38616	1/4	1/4	T38640	5/8	1/2
T38620	5/16	1/4	T38648	3/4	1/2



Carbon Steel Screw Extractors

Part #	Extractor #	Screw Sizes	Pipe Size	Small End Dia	Large End Dia	Flute Length	Overall Length	Drill Size
98131	1	3/32 to 5/32		.060	1/8	13/16	2	5/64
98132	2	5/32 to 7/32		.080	3/16	7/8	2-1/2	7/64
98133	3	7/32 to 9/32		1/8	1/4	1	2-3/4	5/32
98134	4	9/32 to 3/8		3/16	5/16	1-1/4	3	1/4
98135	5	3/8 to 5/8	1/8 & 1/4	1/4	7/16	1-5/8	3-3/8	17/64
98136	6	5/8 to 7/8	3/8	3/8	5/8	1-3/4	3-3/4	13/32
98137	7	7/8 to 1-1/8	1/2	15/32	7/8	2	4-1/8	17/32
98138	8	1-1/8 to 1-3/8	3/4	3/4	1-1/32	2	4-3/8	13/13
98139	9	1-3/8 & up	1	1	1-9/32	2-1/4	4-5/8	1-1/8



Annular Cutters

Sold Individually



Cutter Dia. (inch)	1" D.O.C.	2" D.O.C.
	Part No	Part No
7/16	SM4375	SM437L
1/2	SM5000	SM500L
14MM	SM5512	SM551L
9/16	SM5625	SM562L
15MM	SM5906	SM590L
5/8	SM6250	SM625L
16MM	SM6299	SM629L
17MM	SM6693	SM669L
11/16	SM6875	SM687L
18MM	SM7087	SM708L
19MM	SM7480	SM748L
3/4	SM7500	SM750L

Cutter Dia. (inch)	1" D.O.C.	2" D.O.C.
	Part No	Part No
20MM	SM7874	SM787L
13/16	SM8125	SM812L
21MM	SM8268	SM826L
22MM	SM8661	SM866L
7/8	SM8750	SM875L
23MM	SM9055	SM905L
15/16	SM9375	SM937
24MM	SM9449	SM944L
25MM	SM9843	SM984L
1	SM1000	SM100L
26MM	SM1023	SM102L
1-1/16	SM1062	SM106L

Cutter Dia. (inch)	1" D.O.C.	2" D.O.C.
	Part No	Part No
28MM	SM1102	SM110L
1-1/8	SM1125	SM112L
29MM	SM1141	SM114L
1-3/16	SM1187	SM118L
31MM	SM1220	SM122L
1-1/4	SM1250	SM125L
1-5/16	SM1312	SM131L
1-3/8	SM1375	SM137L
1-7/16	SM1437	SM143L
1-1/2	SM1500	SM150L
1-9/16	SM1562	SM156L
1-5/8	SM1625	SM162L

Cutter Dia. (inch)	1" D.O.C.	2" D.O.C.
	Part No	Part No
1-11/16	SM1687	SM168L
1-3/4	SM1750	SM175L
1-13/16	SM1812	SM181L
1-7/8	SM1875	SM187L
1-15/16	SM1937	SM193L
2	SM2000	SM200L
2-1/16	SM2062	SM206L
2-1/8	SM2125	SM212L
2-3/16	SM2187	SM218L
2-1/4	SM2250	SM225L
2-5/16	SM2312	SM231L
2-3/8	SM2375	SM237L

CUTTER SETS:

Part #	Description
SMRC021	Includes: Pin, 9/16", 11/16", 13/16".15.16",1-1/16" x 1" DOC
SMRC041	Includes: 2 Pins and 11 cutters sized 7/16" to 1-1/16" X 1" DOC
SMRC022	Includes: Pin, 9/16", 11/16", 13/16",15/16",1-1/16" x 2" DOC
SMRC042	Includes: 2 Pins and 11 cutters sized 7/16" to 1-1/16" x 2" DOC

Magnetic Base Drills

Sold Individually



D1 Magnetic Base Drill

Part #	Description
	The D1 is the most powerful, precise, portable magnetic drill in the industry.
SMD1	Uniquely engineered with a no maintenance rail system designed to extend the life of cutters and reduce cutter run out.
	Weighing only 23 lbs., the D1 cuts holes up to 1-1/2" in diameter through 2" thick mild steel. Only 14-3/4" tall, the D1 works in tight spaces and holds tight with its powerful "Intelligent" magnet.
	Fewer parts than most drills, the D1 is readily serviced in the field, allowing this drill to work longer and harder.



D2 Magnetic Base Drill

Part #	Description
	Powerful, Portable Drill that cuts through mild steel up to 2 1/16" Diameter, with 2" Depth of cut and weighing only 37 lbs.
SMD2	Unique low maintenance rail system reduces cutter run out and breakage without adjustments
	Dual speed for cutting a variety of hole sizes as small as 1/16" up to 2 – 1/16". Uses adjustable chuck for twist drill bits up to 1/2".
	Versatile, Light weight, and powerful, the D2's unique design allows for easy maintenance and repairs in the field, keeping it in service far longer than competitors with gib system designs



Tap & Drill Sets

Sold Individually



Tap & Drill Set - Standard

Part #	Contains
SP18TD	Drills - 36, 29, 25, 21, 71, F, U & 27/65 Taps - 6-32, 8-32, 10-24, 10-32, 1/4-20, 5/16-18, 3/8-16, 7/16-14 & 1/2-13

Tap & Drill Set - Metric

Part #	Contains
SP18TDM	Drills - 2.05, 2.50, 2.90, 3.30, 4.20, 5.00, 6.70, 8.50 & 10.20 Taps - 2.5-45, 3.0-50, 3.5-60, 4.0-70, 5.0-80, .6.0-1.00, 8.0-1.25, 10.0-1.50 & 12.0-1.75

Premium Grade Taps

Sold Individually



Taper Style
Starts the thread square
with the work piece.



Plug Style
Generally used in thru hole or in blind holes with sufficient
clearance



Bottoming Style
Generates the thread to
the bottom of blind holes

Special Hi-Tungsten and Hi-Molybdenum tool steels, gold surface treated for maximum lubricity. For general use in production tapping or hand operations. Precision ground threads for the ultimate in accuracy and performance. Taper, plug, and bottoming styles provide great versatility in tough materials, both blind and through holes. These high performance taps are available in complete sets of one taper, plug, and bottoming taps of the same size

Taper 23-AG	Plug 24-AG	Bottoming 25-AG	Size	No. of Flutes
60700	60701	60702	4-40	3
60750	60751	60752	6-32	3
60770	60771	60772	8-32	4
60790	60791	60792	10-24	4
60800	60801	60802	10-32	4
60810	60811	60812	12-24	4
60830	60831	60832	1/4-20	4
60840	60841	60842	1/4-28	4
60850	60851	60852	5/16-18	4
60860	60861	60862	5/16-24	4
60870	60871	60872	3/8-16	4
60880	60881	60882	3/8-24	4

Taper 23-AG	Plug 24-AG	Bottoming 25-AG	Size	No. of Flutes
60890	60891	60892	7/16-14	4
60900	60901	60902	7/16-20	4
60910	60911	60912	1/2-13	4
60920	60921	60922	1/2-20	4
60950	60951	60952	9/16-12	4
60960	60961	60962	9/16-18	4
60970	60971	60972	5/8-11	4
60980	60981	60982	5/8-18	4
60990	60991	60992	3/4-10	4
61400	61401	61402	3/4-16	4



Carbon Steel Taper Pipe Taps

Part #	Size	Length	Length	Flutes
22200	1/8-27	2-1/8	3/4	4
22200-1*	1/8-27	2-1/4	7/8	4
22201	1/4-18	2-7/16	1-1/16	4
22201-1	3/8-18	2-5/8	1-1/8	4
22201-2	1/2-14	3-1/8	1-3/8	4
22201-4	3/4-14	3-1/4	1-3/8	5
22201-6	1-11	3-3/4	1-3/4	5



Carbon Steel Pipe Dies

Part #	Size
T69547	1/8-27
T69548	1/4-18
T69549	3/8-18
T69577	1/2-14
T69578	3/4-14
T69579	1-



Premium Grade Taps

Sold Individually



Hex Dies

Type 27-AG Hex High Speed Steel Dies

Part #	Size
71000	4-40
71010	6-32
71020	8-32
71030	10-24
71040	10-32
71050	12-24
71060	1/4-20
71070	1/4-28

Part #	Size
71080	5/16-18
71090	5/16-24
71100	3/8-16
71110	3/8-24
71120	7/16-14
71130	7/16-20
71140	1/2-13
71150	1/2-20

Part #	Size
71160	9/16-12
71170	9/16-18
71180	5/8-11
71190	5/8-18
71200	3/4-10
71210	3/4-16



Hi-Carbon Metric Taps

Part #	Size
83070	6MM- 1.00
84230	8MM-1.00
83090	8MM-1.25
56800	10MM-1.00
83130	10MM-1.25
83140	10MM-1.50
84240	12MM-1.25
83160	12MM-1.50
83170	12MM-1.75
84250	14MM-1.50
83190	14MM-2.00
16MX2.0	16MM-2.00
18MX2.5	18MM-2.50



Hi-Carbon Metric Dies

Part #	Size
84060	6MM-1.00
84270	8MM-1.00
84080	8MM-1.25
84110	10MM-1.00
84120	10MM-1.25
84130	10MM-1.50
84280	12MM-1.25
84150	12MM-1.50
84160	12MM-1.75
84290	14MM-1.50
84180	14MM-2.00
84200	16MM-2.00
84220	18MM-2.50



Fix-A-Thread / Helicoils

Sold Individually



Inserts Only

Part #	Size	Inserts/ Pack	Drill Size
208-201	10-32	12	13/64
208-204	1/4-28	12	17/64
208-205	5/16-24	12	21/64
208-206	3/8-24	12	25/64
208-207	7/16-20	6	29/64
208-208	1/2-20	6	33/64
208-210	5/8-18	6	41/64

Inserts Only

Part #	Size	Inserts/Pack	Drill Size
208-014	4-40	12	1/8
208-015	5-40	12	9/64
208-016	6-32	12	5/32
208-018	8-32	12	11/64
208-101	10-24	12	13/64
208-104	1/4-20	12	17/64
208-105	5/16-18	12	21/64
208-106	3/8-16	12	25/64
208-107	7/16-14	6	29/64
208-108	1/2-13	6	17/32
208-109	9/16-12	6	19/32
208-110	5/8-11	6	21/32
208-112	3/4-10	4	25/32
108-116	1-8	1	1-1/32

Inserts Only

Part #	Size	Inserts/Pack	Drill
206-305	M5 X .080	12	13/64
206-306	M6 X 1.00	12	1/4
206-308	M8 X 1.25	12	21/64
206-310	M10 X 1.50	12	13/32
106-312	M12 X 1.75	6	31/64



Kit - Inserts, Tool & Tap

Part #	Size	Inserts/Pack	Drill Size
1208-014	4-40	12	1/8
1208-015	5-40	12	9/64
1208-016	6-32	12	5/32
1208-018	8-32	12	11/64
1208-101	10-24	12	13/64
1208-104	1/4-20	12	17/64
1208-105	5/16-18	12	21/64
1208-106	3/8-16	12	25/64
1208-107	7/16-14	6	29/64
1208-108	1/2-13	6	17/32
1208-109	9/16-12	6	19/32
1208-110	5/8-11	6	21/32
1208-112	3/4-10	4	25/32
3208-116	1-8	1	1-1/32

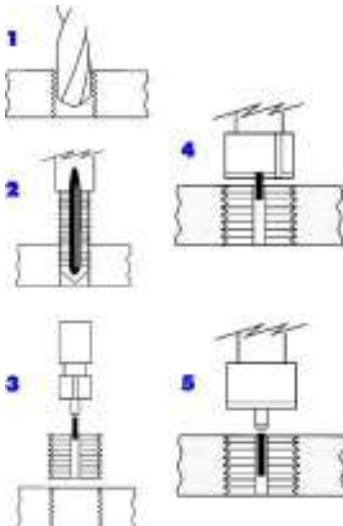
Kit - Inserts, Tool & Tap

Part #	Size	Inserts/Pack	Drill Size
1221-305	M5 X .080	12	13/64
1221-306	M6 X 1.00	12	1/4
1221-308	M8 X 1.25	12	21/64
1221-310	M10 X 1.50	12	13/32
3221-M12C	M12 X 1.75	6	31/64

Kit - Inserts, Tool & Tap

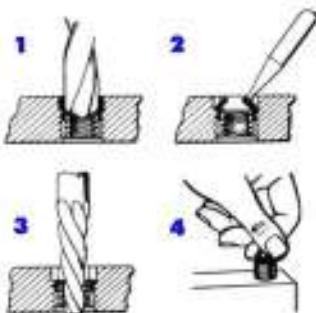
Part #	Size	Inserts/Pack	Drill Size
1208-201	10-32	12	13/64
1208-204	1/4-28	12	17/64
1208-205	5/16-24	12	21/64
1208-206	3/8-24	12	25/64
1208-207	7/16-20	6	29/64
1208-208	1/2-20	6	33/64
1208-210	5/8-18	6	41/64

Keenserts



Easy Installation

- 1 Drill out old threads, using standard drill.
- 2 Tap new threads, using standard tap.
- 3 Slide tool slots over keys & screw insert into part until insert is flush with the top of the part.
- 4 Pull tool back slightly and turn approximately 45° so keys will locate in the ring groove of the tool. Strike tool with hammer & seat the keys as far as possible.
- 5 Finish seating the keys with the bottom of the pilot. Drive down the keys so they are flush with the part surface.



Removal

- 1 Use standard drill to remove insert material between keys.
- 2 Deflect keys inward and break off.
- 3 Remove insert with screw extractor type tool.
- 4 An identical insert can now be installed in the original hole. No re-work of the hole will be necessary.



Thin Wall Keenserts

Part #	Internal Thread Class 2B	External Thread (mod) Class 2A	Length	Qty	Installation Data			Removal Data	
					Install Tool Part #	Tap * Drill	Tap Size Class 2B	Drill Size	Depth
NSPA6901	#10-24	5/16"-18	.31"	10	NSPA6901-T	"I"	5/16"-18	7/32"	5/32"
NSPA6911	#10-32								
NSPA6902	1/4"-20								
NSPA6912	1/4"-28	3/8"-16	.37"	10	NSPA6902-T	"Q"	3/8"-16	9/32"	3/16"
NSPA6903	5/16"-18	7/16"-14	.43"	10	NSPA6903-T	"X"	7/16"-14	11/32"	3/16"
NSPA6913	5/16"-24								
NSPA6904	3/8"-16								
NSPA6914	3/8"-24	1/2"-13	.50"	5	NSPA6904-T	29/64"	1/2"-13	13/32"	3/16"
NSPA6905	7/16"-14								
NSPA6915	7/16"-20	9/16"-12	.56"	5	NSPA6905-T	33/64"	9/16"-12	15/32"	3/16"
NSPA6906	1/2"-13								
NSPA6916	1/2"-20	5/8"-11	.62"	5	NSPA6906-T	37/64"	5/8"-11	17/32"	3/16"

* Please note the tap drill diameter. It will differ from the drill size specified on standard tap instructions.



Keenserts



Metric Keenserts

Part #	Internal Class 5H	External Class 4H	Length	Qty	Installation Data		Removal Data	
					Install Tool Part #	Tap * Drill	Tap Size Class 2B	Drill Size
NSPA6960	M5-0.8	M8-1.25	8 mm	10	NSPA6960-T	M6.9	M8-1.25	M5.5
NSPA6961	M6-1.0	M10-1.25	10 mm	10	NSPA6961-T	M8.8	M10-1.25	M7.50
NSPA6962	M8-1.0				NSPA6962-T	M10.8	M12-1.25	M9.50
NSPA6963	M8-1.25	M12-1.25	12 mm	10			M14-1.50	M4.75
NSPA6964	M10-1.25				NSPA6964-T	M12.8	M14-1.50	M11.50
NSPA6965	M10-1.50	M14-1.50	14 mm	5			M16-1.50	M4.75
NSPA6966	M12-1.25				NSPA6966-T	M14.75	M16-1.50	M13.50
NSPA6964	M12-1.75	M16-1.50	16 mm	5			M18-1.75	M4.75

Heavy Duty Keenserts

Part #	Internal Class 2B	External Class 2A	Length	Qty	Installation Data		Removal Data	
					Install Tool Part #	Tap * Drill	Tap Size Class 2B	Drill Size
NSPA6920	#10-24				NSPA6920-T	"Q"	3/8"-16	9/32"
NSPA6940	#10-32	3/8"-16	.31"	10				1/8"
NSPA6921	1/4"-20				NSPA6921-T	"X"	7/16"-14	11/32"
NSPA6941	1/4"-28	7/16"-14	.37"	10				3/16"
NSPA6922	5/16"-18				NSPA6922-T	29/64"	1/2"-13	13/32"
NSPA6942	5/16"-24	1/2"-13	.43"	10				3/16"
NSPA6923	3/8"-16				NSPA6923-T	33/64"	9/16"-12	15/32"
NSPA6943	3/8"-24	9/16"-12	.50"	5				3/16"
NSPA6924	7/16"-14				NSPA6924-T	37/64"	5/8"-11	17/32"
NSPA6944	7/16"-20	5/8"-11	.62"	5				3/16"
NSPA6925	1/2"-13				NSPA6925-T	45/64"	3/4"-16"	21/32"
NSPA6945	1/2"-20	3/4"-16"	.62"	5				3/16"
NSPA6926	9/16"-12				NSPA6926-T	45/64"	3/4"-16"	21/32"
NSPA6946	9/16"-18	3/4"-16"	.81"	2				3/16"
NSPA6927	5/8"-11				NSPA6927-T	53/64"	7/8"-14	25/32"
NSPA6947	5/8"-18	7/8"-14	.87"	2				3/16"
NSPA6928	3/4"-10				NSPA6928-T	1-1/16"	1-1/8"-12	31/32"
NSPA6948	3/4"-16	1-1/8"-12	1.12"	1				5/16"
NSPA6929	7/8"-9				NSPA6929-T	1-3/16"	1-1/4"-12	1-3/32"
NSPA6949	7/8"-14	1-1/4"-12	1.25"	1				5/16"
NSPA6930	1"-8				NSPA6930-T	1-5/16"	1-3/8"-12	1-7/32"
NSPA6950	1"-12	1-3/8"-12	1.37"	1				5/16"
NSPA6931	1"-14				NSPA6931-T	1-7/16"	1-1/2"-12	1-11/32"
NSPA6951	1-1/8"-7							5/16"
NSPA6932	1-1/8"-12	1-1/2"-12	1.62"	1	NSPA6932-T			
NSPA6933	1-1/4"-7				NSPA6933-T	1-9/16"	1-5/8"-12	1-15/32"
NSPA6953	1-1/4"-12	1-5/8"-12	1.81"	1				5/16"

* Please note the tap drill diameter. It will differ from the drill size specified on standard tap instructions.



Blades

Sold Individually



Hand Hack Saw Blades

Part #	Size (In.)	Teeth/inch	Size
1018-E	10 X 1/2 X .025	18	250 X 13 X 0.63
1024-E	10 X 1/2 X .025	24	250 X 13 X 0.63
1032-E	10 X 1/2 X .025	32	250 X 13 X 0.63
1214-E	12 X 1/2 X .025	14	300 X 13 X 0.63
1218-E	12 X 1/2 X .025	18	300 X 13 X 0.63
1224-E	12 X 1/2 X .025	24	300 X 13 X 0.63
1232-E	12 X 1/2 X .025	32	300 X 13 X 0.63



Lenox Gold Metal Cutting

Part #	Length	T.P.I.
L610G	6"	10
L614G	6"	14
L618G	6"	18
L624G	6"	24



Reciprocating Blades

Part #	Size	Teeth
314-WE-RC	3 X 1/4 X .025	14
318-WE-RC	3 X 1/4 X .025	18
306-WE-R	3 1/2 X 3/4 X .035	6
310-WE-R	3 1/2 X 3/4 X .035	10
414-WE-R	4 X 3/4 X .035	14
418-WE-R	4 X 3/4 X .035	18
424-WE-R	4 X 3/4 X .035	24
606-WE-R	6 X 3/4 X .035	6
610-WE-R	6 X 3/4 X .035	10
614-WE-R	6 X 3/4 X .035	14
618-WE-R	6 X 3/4 X .035	18
624-WE-R	6 X 3/4 X .035	24
656-WE-R	6 X 3/4 X .035	6
676-WE-RC	6 X 7/16 X .050	6
814-WE-R	8 X 3/4 X .035	14
156-WE-R	12 X 3/4 X .050	6
110-WE-R	12 X 3/4 X .050	10
636-WE-RP	6 X 3/4 X .035	6

J



Jig/Sabre Saw Blades

Part #	Size	Teeth
314-WE-J	3 X 3/8 X .035	14
318-WE-J	3 X 3/8 X .035	18
324-WE-J	3 X 3/8 X .035	24
350-WE-J	3 1/2 X 1/4 X .035	10
386-WE-J	3 1/2 X 3/8 X .035	6
380-WE-J	3 1/2 X 3/8 X .035	10
344-WE-J	3 1/2 X 3/8 X .035	14



Bayonet Blades

Part #	Size	Teeth
336-WE-B	3 X 3/8 X .032	6
330-WE-B	3 X 3/8 X .032	10
334-WE-B	3 X 3/8 X .032	14
338-WE-B	3 X 3/8 X .032	18
130-WE-B	1 3/4 X 1/4 X .032	10
134-WE-B	1 3/4 X 1/4 X .032	14
138-WE-B	1 3/4 X 1/4 X .032	18
124-WE-B	1 3/4 X 1/4 X .032	24



Lenox Gold Demolition

Part #	Length	T.P.I.
L6066G	6"	6
L966G	9"	10
L960G	9"	6



Lenox Gold Heavy Metal Cutting

Part #	Length	T.P.I.
L6108G	6"	8
L6110G	6"	10
L6114G	6"	14
L6118G	6"	18



Blades for Bosch Jig Saws

Part #	Size	Teeth
406-WE-S	4 X 3/8 X .035	6H
410-WE-S	4 X 3/8 X .035	10
314-WE-S	3 X 3/8 X .035	14
318-WE-S	3 X 3/8 X .035	18
324-WE-S	3 X 3/8 X .035	24



Air Saw Blades

Part #	Size	Teeth
JSA31218	3"	18
JSA31224	3"	24
JSA31232	3"	32

Steel Max Saws & Blades

Sold Individually



Steel Max Saws

Part #	Size
SMS7	7.25" Metal Cutting Saw with Free Blade & Carrying Case
SMS9	9" Metal Cutting Saw With Free Blade & Carrying Case
SMS14	14" Dry Cutter. Metal Cutting Saw w/ Mild Steel Blade
<ul style="list-style-type: none"> Increase Productivity - No Milling or de-burring with near-surgical dry-cut technology. Cuts a Variety of Metals, Plastic and Wood - Bring your saw to the work-piece while cutting mild steel, stainless steel and aluminum as easy as it cuts plywood. Cool-to-the-Touch - No waiting for your workpiece to cool down. Just cut it and handle it. Precise Cutting - With integrated laser sighting system. (models SMS7 - SMS9) 	

Steel Max Blades

Part #	Description
RGMBL07-5	7.25" Mild Steel Blade
RGMBL07-5TS	7.25" Thin Steel Blade
RGML07-5ALM	7.25" Aluminum Blade
RGMBL07-5SS	7.25" Stainless Steel Blade
RGMBL07-5WD	7.25" Wood Cutting Blade
RGMBL09	9" Mild Steel Blade
RGMBL09-5	9.25" Mild Steel Blade
RGMBL09TS	9" Thin Steel Blade
RGMBL09ALM	9" Aluminum Blade
RGMBL09SS	9" Stainless Steel Blade
RGMBL014	14" Mild Steel Blade
RGMBL014TS	14" Thin Steel Blade
RGMBL014ALM	14" Aluminum Blade
RGMBL014SS	14" Stainless Steel Blade

Hole Saws

Sold Individually



Part #	Saw Dia.	Arbor #
9	9/16	8 OR 1
10	5/8	8 OR 1
11	11/16	8 OR 1
12	3/4	8 OR 1
13	13/16	8 OR 1
14	7/8	8 OR 1
15	15/16	8 OR 1
16	1	8 OR 1
17	1-1/16	8 OR 1
18	1-1/8	8 OR 1

Part #	Saw Dia.	Arbor #
19	1-3/16	8 OR 1
20	1-1/4	2 OR 1
21	1-5/16	2 OR 3
22	1-3/8	2 OR 3
23	1-7/16	2 OR 3
24	1-1/2	2 OR 3
25	1-9/16	2 OR 3
26	1-5/8	2 OR 3
27	1-11/16	2 OR 3
28	1-3/4	2 OR 3

Part #	Saw Dia.	Arbor #
42	2-5/8	2 OR 3
44	2-3/4	2 OR 3
46	2-7/8	2 OR 3
48	3	2 OR 3
50	3-1/8	2 OR 3
52	3-1/4	2 OR 3
54	3-3/8	2 OR 3
56	3-1/2	2 OR 3
58	3-5/8	2 OR 3
60	3-3/4	2 OR 3

Part #	Saw Dia.	Arbor #
62	3-7/8	2 OR 3
64	4	2 OR 3
66	4-1/8	2 OR 3
68	4-1/4	2 OR 3
70	4-3/8	2 OR 3
72	4-1/2	2 OR 3
76	4-3/4	2 OR 3
80	5	2 OR 3
88	5-1/2	2 OR 3
96	6	2 OR 3



Arbors

Part #	Lenox Part #	Chuck Size	Fits Hole Saw	Shank Type
1	1L	1/2" & Larger	9/16" - 1-3/16"	Hex
3	2L	1/2" & Larger	1-1/4" - 6"	Hex
8	4L	1/4" & Larger	9/16" - 1-3/16"	Round
2	6L	3/8" & Larger	1-1/4" - 6"	Hex
10-1	30857-AA1	Hole Saw Arbor Adapter		
PILOT	30850-4321	Pilot Bit For Hole Saws		

Shop Supplies

Sold Individually Unless Noted



Industrial Batteries

Part #	Description	Qty
AL-D	Alkaline D Size	12
AL-C	Alkaline C Size	12
AL-AA	Alkaline AA Size	24
AL-AAA	Alkaline AAA Size	24
AL-9V	Alkaline 9-Volt Size	12
AL-AAAA	Alkaline AAAA Size	6



Scratch Brush

Part #	Description
796U3	Wood Handle Brass Bristles
337A3	Plastic Handle Stainless Bristles



Wire Brush

Part #	Description
801018	Shoe Handle Wire Brush
801016	Curved Long Handle Wire Brush



Black Fuel Line & Vapor Emission Hose

Part #	Size	Length
9748	1/4"	25'
9749	5/16"	25'
9755	3/8"	25'
9756	7/16"	25'



Paint Marker & Crayons

Part #	Description
B461301	White Paint Marker
B461302	Yellow Paint Marker
B461303	Lumber Crayon Yellow
W11-165	Tire Crayon Yellow
MY45-102	Tire Crayon White



Tarp Straps

Part #	Length
9RSBK	9"
15RSBK	15"
21RSBK	21"
31RSBK	31"
41RSBK	41"



Spray Bottles

Part #	Description
B883348	24 oz.

Round translucent bottle. Adjustable Trigger Spray.



Red Heater Hose

Part #	I.D.	Rein Type	Length
9739	1/2"	2 Ply	50'
9736	5/8"	2 Ply	50'
9738	3/4"	3 Ply	50'
9738-1	1"	3 Ply	50'

Shop Air Hose

Red rubber, brass NPTF ends, 300 p.s.i., -40 to +190 degrees. - USA Made

Part #	Length
SA38025	3/8" X 25'
SA38050	3/8" X 50'
SA12025	1/2" X 25'
SA12050	1/2" X 50'



AEP Wrap

Part #	Description
W-1	AEP Wrap 1" X 3'
W1-50	EAP Wrap 1" X 50'

- Protect Abrasion Area
- Repair Abrasion Cuts
- Prevent Hose to Hose Abrasion
- Repair / Splicing Electrical Cables
- Flexible and Tough



Windshield Washer & Vacuum Tubing

Part #	Nipple Size	Inside Dia.	Length
9760	1/8"	7/64	50'
9762	3/16"	5/32	50'
9758	1/4"	7/32	50'

Couplers And Plugs

Sold Individually



1/4" Industrial Interchange Series Type "D"

Thread Type	NPT Size	Type Metal	Coupler	Plug
Male	1/4"	Steel	ESA14A	ESA14NA
Female	1/4"	Steel	ESA14I	ESA14NI
Male	3/8"	Steel		C61-535
Female	3/8"	Steel		CP20-23

Plated steel couplers have hardened steel balls and stainless steel springs. Couplerplugs are heat treated to reduce wear on critical mating surfaces. The Industrial Interchange Series couplers interchange with Aro, Foster, Milton as well as units produced by other manufacturers. Maximum working pressure 300 PSI.



1/4" Series Lincoln Long Nose Type "A"

Thread Type	NPT Size	Type Metal	Coupler	Plug
Male	1/4"	Steel	C61-486	C61-550
Female	1/4"	Steel	C61-548	C61-551



1/4" Automotive Standard Series Type "C"

Thread Type	NPT Size	Type Metal	Coupler	Plug
Male	1/4"	Steel	C61-524	ESC14M
Female	1/4"	Steel	C61-523	ESC14F



Universal Couplers

Part #	Thread Type	NPT Size	Type Metal
50X4F	Female	1/4"	Steel
50X4M	Male	1/4"	Steel

Compatible with 3 styles of nipples- Industrial Interchange, Aro, and Automotive. Push to connect design. Rated pressure 150 P.S.I.



3/8" Industrial Series Type "E"

Thread Type	NPT Size	Type Metal	Coupler	Plug
Male	1/4"	Steel	C25-02	CP25-02
Female	1/4"	Steel	C26-22	CP26-22
Male	3/8"	Steel	C61-483	C61-484
Female	3/8"	Steel	C61-482	C61-485

Couplers and Plugs listed in this section are intended for use on compressed air lines only. All have a maximum rated working pressure of 300 PSI.



1/4" Industrial Interchange "G" Style

Thread Type	NPT Size	Type Metal	Coupler	Plug
Female	1/4	Steel	M715	



1/4" A-Style ARO Series

Thread Type	NPT Size	Type Metal	Coupler	Plug
Male	1/4"	Steel		M777
Female	1/4"	Steel	M775	M778



1/2" Industrial Interchange "G" Style

Thread Type	NPT Size	Type Metal	Coupler	Plug
Female	1/2"	Steel	M1815	
Male	1/4"	Steel		M1855



Springs

Sold Individually



Part #	OA Length	OA Dia.	Wire Dia.	Type
M1	1-5/16	5/32	.023	Comp.
M2	1-1/2	3/16	.020	Comp.
M3	7/32	1-5/8	.015	Comp.
M4	1-1/8	21/64	.028	Comp.
M5	1-1/8	15/32	.047	Comp.
M6	1-7/16	7/16	.041	Comp.
M7	1-7/16	3/8	.035	Comp.
M8	1-1/2	5/16	.020	Comp.
M9	1-1/2	3/8	.047	Comp.
M10	1-9/16	5/8	.054	Comp.
M11	1-3/4	1/2	.054	Comp.
M12	1-7/8	3/8	.025	Comp.
M13	2-3/16	3/4	.062	Comp.
M14	2-3/4	5/8	.041	Comp.
M15	2-13/16	1/2	.062	Comp.
M16		1/2	.072	Tors.
M17	2-13/16	5/16	.036	Ext.
M18	2-7/16	1/4	.032	Ext.
M19	2-1/2	9/32	.035	Ext.
M20	2-1/4	9/32	.026	Ext.
M21	2-5/16	1/4	.020	Ext.
M22	2-1/8	5/16	.032	Ext.
M23	2	3/16	.020	Ext.
M24	1-7/8	3/8	.036	Ext.
M25	1-9/16	1/4	.031	Ext.
M26	1-15/16	3/8	.034	Ext.
M27	1-1/2	15/64	.028	Ext.

Part #	OA Length	OA Dia.	Wire Dia.	Type
M28	2	1/2	.072	Ext.
M29	2-1/8	1/2	.063	Ext.
M30	2-3/8	1/2	.055	Ext.
M31	2	3/4	.1055	Ext.
M32	1-3/4	3/4	.1055	Ext.
M33	3	11/16	.062	Comp.
M34	3	3/4	.105	Comp.
M35	3	53/64	.047	Comp.
M36	3	3/4	.1055	Ext.
M37	4-5/8	1-1/4	.120	Comp.
M38	2-5/8	3/4	.1055	Ext.
M39	2-1/4	3/4	.1055	Ext.
M40	2-7/8	5/8	.080	Ext.
M41	3-1/4	23/32	.062	Ext.
M42	5-3/4	1-1/8	.128	Ext.
M43	3-9/16	3/16	.023	Ext.
M44	3-3/4	5/16	.036	Ext.
M45	2-1/2	5/16	.023	Ext.
M46	4	3/8	.035	Ext.
M47	3-3/4	15/32	.047	Ext.
M48	2-9/16	3/8	.042	Ext.
M49	2-15/16	7/16	.062	Ext.
M50	3-5/8	1/2	.062	Ext.
M51	9-1/2	11/16	.072	Comp.
M52	3-1/4	13/16	.062	Comp.
M53	3-3/8	3/4	.047	Comp.
M54	3-7/16	7/8	.080	Comp.



Cap Plugs



Dash No.	Tubing O.D.	Thread	Cap Plug As Plug	Cap Plug As Caps
-2	1/8"	5-16" - 24	T1	T2
-3	3/16"	3/8" - 24	T2	T3-X
-4	1/4"	7/16" - 20	T3	T4-X
-5	5/16"	1/2" - 20	T4	T5
-6	3/8"	9/16" - 18	T5	T6-X
	3/8"	5/8" - 18	T6	T7
-8	1/2"	3/4" - 16	T8	T9-X
-10	5/8"	7/8" - 14	T10	T11-X
-12	3/4"	1 1/16" - 12	T12-X	T13-X
-16	1"	1 5/16" - 12	T14-X	T15-X
-20	1-1/4"	1 5/8" - 12	T17-S	T18
-24	1-1/2"	1 7/8" - 12	T19	T20

Standard Insulating Bushings

Part #	Inside Dia.	Head Dia.	Thickness	Hole Dia.	Max. Thickness
MP2502	0.125	0.312	0.312	0.250	0.062
MP3754	0.250	0.468	0.406	0.375	0.125
MP5005	0.312	0.578	0.406	0.500	0.125
MP6258	0.500	0.718	0.406	0.625	0.125
MP7510	0.625	0.843	0.406	0.750	0.125
MP1000	0.800	1.125	0.406	1.000	0.125



Misc Items - Shop Supplies

Sold Individually



Rubber Grommets

Part #	Panel Thickness	I.D.	Hole Size
2072	1/16"	1/8"	1/4"
2073	1/16"	3/16"	5/16"
2074	1/16"	1/4"	3/8"
2075	1/16"	5/16"	7/16"
2076	1/16"	3/8"	1/2"
5718	1/16"	7/16"	9/16"
2077	1/16"	1/2"	5/8"
5719	3/32"	1/2"	3/4"
2078	1/16"	5/8"	7/8"
2079	1/16"	11/16"	1"
5720	3/32"	3/4"	1-1/16"
5721	1/16"	1-3/16"	1-3/8"



Mechanics Wire (5 Pound)

Part #	Size
23679	18 gauge
23680	16 gauge
23680/1	14 gauge



Hose Protectors

Part #	Size	Color
HP4-B	4"	Black
HP4-O	4"	Orange
HP4-Y	4"	Yellow
HP6-B	6"	Black
HP6-O	6"	Orange
HP6-Y	6"	Yellow
HP8-B	8"	Black
HP8-O	8"	Orange
HP8-Y	8"	Yellow



Emory Cloth

Part #	Size	Grit
21450	1-1/2" X 50 yds	80
21451	1-1/2" X 50 yds	100
21452	1-1/2" X 50 yds	120
21453	1-1/2" X 50 yds	150
21454	1-1/2" X 50 yds	180
21455	1-1/2" X 50 yds	220
21455-240	1-1/2" X 50 yds	240
21455-320	1-1/2" X 50 yds	320



Sand Screen

Part #	Size	Grit
21458	1-1/2" X 25 yds	120



Emory Cloth Combo Packs

Part #	Size	Grit
SR62785	1-1/2" X 10 yds	150 - 120 - 80 Grits
SR62786	1-1/2" X 10 yds	320 - 240 - 180 Grits



Heavy Cloth Backed Emory Cloth

Part #	Size	Grit
ARC0901506	1-1/2" X 50 yds	80
ARC0901507	1-1/2" X 50 yds	100
ARC0901508	1-1/2" X 50 yds	120
ARC0901509	1-1/2" X 50 yds	150
ARC0901510	1-1/2" X 50 yds	180
ARC0901511	1-1/2" X 50 yds	220



O-Ring Assortments

Part #	Description					
75-1002 (30 Sizes, 382 Pieces) Packed in Compartment.	006-20 pieces	011-20 pieces	113-13 pieces	211-10 pieces	216-10 pieces	221-10 pieces
	007-20 pieces	012-20 pieces	114-13 pieces	212-10 pieces	217-10 pieces	222-10 pieces
	008-20 pieces	110-13 pieces	115-13 pieces	213-10 pieces	218-10 pieces	325- 7 pieces
	009-20 pieces	111-13 pieces	116-13 pieces	214-10 pieces	219-10 pieces	326- 7 pieces
	010-20 pieces	112-13 pieces	210-10 pieces	215-10 pieces	220-10 pieces	327- 7 pieces



O-Rings Sold Individually



Part #	ID	OD	W
B001	1/32	3/32	1/32
B002	3/64	9/64	3/64
B003	1/16	3/16	1/16
B004	5/64	13/64	1/16
B005	3/32	7/32	1/16
B006	1/8	1/4	1/16
B007	5/32	9/32	1/16
B008	3/16	5/16	1/16
B009	7/32	11/32	1/16
B010	1/4	3/8	1/16
B011	5/16	7/16	1/16
B012	3/8	1/2	1/16
B013	7/16	9/16	1/16
B014	1/2	5/8	1/16
B015	9/16	11/16	1/16
B016	5/8	3/4	1/16
B017	11/16	13/16	1/16
B018	3/4	7/8	1/16
B019	13/16	15/16	1/16
B020	7/8	1	1/16
B021	15/16	1-1/16	1/16
B022	1	1-1/8	1/16
B023	1-1/16	1-3/16	1/16
B024	1-1/8	1-1/4	1/16
B025	1-3/16	1-5/16	1/16
B026	1-1/4	1-3/8	1/16
B027	1-5/16	1-7/16	1/16
B028	1-3/8	1-1/2	1/16
B029	1-1/2	1-5/8	1/16
B030	1-5/8	1-3/4	1/16
B031	1-3/4	1-7/8	1/16
B032	1-7/8	2	1/16
B033	2	2-1/8	1/16
B034	2-1/8	2-1/4	1/16
B035	2-1/4	2-3/8	1/16
B036	2-3/8	2-1/2	1/16
B037	2-1/2	2-5/8	1/16
B038	2-5/8	2-3/4	1/16
B039	2-3/4	2-7/8	1/16
B040	2-7/8	3	1/16

Part #	ID	OD	W
B041	3	3-1/8	1/16
B042	3-1/4	3-3/8	1/16
B043	3-1/2	3-5/8	1/16
B044	3-3/4	3-7/8	1/16
B045	4	4-1/8	1/16
B046	4-1/4	4-3/8	1/16
B047	4-1/2	4-5/8	1/16
B048	4-3/4	4-7/8	1/16
B049	5	5-1/8	1/16
B050	5-1/4	5-3/8	1/16
B102	1/16	1/4	3/32
B103	3/32	9/32	3/32
B104	1/8	5/16	3/32
B105	5/32	11/32	3/32
B106	3/16	3/8	3/32
B107	7/32	13/32	3/32
B108	1/4	7/16	3/32
B109	5/16	1/2	3/32
B110	3/8	9/16	3/32
B111	7/16	5/8	3/32
B112	1/2	11/16	3/32
B113	9/16	3/4	3/32
B114	5/8	13/16	3/32
B115	11/16	7/8	3/32
B116	3/4	15/16	3/32
B117	13/16	1	3/32
B118	7/8	1-1/16	3/32
B119	15/16	1-1/8	3/32
B120	1	1-3/16	3/32
B121	1-1/16	1-1/4	3/32
B122	1-1/8	1-5/16	3/32
B123	1-3/16	1-3/8	3/32
B124	1-1/4	1-7/16	3/32
B125	1-5/16	1-1/2	3/32
B126	1-3/8	1-9/16	3/32
B127	1-7/16	1-5/8	3/32
B128	1-1/2	1-11/16	3/32
B129	1-9/16	1-3/4	3/32
B130	1-5/8	1-13/16	3/32
B131	1-11/16	1-7/8	3/32

Part #	ID	OD	W
B132	1-3/4	1-15/16	3/32
B133	1-13/16	2	3/32
B134	1-7/8	2-1/16	3/32
B135	1-15/16	2-1/8	3/32
B136	2	2-3/16	3/32
B137	2-1/16	2-1/4	3/32
B138	2-1/8	2-5/16	3/32
B139	2-3/16	2-3/8	3/32
B140	2-1/4	2-7/16	3/32
B141	2-5/16	2-1/2	3/32
B142	2-3/8	2-9/16	3/32
B143	2-7/16	2-5/8	3/32
B144	2-1/2	2-11/16	3/32
B145	2-9/16	2-3/4	3/32
B146	2-5/8	2-13/16	3/32
B147	2-11/16	2-7/8	3/32
B148	2-3/4	2-15/16	3/32
B149	2-13/16	3	3/32
B150	2-7/8	3-1/16	3/32
B151	3	3-3/16	3/32
B152	3-1/4	3-7/16	3/32
B153	3-1/2	3-11/16	3/32
B154	3-3/4	3-15/16	3/32
B155	4	4-3/16	3/32
B156	4-1/4	4-7/16	3/32
B157	4-1/2	4-11/16	3/32
B158	4-3/4	4-15/16	3/32
B159	5	5-3/16	3/32
B160	5-1/4	5-7/16	3/32
B161	5-1/2	5-11/16	3/32
B162	5-3/4	5-15/16	3/32
B163	6	6-3/16	3/32
B164	6-1/4	6-7/16	3/32
B165	6-1/2	6-11/16	3/32
B166	6-3/4	6-15/16	3/32
B167	7	7-3/16	3/32
B168	7-1/4	7-7/16	3/32
B169	7-1/2	7-11/16	3/32
B170	7-3/4	7-15/16	3/32
B171	8	8-3/16	3/32

Part #	ID	OD	W
B172	8-1/4	8-7/16	3/32
B173	8-1/2	8-11/16	3/32
B174	8-3/4	8-15/16	3/32
B175	9	9-3/16	3/32
B176	9-1/4	9-7/16	3/32
B177	9-1/2	9-11/16	3/32
B178	9-3/4	9-15/16	3/32
B201	3/16	7/16	1/8
B202	1/4	1/2	1/8
B203	5/16	9/16	1/8
B204	3/8	5/8	1/8
B205	7/16	11/16	1/8
B206	1/2	3/4	1/8
B207	9/16	13/16	1/8
B208	5/8	7/8	1/8
B209	11/16	15/16	1/8
B210	3/4	1	1/8
B211	13/16	1-1/16	1/8
B212	7/8	1-1/8	1/8
B213	15/16	1-3/16	1/8
B214	1	1-1/4	1/8
B215	1-1/16	1-5/16	1/8
B216	1-1/8	1-3/8	1/8
B217	1-3/16	1-7/16	1/8
B218	1-1/4	1-1/2	1/8
B219	1-5/16	1-9/16	1/8
B220	1-3/8	1-5/8	1/8
B221	1-7/16	1-11/16	1/8
B222	1-1/2	1-3/4	1/8
B223	1-5/8	1-7/8	1/8
B224	1-3/4	2	1/8
B225	1-7/8	2-1/8	1/8
B226	2	2-1/4	1/8
B227	2-1/16	2-3/8	1/8
B228	2-1/4	2-1/2	1/8
B229	2-3/8	2-5/8	1/8
B230	2-1/2	2-3/4	1/8
B231	2-5/8	2-7/8	1/8
B232	2-3/4	3	1/8
B233	2-7/8	3-1/8	1/8



O-Rings

Sold Individually



K

Part #	ID	OD	W	Part #	ID	OD	W	Part #	ID	OD	W	Part #	ID	OD	W
B233	2-7/8	3-1/8	1/8	B269	8-3/4	9	1/8	B328	1-7/8	2-1/4	3/16	B364	6-3/4	7-1/8	3/16
B234	3	3-1/4	1/8	B270	9	9-1/4	1/8	B329	2	2-3/8	3/16	B365	7	7-3/8	3/16
B235	3-1/8	3-3/8	1/8	B271	9-1/4	9-1/2	1/8	B330	2-1/8	2-1/2	3/16	B366	7-1/4	7-5/8	3/16
B236	3-1/4	3-1/2	1/8	B272	9-1/2	9-3/4	1/8	B331	2-1/4	2-5/8	3/16	B367	7-1/2	7-7/8	3/16
B237	3-3/8	3-5/8	1/8	B273	9-3/4	10	1/8	B332	2-3/8	2-3/4	3/16	B368	7-3/4	8-1/8	3/16
B238	3-1/2	3-3/4	1/8	B274	10	10-1/4	1/8	B333	2-1/2	2-7/8	3/16	B369	8	8-3/8	3/16
B239	3-5/8	3-7/8	1/8	B275	10-1/2	10-3/4	1/8	B334	2-5/8	3	3/16	B370	8-1/4	8-5/8	3/16
B240	3-3/4	4	1/8	B276	11	11-1/4	1/8	B335	2-3/4	3-1/8	3/16	B371	8-1/2	8-7/8	3/16
B241	3-7/8	4-1/8	1/8	B277	11-1/2	11-3/4	1/8	B336	2-7/8	3-1/4	3/16	B372	8-3/4	9-1/8	3/16
B242	4	4-1/4	1/8	B278	12	12-1/4	1/8	B337	3	3-3/8	3/16	B373	9	9-3/8	3/16
B243	4-1/8	4-3/8	1/8	B279	13	13-1/4	1/8	B338	3-1/8	3-1/2	3/16	B374	9-1/4	9-5/8	3/16
B244	4-1/4	4-1/2	1/8	B280	14	14-1/4	1/8	B339	3-1/4	3-5/8	3/16	B375	9-1/2	9-7/8	3/16
B245	4-3/8	4-5/8	1/8	B281	15	15-1/4	1/8	B340	3-3/8	3-3/4	3/16	B376	9-3/4	10-1/8	3/16
B246	4-1/2	4-3/4	1/8	B282	16	16-1/4	1/8	B341	3-1/2	3-7/8	3/16	B377	10	10-3/8	3/16
B247	4-5/8	4-7/8	1/8	B283	17	17-1/4	1/8	B342	3-5/8	4	3/16	B378	10-1/2	10-7/8	3/16
B248	4-3/4	5	1/8	B284	18	18-1/4	1/8	B343	3-3/4	4-1/8	3/16	B379	11	11-3/8	3/16
B249	4-7/8	5-1/8	1/8	B285	7/16	13/16	3/16	B344	3-7/8	4-1/4	3/16	B380	11-1/2	11-7/8	3/16
B250	5	5-1/4	1/8	B286	1/2	7/8	3/16	B345	4	4-3/8	3/16	B381	12	12-3/8	3/16
B251	5-1/8	5-3/8	1/8	B287	9/16	15-16	3/16	B346	4-1/8	4-1/2	3/16	B382	13	13-3/8	3/16
B252	5-1/4	5-1/2	1/8	B288	5/8	1	3/16	B347	4-1/4	4-5/8	3/16	B383	14	14-3/8	3/16
B253	5-3/8	5-5/8	1/8	B289	11-16	1-1/16	3/16	B348	4-3/8	4-3/4	3/16	B384	15	15-3/8	3/16
B254	5-1/2	5-3/4	1/8	B290	3/4	1-1/8	3/16	B349	4-1/2	4-7/8	3/16	B385	16	16-3/8	3/16
B255	5-5/8	5-7/8	1/8	B291	13/16	1-3/6	3/16	B350	4-5/8	5	3/16	B386	17	17-3/8	3/16
B256	5-3/4	6	1/8	B292	7/8	1-1/4	3/16	B351	4-3/4	5-1/8	3/16	B387	18	18-3/8	3/16
B257	5-7/8	6-1/8	1/8	B293	15/16	1-5/16	3/16	B352	4-7/8	5-1/4	3/16	B388	19	19-3/8	3/16
B258	6	6-1/4	1/8	B294	1	1-3/8	3/16	B353	5	5-3/8	3/16	B389	20	20-3/8	3/16
B259	6-1/4	6-1/2	1/8	B295	1-1/16	1-7/16	3/16	B354	5-1/8	5-1/2	3/16	B390	21	21-3/8	3/16
B260	6-1/2	6-3/4	1/8	B296	1-1/8	1-1/2	3/16	B355	5-1/4	5-5/8	3/16	B391	22	22-3/8	3/16
B261	6-3/4	7	1/8	B297	1-3/16	1-9/16	3/16	B356	5-3/8	5-3/4	3/16	B392	23	23-3/8	3/16
B262	7	7-1/4	1/8	B298	1-1/4	1-5/8	3/16	B357	5-1/2	5-7/8	3/16	B393	24	24-3/8	3/16
B263	7-1/4	7-1/2	1/8	B299	1-5/16	1-11/16	3/16	B358	5-5/8	6	3/16	B394	25	25-3/8	3/16
B264	7-1/2	7-3/4	1/8	B300	1-3/8	1-3/4	3/16	B359	5-3/4	6-1/8	3/16	B395	26	26-3/8	3/16
B265	7-3/4	8	1/8	B301	1-1/2	1-7/8	3/16	B360	5-7/8	6-1/4	3/16				
B266	8	8-1/4	1/8	B302	1-5/8	2	3/16	B361	6	6-3/8	3/16				
B267	8-1/4	8-1/2	1/8	B303	1-3/4	2-1/8	3/16	B362	6-1/4	6-5/8	3/16				
B268	8-1/2	8-3/4	1/8	B304	1-7/8	2-1/4	3/16	B363	6-1/2	6-7/8	3/16				



Flap Discs

Sold In Box Quantities of 5



Individual flaps are designed to wear away evenly and present a constantly fresh working surface. They provide a cooler and more efficient grinding effect than conventional discs. No back up pads required. Best used for grinding and polishing metals, blending of welds and other metal finishing.

Type 27 Flap Discs

Size	Grit	RPM	ALOX	Zirconia
Discs With Regular Arbor Hole				
4" X 5/8"	36	13700		FDZ67470
	40		FDA67451	FDZ67471
	60		FDA67452	FDZ67472
	80		FDA67453	FDZ67473
	120		FDA67454	FDZ67474
4-1/2" X 7/8"	36	13500		FDZ67475A
	40		DA67455	FDZ67475
	60		FDA67456	FDZ67476
	80		FDA67457	FDZ67477
	120		FDA67458	FDZ67478
7" X 7/8"	36	8600		FDZ67482
	40		FDA674	FDZ67483
	60		FDA674	FDZ67484
	80		FDA674	FDZ67485
	120		FDA674	FDZ67486
Discs With 5/8"-11 Threaded Arbor				
4-1/2" X 5/8"-11	36	13500		FDZ67475AN
	40		FDA67455N	FDZ67475N
	60		FDA67456N	FDZ67476N
	80		FDA67457N	FDZ67477N
	120		FDA67458N	FDZ67478N
7" X 5/8"-11	36	8600		FDZ67482N
	40		FDA67463N	FDZ67483N
	60		FDA67464N	FDZ67484N
	80		FDA67465N	FDZ67485N
	120		FDA67466N	FDZ67486N

Type 29 Flap Discs

Size	Grit	RPM	ALOX	Zirconia
Discs With Regular Arbor Hole				
4" X 5/8"	36	13700		FDZ77470
	40		FDA77451	FDZ77471
	60		FDA77452	FDZ77472
	80		FDA77453	FDZ77473
	120		FDA77454	FDZ77474
4-1/2" X 7/8"	36	13500		FDZ77475
	40		FDA77455	FDZ77475A
	60		FDA77456	FDZ77476
	80		FDA77457	FDZ77477
	120		FDA77458	FDZ77478
7" X 7/8"	36	8600		FDZ77483
	40		FDA77463	FDZ77483A
	60		FDA77464	FDZ77484
	80		FDA77465	FDZ77485
	120		FDA77466	FDZ77486
Discs With 5/8"-11 Threaded Arbor				
4-1/2" X 5/8"-11	36	13500		FDZ77475N
	40		FDA77455N	
	60		FDA77456N	FDZ77476N
	80		FDA77457N	FDZ77477N
	120		FDA77458N	FDZ77478N
7" X 5/8"-11	36	8600		FDZ77483N
	40		FDA77463N	
	60		FDA77464N	FDZ77484N
	80		FDA77465N	FDZ77485N
	120		FDA77466N	FDZ77486N

Aluminum Flap Discs

Size	Grit	RPM	ALOX	Zirconia
4" X 5/8"	36	13700		FDZ77470



Grinding & Cut Off Wheels

Sold Individually



Grinding Wheels For Metal

Part #	Type	Size
Without Arbor		
223457	27	4 X 3/16 X 3/8
224453	27	4 X 3/16 X 5/8
BU24463	27	4 X 1/4 X 5/8
BU24437	27	4-1/2 X 1/8 X 7/8
224457	27	4-1/2 X 3/16 X 7/8
224467	27	4-1/2 X 1/4 X 7/8
BU24563	27	5 X 1/4 X 7/8
220761	27	7 X 1/4 X 7/8
220961	27	9 X 1/4 X 7/8
With 5/8-11 Arbor		
BU24438	27	4-1/2 X 1/8 X 5/8-11
BU28467	27	4-1/2 X 1/4 X 5/8-11
210761	27	7 X 1/4 X 5/8-11
210961	27	9 X 1/4 X 5/8-11
For Aluminum		
BU23464	A36	4 X 1/4 X 5/8
BU24464	A36	4-1/2 X 1/4 X 7/8
213764	A36	7 X 1/4 X 5/8-11
213964	A36	9 X 1/4 X 5/8-11



Reinforced Cut Off Wheels For Metal

Part #	Max RPM	Size
253213	30,500	2-1/2 X 1/16 X 3/8
253233	30,500	2-1/2 X 1/8 X 3/8
253303	20,370	3 X 1/32 X 1/4
253313	25,450	3 X 1/16 X 3/8
253403	15,278	4 X 1/32 X 3/8
253413	19,000	4 X 1/16 X 3/8
BU53415		4 X 1/16 X 5/8
BU53425		4 X 3/32 X 5/8
BU24427		4-1/2 X 3/32 X 7/8
254033	6,112	10 X 1/8 X 5/8
254222	5,092	12 X 3/32 X 1
254422	4,366	14 X 3/32 X 1



EZ Strip Wheels

Part #	Size	Grit	RPM
CGW59205	4-1/2" X 5/8"-11	Red	11,000
<ul style="list-style-type: none"> •Non Woven wheels for cleaning welds and fast removal of rust, scaling, oxidation, paints, sealants, and other clogging materials. 			
<ul style="list-style-type: none"> •EZ Strip wheels can be used on stainless steel, steel, aluminum, titanium, non-ferrous metals, fiberglass, stone and wood. 			
<ul style="list-style-type: none"> •Red EZ strip wheels cut faster and last longer than the original black EZ strip wheels. 			



Aluminum Flap Discs

Part #	Size	Grit	RPM	Type
CGW43111	4-1/2" X 5/8"-11	36	13,300	T29

- Premium, blue fired AO grain with a polyester heat-treated backing.
- Calcium stearate coating liquefies under heat keeping the material cooler and prevents loading on soft metals.
- 36 grit for aggressive work.

Chemicals - Adhesives

Sold Individually

Permatex Cold Weld Bonding Compound

Part #	Size
14600P	2-1 oz. Tubes

A 15-minute, two-part adhesive and filler system that eliminates the need for welding or brazing. Once cured, it can be drilled, sanded, painted or filed. Resists most automotive, shop and cleaning fluids. Withstands temperatures to 300°F intermit-tent. Over 3,000 PSI shear strength on steel.



Permatex Fast Cure Epoxy

Part #	Size
21425	10 - 4 g mixer cups

Convenient premeasured epoxy mixer cups. No mess, no guess, no waste. Ideal for bonding glass, hard plastics, rubber and metal. Bonds in 5-15 minutes. Grey adhesive has excellent chemical resistance. Fills porosities and can be used to build up worn parts.



Permatex Rearview Mirror Adhesive

Part #	Size
81844	2-part kit

Approved and used by GM, Ford and Daimler-Chrysler. Permanently remounts mirrors to windshields. Achieves handling strength in seconds; mirror-mounting strength in 15 minutes. Available in single and multi-applications. ODC-free.



Keyston General Spray Adhesive

Part #	Size	Case
4011	12 oz Can	12

Bonds to foam rubber, urethane foam, glass, car board, cloth, wood and metal. Quick tack, water resistant, nonwrinkling soft seams.



Permatex Liquid Metal Filler

Part #	Size
25909	3.5 fl. oz. tube

Easy-to-use filler can be drilled, filed, sanded and painted. Forms a long-lasting, metal-tough bond. Works on metal, wood, and concrete. Excellent adhesion to galvanized metal. Repairs cracks or porosity leaks in cast metal parts. Fills small holes, cracks, and perforations. Resists water, oil and gasoline.



Permatex Super Glue

Part #	Size
82190	2 g tube

This formulation was specially designed for a faster, long-lasting bond. It is easily applied and works on nonporous materials.



Keyston Black Label Heavy Duty Spray Adhesive

Part #	Size	Case
4012	12 oz Can	12

This wide web spray adhesive is one of the highest performance aerosol adhesives available. Water proof, flexible, transparent and non-staining. Use this product for your toughest adhesive applications.



Permatex Perma Poxy Syringes

Part #	Desc.	Size
84104	PermaPoxy 45 Minute General Purpose Epoxy	2 oz. dual syringe
84107	PermaPoxy 30 Minute Crystal Clear Epoxy Extra Strength	2 oz. dual syringe
84109	PermaPoxy 4 Minute Multi-Metal Epoxy	2 oz. dual syringe
84112	PermaPoxy 90 Minute Multi-Metal Epoxy	2 oz. dual syringe
84115	PermaPoxy 5 Minute Plastic Weld	2 oz. dual syringe

Versatile, easy-to-use, multi-purpose epoxy adhesive for metals, fabric, fiberglass, glass, rubber, concrete and most plastics. When cured, can be drilled, sanded, threaded or filed. Resistant to fuels and solvents. Resists most liquids. Great for automotive applications. Convenient 2-part dispensing syringe.

Chemicals - Thread Lockers

Sold Individually

Permatex High Strength Thread Locker Red

Part #	Size
27100	6 ml tube
27140	36 ml bottle

OEM specified. High strength threadlocker for heavy-duty applications. Especially well-suited for permanently locking studs and press fits. Adds 3,000 PSI holding power on slip and press fit assemblies. Replaces set screws and snap rings. Locks against vibration loosening. Requires extra effort or special tools for removal.



Permatex Medium Strength Thread Locker Blue

Part #	Size
24200	6 ml tube
24240	36 ml bottle

OEM specified. All-purpose, medium strength threadlocker. Ideal for all nut and bolt applications 1/4" to 1" (6mm to 25mm). Eliminates need for stocking expensive lock nuts and lock washers. Locks and seals while preventing parts loosening due to vibration. Protects threads from corrosion. Removable with hand tools for easy disassembly. designed for fasteners under 1/4" (6mm) that require occasional adjustment. Removable with hand tools for easy disassembly.



Permatex Thread Locker Gel Red

Part #	Size
27005	5 g Carded
27010	.35 oz Tube

A high strength red threadlocker gel for heavy-duty applications. Ideal for reliably securing all permanent nut and bolt applications 3/8" to 1" (10mm to 25mm) and greater.



Thread Locker Red Gel Pump Dispenser

Part #	Size
49456	35 ml Pump

Dynatex® Red Super Strength Gel Threadlocker is a single component anaerobic threadlocking adhesive, which is a gel and develops medium strength. The product cures between close fitting metal parts where there is an absence of air.



Permatex Thread Locker Gel Blue

Part #	Size
24005	5 g Carded
24010	.35 oz Tube

An all-purpose medium strength blue threadlocker gel that reliably secures all nut and bolt applications 1/4" to 1" (6mm to 25mm).



Permatex Penetrating Grade Thread Locker Green

Part #	Size
29000	6 ml tube
29040	36 ml bottle

OEM specified. A low viscosity threadlocking liquid that wicks along the threads of preassem-bled fasteners to secure them in place. Since it is applied after assembly, preventive maintenance procedures are simplified. Ideal for fasteners ranging from #2 to 1/2" (2.2 to 12mm) in size. Localized heating and hand tools are needed for disassembly.



Permatex High Strength Sleeve Retainer

Part #	Size
64000	6 ml tube

OEM specified. High temperature anaerobic adhesive that secures slip and press fit assemblies. Adds up to 3,000 PSI holding power. Restores fit to worn or out-of-tolerance assemblies. Prevents surface corrosion.



Thread Locker Blue Gel Pump Dispenser

Part #	Size
49446	35 ml Pump

Dynatex® Blue Medium Strength Gel Threadlocker is a single component anaerobic threadlocking adhesive, which is a gel and develops medium strength. The product cures between close fitting metal parts where there is an absence of air.





Chemicals - Gasketing

Sold Individually

Permatex Form A Gasket #1 Sealant

Part #	Size
80007	1.5 oz Tube
80008	3 oz Tube

Fast-drying, hard-setting sealant designed for sealing rigid materials and flanges, or patching holes and joints where permanent assembly is desired. Temperature range -65°F to 400°F; resists common shop fluids and fuels.



Permatex Anaerobic Gasket Maker

Part #	Size
51813	50 ml Tube
51817	6 ml Tube

Noncorrosive gasketing material designed primarily for use on aluminum, iron, and steel flanged mating surfaces. Ideal for on-the-spot and emergency repairs, or when a conventional gasket is unavailable. Fills gaps up to .015" and cures to a solvent-resistant seal that will not tear or decay during service. Parts disassemble easily even after extended service and old gasket material can be removed in minutes with a simple putty knife.



Permatex Form A Gasket #2 Sealant

Part #	Size
80015	1.5 oz Tube
80016	3 oz Tube

Slow-drying, non-hardening sealant designed for sealing cut gaskets and stamped parts. Allows for easy disassembly if required. Temperature range -65°F to 400°F; resists common shop fluids and fuels. Use where sealing is more important than adhesion.



Permatex Aviation Form A Gasket #3 Sealant

Part #	Size
80017	16 oz Bottle
80019	4 oz Bottle

Slow-drying, non-hardening brush-top sealant approved for use in aviation as well as automotive applications. Temperature range -65°F to 400°F; resists gasoline, oil and grease.



Permatex Sensor-Safe Blue RTV Silicone Gasket

Part #	Size
80022	3 oz Tube
80023	12 oz Boxed
80628	11 oz Cartridge

The original Blue. Will not foul oxygen sensors. Replaces almost any cut gasket. Makes reliable "formed-in-place" gaskets that resist cracking, shrinking and migrating. Coats pre-cut gaskets to increase reliability. Temperature range -65°F to 500°F intermittent; resists auto and shop fluids. First generation 1970-1980 gasket maker.



Permatex Clear RTV Silicone Adhesive Sealant

Part #	Size
80050	3 oz Tube
80855	11 oz Cartridge

General-purpose, clear RTV indoor/ outdoor sealant. Seals, bonds, repairs, mends and secures glass, metal, plastics, fabric, vinyl, weather stripping and vinyl tops. Protects and repairs electrical wiring. May be applied to horizontal or vertical surfaces. Waterproof and flexible. Temperature range -75°F to 400°F; resists oil, water, weather, vibration, grease.



RTV Silicone Gasket Maker

Part #	Desc.	Size
D49271	Black Silicone Gasket Maker	8 oz Can
49272	Red Silicone Gasket Maker	8 oz Can
D49274	Clear Silicone Gasket Maker	8 oz Can
49276	Blue Silicone Gasket Maker	8 oz Can
D49275	White Silicone Gasket Maker	8 oz Can

Formulated to withstand higher operating temperatures. Sensor safe and manufactured to meet OEM specifications. Resist cracking and migration caused by thermal cycling.
Will not leak.



Chemicals - Gasketing

Sold Individually

Permatex Black Silicone Adhesive Sealant

Part #	Size
81158	3 oz Tube
81173P	11 oz Cartridge

General-purpose, black RTV indoor/outdoor sealant. Seals, bonds, repairs, mends and secures glass, metal, plastics, fabric, vinyl, weather stripping and vinyl tops. Protects and repairs electrical wiring. May be applied to horizontal or vertical surfaces. Waterproof and flexible. Temperature range -80°F to 450°F; resists oil, water, weather, vibration, grease.



Permatex Ultra Blue RTV Silicone Gasket

Part #	Size
81724	3.35 oz Tube
81725	13 oz Cartridge

Permatex ® Ultra silicones were developed to meet today's technology changes. Sensor-safe, low odor, noncorrosive. Outstanding oil resistance and joint movement values. Eight times more flexible than cork/composite gaskets; three times more oil resistant than conventional silicones. Temperature range -75°F to 500°F intermittent; resists auto and shop fluids and vibration.



Permatex Ultra Black Gasket Maker

Part #	Size
82180	3 oz Tube
82080	11 oz Cartridge

For dealership warranty requirements, ensures extended drivetrain warranty compliance. Fast-curing formula. Sensor-safe, low odor, noncorrosive. Meets performance specs of OE silicone gaskets. Retains high flexibility, oil resistance properties through use of a patented adhesion system. Temperature range -75°F to 600°F intermittent; resists auto and shop fluids and vibration.



Permatex Ultra Black Gasket Maker

Part #	Size
24105	13 oz. Cartridge

For dealership warranty requirements, ensures extended drive train warranty compliance. Fast-curing formula. Sensor-safe, low odor, non corrosive. Meets performance specs of OE silicone gaskets. Retains high flexibility, oil resistance properties through use of a patented adhesion system. Temperature range -75°F to 600°F intermittent; resists auto and shop fluids and vibration.



Permatex High Temp RTV Silicone Gasket

Part #	Size
81160	3 oz Tube
81409	11 oz Cartridge

Formulated for hi-temp applications, or heavy-duty use (such as towing, etc.). Replaces almost any cut gasket by making reliable "formed-in-place" gaskets that resist cracking, shrinking and migrating caused by thermal cycling. Coats pre-cut gaskets to increase reliability. Temperature range -75°F to 650°F intermittent; resists auto and shop fluids. First generation 1970-1980 gasket maker.



Permatex ® Sensor-Safe High-Temp RTV Silicone Gasket

Part #	Size
81422	3 oz Tube
81686	11 oz Cartridge

Formulated for oxygen sensor equipped engines. First generation 1970-1980 gasket maker. Temperature range -75°F to 650°F intermittent; resists auto and shop fluids.



Permatex Ultra Copper RTV Silicone Gasket

Part #	Size
81878	3 oz Tube

For 4-cylinder, turbocharged or high-performance engines. The most advanced, high temperature RTV silicone gasket available. Sensor-safe, low odor, noncorrosive. Superior adhesion. Three times more oil resistant than conventional silicones; eight times more flexible than cut gaskets. Temperature range -75°F to 700°F intermittent; resists auto and shop fluids and vibration.



Permatex Copper Spray A Gasket High Temp Adhesive Sealant

Part #	Size
80696	4 oz Can
P9128	8 oz. brush-top bottle
80697	12 oz Aerosol

Fast-drying, metallic copper sealant helps dissipate heat, prevents gasket burnout and improves heat transfer. Fills minor surface irregularities. Seals instantly. Fills hot spots and surface imperfections. Temperature range -50°F to 500°F; resists all types of automotive fluids, especially gasoline.



Permatex The Right Stuff Gasket Maker

Part #	Size
25224	7 oz. auto. tube
29208	5 oz. Cartridge

Automotive and marine gaskets, valve covers, gear box covers, pumps, compressors, oil pans, thermostat housings, water pumps. Temperature Range: -75°F to 450°F; 500°F intermittent



Chemicals - Sealants

Sold Individually

Permatex High Performance Thread Sealant

Part #	Size
56521	50 ml tube

OEM specified. Formulated specifically for metal, tapered pipe thread fittings. High Performance Thread Sealant replaces Teflon® tape and pipe dopes. Cures rapidly to withstand 10,000 PSI. Perfect as a replacement for Vibra-Seal® pre-coated parts. Prevents galling and protects mated threaded areas from rust and corrosion. It is certified to ANSI/NSF Standard 61 for use in potable water systems.



Permatex High Tack Gasket Sealant

Part #	Size
80062	4 oz brush-top bottle
80065	12 oz Can
80063	16 oz brush-top bottle

Fast-drying all-purpose sealant dries to a highly tacky, non-brITTLE film. A reliable general adhesive remains effective under temperatures of -65°F to 500°F. Resists gasoline, oil, antifreeze, axle lube.



Permatex Anti-Seize Lubricant

Part #	Size
81343	1oz Tube
80078	8 oz. brush-top bottle
81464	12 oz Aerosol Can

A highly refined blend of aluminum, copper and graphite lubricants. Use during assembly to prevent galling, corrosion and seizing and to assure easier disassembly. Temperature range: -60°F to 1600°F. Salt, corrosion and moisture resistant – ideal for marine use.



Anti-Seize And Lubricating Compound

Part #	Size
D49501	1 oz Tube
D49558	8 oz Bottle

Prevents seizing, fretting, pitting, galling and corrosion on all types of metal parts at temperatures between -2000°F and 20000°F (-1280°C to 1093°C). Protects against corrosion between dissimilar metals. Resists water, salt solution, most shop and automotive fluids. Prevents carbon fusion and seizure to 2000°F. Reduces coefficient of friction by a minimum of 20%. Meets MIL-907 specifications.



Dielectric Grease

Part #	Size
D49635	5 oz Tube

Prevents boot tears, corrosion, arcing and the fusing of spark wires to spark plugs. Maintains its consistency in extreme temperatures from -40°F to 400°F. Resists moisture, acids and alkalines. Moisture proof seal for automotive, marine and other ignition and electrical systems. For distributor caps, battery cables, posts and terminals, light bulb sockets, trailer hitch and all other types of electrical connectors. Complies with FDA Regulation 21 CFR178.3570.



Permatex Thread Sealant With Teflon

Part #	Size
80631	1oz Tube
80632	4 oz. Can
80633	16 oz Can

Economical general-purpose fitting sealant. Out-performs tapes and pipe dopes. Seals and resists pressure in air, oil, diesel fuel and hydraulic systems. Remains pliable at higher and lower temperatures. Temperature range -65°F to 300°F; resists common shop fluids.



Chemicals - Sealants

Sold Individually

Silicone Sealant

Part #	Size
999-A	Aluminum - 11 oz
999-B	Black - 11 oz
999-C	Clear - 11 oz
999-W	White - 11 oz

General purpose high quality 100% RTV Silicone Sealant. Cures at room temperature to a tough and flexible rubber. For caulking, sealing, waterproofing and bonding. Seals and bonds terminals, connectors, mounting fixtures, mechanical gaskets, glass, metal, masonry, plastic, tile, rubber, wood and fabric.



Alumaseal

Part #	Size
ASD24	20 gram Tube

Stops leaks safely, quickly, and easily. Compatible with ALL anti-freeze and coolants. Safe for all metal, plastic, and rubber cooling system parts.



Permatex Dielectric Tune Up Grease

Part #	Size
81150	.33 oz Tube

Protects electrical connections and wiring from salt, dirt and corrosion. Extends the life of bulb sockets. Prevents voltage leakage around any electrical connection. Also prevents spark plugs from fusing to boots. Required for modern high energy ignition systems.



Thread Sealant With Brush Top

Part #	Size
49486	50 ml Tube
49494	4 oz Bottle
D49495	16 oz Bottle

All-purpose thread sealant. Seals threaded connections for air, oil, diesel fuel and hydraulic oil. Remains pliable. Temperature ranges -65°F to 300°F. Performs better than tapes. Withstands pressures up to 1000 psi.



Chemicals - Cleaners

Sold Individually

Permatex Gasket Remover

Part #	Size
80645	4 oz Power Can

This low VOC formulation combines powerful gasket remover strength with an innovative delivery system. Its fast-foaming action penetrates the most stubborn or baked-on gaskets in 15-20 minutes. The built-in brush-tip was designed for easy application and allows for scrubbing on intricate surfaces. This product is NOT recommended for use on silicone gaskets. Level 2.



CRC Lectra-Motive Cleaner

Part #	Size
05018	20 oz Aerosol Can

A unique alternative to 1,1,1 trichloroethane for degreasing apps. This chlorinated based material quickly removes grease, oil & dirt from motor parts and other such equipment.



CRC Carb Cleaner

Part #	Size
05081	20 oz Aerosol Can

Carb & Choke is designed to maximize carburetor performance. Quickly dissolves carburetor deposits such as gum, sludge & varnish to improve fuel system performance & enhance fuel economy.



3M Glass Cleaner

Part #	Size
M08888	19 oz Aerosol Can

An aerosol cleaner for all glass surfaces including windows, windshields, mirrors, and side glass. May also be used to clean automotive vinyl, interior plastic and clear plastic. 3M™ Glass Cleaner is non-flammable, and will not affect painted surfaces.



CRC Brake & Parts Cleaner

Part #	Size
05089	20 oz Aerosol Can

The original brake parts cleaner. Formulated to quickly & effectively remove grease, brake dust, brake fluids, oils, & other contaminants from brake parts, lining, pads.



CRC Citrus Engine Degreaser

Part #	Size
05027	16 oz Aerosol Can

Engine Degreaser quickly lifts grease & grime off engines for cooler more efficient running. Easy to use - just spray on & rinse off. Leaves no residue.





Chemicals - Cleaners

Sold Individually

3M Non Chlorinated Brake & Parts Cleaner

Part #	Size
M0880	20 oz Aerosol Can
Low VOC, general purpose degreaser designed to remove oil, grease, brake fluid and other contaminants from all types of brake assemblies. Leaves no residue and helps eliminate disc brake squeal and chatter.	



Citrus All-Purpose Cleaner

Part #	Size
16-CBD	20 oz Aerosol Can
Removes grease and oil spots, strips and removes wax, cleans and freshens.	



Clean & Fresh

Part #	Size
AP2430	20 oz Aerosol Can
This multi-purpose cleaner is effective in removing all types of soil from hard surfaces. It contains a powerful chelating agent to remove soap scum and hard water scale from tubs, tiles and shower doors. Also contains degreasers to clean even stubborn, greasy dirt. Special 360 degree spray-anyway valve allows the can to be sprayed in any position, making application easy. Ideal for use on toilet bowls. Leaves room smelling "clean & fresh." Contains no phosphates	



CRC Engine Degreaser

Part #	Size
05025	20 oz Aerosol Can
Engine Degreaser quickly lifts grease & grime off engines for cooler more efficient running. Easy to use - just spray on & rinse off. Leaves no residue.	



Glass Cleaner

Part #	Size
S680	20 oz Aerosol Can
Cuts through dirt, dust, fingerprints and haze deposits. Provides streak-free glass cleaning even on delicate glass surfaces. Biodegradable, ready to use.	



CRC Battery Cleaner

Part #	Size
05023	12 oz Aerosol Can
Battery Cleaner quickly removes corrosion while neutralizing acid spills on batteries. Easy & economical to use. Just spray on & rinse off.	



Aqueous Based Degreaser

Part #	Size
16-ABD	16 oz Spray Bottle
Clean industrial grease and grime. This concentrated formula can be diluted to meet specific cleaning requirements.	



Glass & Mirror Cleaner

Part #	Size
121-20	20 oz Aerosol Can
A proven winner for nearly 25 years, this ammoniated product is the ideal choice for cleaning virtually any surface. The high foam surfactant system clings where you want it to for easy, economical maintenance of glass, mirrors, and more. Nonbutyl, it has a pleasant mint scent as well.	



CRC Non Chlorinated Brake & Parts Cleaner

Part #	Size
05088	20 oz Aerosol Can
The Brake Cleaner to use where compliance calls for a chlorine-free product. Formulated to quickly remove brake fluid, grease, oil, and other contaminants from brake linings & pads.	



QD Electronic Cleaner

Part #	Size
05103	16 oz Aerosol Can
A petroleum distillate / alcohol based precision cleaner designed as an alternative to CFC based cleaners. Ideal for apps where lower flashpoint materials can be tolerated. Cost effective, plastic safe & residue free.	



Citrus Foam

Part #	Size
AP2040	20 oz Aerosol Can
The ideal ready to use cleaner for any water-washable surface. A formulation of heavy duty detergents and cleaning agents allows this product to quickly penetrate grease and grime on most surfaces. Use on ceramic tile, painted surfaces, woodwork, metal, formica, fiberglass, vinyl, chrome and stainless steel. Citrus Foam clings to the surface for more concentrated cleaning power and wipes away easily for fast spot cleaning and small area maintenance.	



Scrubs In A Bucket

Part #	Size
C-422	1 Tub - 72 ct
SCRUBS in-a-Bucket® are the premoistened, heavy duty hand cleaner towels that go where you go! SCRUBS in-a-Bucket® easily removes soil from your hands and leaves them clean and conditioned anywhere you are working.	



Armor All

Part #	Size
AA11010	
AA10710	1 Gallon
Helps prevent cracking, fading, discoloration and premature aging. Brings out a beautiful, deep shine with a nongreasy finish. Safely cleans away dirt, dust and debris. Renews and revitalizes vinyl, rubber and plastic.	





Chemicals - Lubricants

Sold Individually

Royal Cool Cutting Tool Lubricant

Part #	Size
17050	16 oz Aerosol Can

Royal Cool is a specially formulated product that cools, lubricates, and reduces friction to produce cleaner cuts and smoother finishes.

Features and Benefits:

- Increases life of cutting tools
- Reduces friction and wear
 - No oily residue
 - Prevents galling
- Spray application allows coolant to be placed directly where needed



WD-40

Part #	Size
40011	8 oz Aerosol Can
40015	11 oz Aerosol Can
461123	1 Gallon

Known as "the can with a thousand uses," WD-40 protects metal from rust and corrosion, penetrates stuck parts, displaces moisture, and lubricates just about anything. WD-40 is also great when it comes to cleaning grease, grime, and other marks from most surfaces.



Power Lube

Part #	Size
05005	12 oz Aerosol Can

The next generation of multi-purpose lubricants. This all in one product quickly penetrates, lubricates, stops squeals, fights corrosion & loosens rusted parts. New & Improved formula is odor free.



Heavy Duty Silicone

Part #	Size
05074	10 oz Aerosol Can

A multi-purpose silicone spray. Forms a colorless, odorless, non-staining film that lubricates & protects in most metal to non-metal applications. Dry film eliminates binding and sticking while protecting most surfaces



White Lithium Grease

Part #	Size
05037	16 oz Aerosol Can

A high purity, NLGI Grade 2 white lithium grease. Provides superior lubrication & durability in any weather and most temperatures. It is a versatile grease designed for applications requiring a long grease life. Will not break down or run out.



Kwik Kool Cutting Tool Lubricant

Part #	Size
584	16 oz Aerosol Can

KWIK KOOL is specially formulated to cool and lubricate during metal working operations. Reduces friction in threading, drilling, tapping and reaming applications. This nonflammable product contains no carbon tetrachloride or sulfur.



Decal & Sticker Remover

Part #	Size
16-DSR	20 oz Aerosol Can

Quickly and safely removes stickers and other adhesives without scratching and scraping.



Extends Tool Life

Part #	Size
16-ETL	20 oz Aerosol Can

Transfers peak friction heat from tool to chip. Can be added to drawing compounds and straight oils.



Garage Door Lube

Part #	Size
16-GDL	20 oz Aerosol Can

Grease replacement for garage doors, overhead doors, hinges, cables springs, door tracks and chains, bearings and bushings. Leaves a dry, tack-free film that will not accumulate dust and dirt.



PB Penetrating Catalyst

Part #	Size
16-PB	20 oz Aerosol Can

Quickly breaks loose the surface tension of frozen parts and protects against further rust and corrosion.





Chemicals - Lubricants

Sold Individually

Disc Brake Quiet

Part #	Size
05017	12 oz Aerosol Can

Disc Brake Quiet forms a water resistant, high-temperature film that absorbs noise while quieting squeaks & squeals. Specially formulated to dampen the vibrations that cause brake noise. For use on the back of non-shimmed disc pads.



Hydraulic & Jack Oil

Part #	Size
SL2553	1 gallon

A medium weight hydraulic oil blended of a high quality paraffinic base oil with anti-rust, anti-oxidation, anti-foam, anti-wear, and seal swell additives.



DOT 3 Brake Fluid

Part #	Size
BRP	12 oz
S264	1 quart
S266	1 gallon

MAG 1 Premium DOT 3 Brake Fluid provides extra margin of safety to meet or exceed Federal Motor Vehicle Safety Standard (FMVSS) No. 116 (DOT 3) and Society of Automotive Engineers (SAE) J1703 specifications.



Honing & Cutting Oil

Part #	Size
SL2523	1 gallon

An all-purpose metal working/ cutting lubricant that extends tool life and improves machined surface finish.



Lithium Grease

Part #	Size
SL3151	14 oz

A high purity, NLGI Grade 2 multi-purpose white lithium grease. Provides superior lubrication & durability in any weather and most temperatures. Bright white in color. Ideal for when appearance is important.



Dry Graphite Lube

Part #	Size
620-1506	14 oz

Tool Crib® Dry Graphite Lube is a fast drying lubricant that forms a thin, black film providing excellent anti-friction and anti-seizure properties to surfaces.



Air Tool Oil

Part #	Size
SL2531	15 oz

A special lubricant designed for pneumatic equipment and tools.



Super Strength Penetrating Oil

Part #	Size
620-1543	15 oz

Tool Crib® Super Strength Penetrating Oil is a light weight penetrant that releases rusted, corroded or frozen assemblies.



Power Steering Fluid

Part #	Size
SL2631	15 oz

A high viscosity, highly compounded oil designed to meet the specifications of Ford, GM, and most import manufacturers. Will provide uniform performance over a wide range of temperature.



Compressor Oil

Part #	Size
SL22133	1 gallon

Helps promote longer life in all types of reciprocating & rotary compressors. Solvent refined & clay filtered for long lasting, anti-foul operation. Cleans valve seat deposits & extends life.



DOT 5 Brake Fluid

Part #	Size
NA41	12 oz

Super premium performance formula provides an extra margin of safety to meet or exceed Federal Motor Vehicle Safety Standard (FMVSS) No. 116 (DOT 4) and Society of Automotive Engineers (SAE) J1703 specifications. Provides the ultimate in high-temperature protection, moisture resistance & lubricity, as required by many European, Japanese & other high performance cars.



Thread Cutting Lubricant

Part #	Size
14050	16 oz

Cutting Oil is a superior thread cutting lubricant for use on all types of metals, including brass, copper and aluminum.





Chemicals - Lubricants

Sold Individually

Permatex Silicone Spray Lubricant

Part #	Size
80070	16 oz Aerosol Can

Lubricates and waterproofs all types of mechanical equipment. Stops friction and squeaks. Coats hinges and channels. Prevents locks, doors and windows from binding. High silicone formula does not attract dust or dirt. Protects and renews rubber mountings, bushings and weatherstripping.



Wheel Bearing Grease

Part #	Size
Gcart	14 Ounce Cartridge

A premium lithium complex NLGI grade 2 grease with a drop point of over 500°F. This grease is designed for late model vehicles wheel bearings, chassis, suspension and u-joints. Wide temperature range -40°F to 300°F.



Mega Foamcut Cutting Fluid

Part #	Size
TF8008	8 oz
TF8017	17 oz

Cools while it lubricates. Use on exotic alloys, tool steels, aluminum, brass. Use for threading, reaming, tapping, drilling, and milling.



Marvel Mystery Oil

Part #	Size
MM012	16 oz
MM013	32 oz
MM014	1 gallon

Marvel Mystery Oil® lubricates the entire fuel system-fuel pumps, fuel injectors or carburetors and the top portion of the cylinders. These are areas, that by design, motor oil does not reach. Using Marvel Mystery Oil in your fuel extends the life of these vital components by providing them with lubrication that fuel alone does not provide.



Permatex® Slik-Pak® 5th Wheel Grease

Part #	Size
SP100	60 Pak Display Carton

Effectively and conveniently lubricates 5th wheel top plates of trailer. Pre-measured grease comes in handy pouch, requires no tools, creates no mess. Packaging disintegrates leaving no waste. Graphite lubricant designed for heavy duty applications and effective at extreme temperatures and environmental conditions.

Suggested Applications: All Fifth Wheel applications, sliding and oscillating to all vehicle types

Permatex ® Ultra Slick ® Synthetic Multi-Purpose Lubricant

Part #	Size
81943	12 oz Aerosol Can

Ultra Slick lubricant is a GC/LB grease designed for wheel bearing and general chassis lubrication. Product can be applied directly as a grease or sprayed on using an aerosol formulation. This high quality product can be used on any moving parts to provide better, longer lasting lubrication that withstands higher temperatures and is safe on more surfaces. It can be used in applications up to 350°F.



Lubriplate 105

Part #	Size
3598	Cartridge
3599	Tube

This is an excellent, heavy-duty, multi-purpose grease for both industrial and automotive applications. It provides a high film strength, great shear stability, anti-wear and extreme pressure additives.



Lenox Lube Tube

Part #	Size
LEN68020	14.5 Oz Tube

Manually applied lubricant stick extreme pressure lubricant. Prevents the build-up of frictional heat on metal surfaces

Designed to be applied to band saw blades and other cutting tools. Improves overall tool life and productivity when sawing, drilling, milling, grinding, threading or tapping.



Mystery Air Tool Oil

Part #	Size
MM080	4 oz
MM085	32 oz

Marvel® Air Tool Oil prevents rust formation in air tools while providing positive lubrication for smoother starting, longer lasting tools. Marvel Air Tool Oil assures the maximum performance of your tools by dissolving gum and sludge that reduce tools speed and power.



Chemicals - Hand Cleaners

Sold Individually

Permatex Fast Orange Hand Cleaner

Part #	Size
23-218	1 gallon w/ Pump

The #1 selling, biodegradable, waterless, petroleum solvent-free hand cleaner that contains no harsh chemicals, mineral oils or ammonia that can sting cuts and abrasions. Pure, fresh-smelling natural citrus power does the cleaning. Fortified with aloe, lanolin, glycerin, and other skin conditioners. Smooth formula gently deep cleans the toughest dirt.



Permatex Fast Orange Hand Cleaner With Pumice

Part #	Size
25-108	7.5 oz Bottle
25-218	1 gallon w/ Pump

The #1 selling, biodegradable, waterless, petroleum solvent-free hand cleaner that contains no harsh chemicals, mineral oils or ammonia that can sting cuts and abrasions. Pure, fresh-smelling natural citrus power does the cleaning. Fortified with aloe, lanolin, glycerin, and other skin conditioners. Fine Pumice formula gently deep cleans the toughest dirt.



Joe's All Purpose Hand Cleaner

Part #	Size
JOE101-P	4 ½ lb Plastic Container
JOE105	15 oz Squeeze Tube

Joe's creamy formula liquifies and gently lifts grease, grime and stains from the hands safely without water. Joe's leaves the hands cleaned, conditioned and without the greasy feeling and strong odors of competitive brands. The lanolin and skin care emollients help heal rough, dry and overused hands. Joe's is your hands best friend.



Permatex® Fast Orange® Pumice Cream Formula Hand Cleaner

Part #	Size
35013	14 oz Plastic Tub

A cream version of our #1 selling Fast Orange® Pumice Lotion Hand Cleaner. Pure, fresh-smelling, natural citrus power cleans deep down to remove even the most stubborn grease and grime. Readily biodegradable, non-toxic and petroleum solvent-free, Fast Orange® Cream was formulated for those who prefer a thicker consistency hand cleaner. Fortified with premium skin conditioners, Fast Orange® is the choice for working hands. Also works great on laundry stains, pet odors and many other household cleaning needs.



Joe's Hand Scrub

Part #	Size
JOE401-P	4 ½ lb Plastic Container
JOE405	15 oz Squeeze Tube

When Kleen Products decided to create Hand Scrub, the first consideration was to maintain the highest level of quality expected from Joe's Products. A polyethylene scrubber provided the required criteria. Consistent particle size blends evenly and thoroughly. Secondly, the polyethylene is round and smooth, unlike the jagged edges of pumice and sand. Subsequently, the scrubbing process is a safer, more gentle method. Treat your hands to a wake-up call with Joe's Hand Scrub.



Joe's Citrus Blue

Part #	Size
JOE505	15 oz Squeeze Tube
JOE501-P	4 ½ lb Plastic Container

Formulated with nature's natural d-Limonene solvent for safe cleaning, balanced skin conditioning and the fresh scent of citrus. A distinctive blue color to bring a new level of cleaning the smell of work off your hands.



Chemicals - Miscellaneous

Sold Individually

Battery Terminal Protector

Part #	Size
05046	7.5 oz

Specially designed to protect battery terminals from corrosion, a leading cause of hard starting and battery failure. Provides a lead-free soft protective coating.



Permatex Surface Prep Activator

Part #	Size
24163	6 oz

Speeds cure of Permatex ® Threadlockers by 50%. Increases threadlocker strength. Recommended for use during cold weather. General-purpose solvent for cleaning and preparing parts and surfaces.



Chemicals - Miscellaneous

Sold Individually

Permatex Heavy Duty Rubberized Undercoating

Part #	Size
81833	20 oz

Now with an improved formula! Rubberized for maximum durability; seals, protects and insulates. Excellent professional blend all-purpose coating. Ideal for home or shop use.



Starting Fluid

Part #	Size
S-540	

Helps engines get a fast start in any kind of weather Will not clog air filters.



Diesel 911

Part #	Size
WD10068	32 oz
WD10069	96 oz

- Ultra Low Sulfur Diesel (ULSD) Compliant — contains less than 15 parts per million (ppm) sulfur
- Effective in all diesel fuels, including ULSD and biodiesel
- De-ices frozen fuel-filters — no requirement to change fuel-filters
 - Prevents fuel-filter icing
 - Reliquifies gelled fuel in minutes — no tow truck needed
- Removes water from fuel system — extends life of fuel-filters, fuel-injection pumps and fuel injectors
- Contains Slickdiesel® for maximum fuel lubrication — protects fuel injectors and pumps against accelerated wear from Low and Ultra Low Sulfur Diesel (ULSD) fuels
- Contains the type of non-harmful alcohols recommended by diesel engine manufacturers for removal of water in diesel fuel systems
- When used as directed, does not lower the flash point of No. 2 diesel fuel below the ASTM minimum standard



Moisture Free Dust & Lint Remover

Part #	Size
05185	10 oz

Provides a powerful blast of product to remove embedded debris without damaging sensitive components or surface finishes. Reaches areas where normal hand dusting cannot.



Heet

Part #	Size
WD10022	12 oz

Ultimate water remover. Absorbs 5 times more water than regular gas dryers. Designed for year round use in all 2-cycle and 4-cycle gas and diesel engines. Removes water from fuel system. Prevents rust and corrosion.



Permatex Stripped Thread Repair

Part #	Size
81668	.44 oz Kit

Makes reliable thread repairs without drills, taps, tools or inserts. Restores worn, stripped or damaged threads and eliminates future corrosion, galling, seizing and rust. Effective up to 128 ft. lbs. of torque and between -65°F to 300°F. Repairs most metal-to-metal fasteners up to SAE grade 5 English and 8.8 metric (coarse and fine).



Liquid Tape / Plasti Dip

Sold Individually

Plasti-Dip

Part #	Color
PD11204	Aerosol Blue
PD11604	Liquid Dip Blue

A flexible, synthetic rubber coating which exhibits excellent moisture, acid, alkaline, and abrasion resistance. Ideal for weatherproofing paper maps (clear), slip proofing running boards and foot rests, adding grip/color coding tool handles, weatherproofing/ sealing clay pots, arts/crafts, protecting lawn care equipment, sealing frayed rope and cable ends, and adding grip to brake and clutch levers.



Liquid Electrical Tape

Part #	Color
14Z01	Red
14Z03	Black

A dielectrical coating which seals out moisture when used on electrical connections: under hood auto repairs, accessory light connections, water/weatherproof wire nut connections, repair damaged extension cord casings, landscape, pool/ spa electrical connections, boat trailer connections, and bilge/ aerator pumps.





3M Foam Tape

Sold Individually

3M Scotch Mount Automotive Acrylic Foam Tape

Part #	Color	Size	Thick.
M06380	White	1/2" X 20 yds.	.045"
M06383	Gray	7/8" X 20 yds.	.045"



3M Scotch Mount Automotive Acrylic Foam Tape

Part #	Color	Size	Thick.
M06377	Grey	1/2" X 20 yds.	.030"
M06378	Grey	7/8" X 20 yds.	.030"



Glues

Sold Individually

"UFO" Thin

Part #	Size
UFO-4	2 oz

"UFO" Odorless 'THIN' will not attack foam, making foam bonding possible ('UFO" Odorless 'THICK' is the better choice for bonding foam, however). Fiberglass skins, right on the foam, are practical and easy with "UFO" Odorless 'THIN'.



Special "T"

Part #	Size
HST-4T	2 oz

Special "T"™ and new UFO™ Odorless THICK are very thick cyanoacrylates with a consistency resembling cold honey. SPECIAL "T"™ and UFO™ Odorless THICK have greater gap-filling ability than SUPER "T"™ and more positioning time after contact of parts. The rate of cure is slow enough, (usually 50-60 seconds depending on the material), to allow precise alignment of parts, after assembly.



Super Solvent

Part #	Size
US-1	2 oz

Ultra Solvent™ is a remarkable debonder and cleaner for any instant glue. Use it for hand clean-up when ever you are manipulating small parts with your fingertips (instant glues make a thin, hard shell when cured on fingertips, reducing one's ability to work skillfully with tiny pieces) or just to get it off at the end of the day. Use Ultra Solvent™ to remove instant glue from most clothing and surfaces. Some fabric, colorings or materials may be affected, so test-patch on an inconspicuous place. Ultra Solvent™ is not a thinner for instant glue.



Hot Stuff

Part #	Size
HS-4	2 oz

Hot Stuff™ and UFO™ Odorless THIN have a consistency resembling that of water and are used mainly for bonding parts which fit very well. UFO™ is odorless. Those who are sensitive to cyanoacrylate curing fumes will enjoy using new UFO™ in place of regular HOT STUFF™.



Super "T"

Part #	Size
HST-4	2 oz

Super "T"™ has a consistency similar to that of syrup and has the ability to fill small gaps between parts which don't fit perfectly. SUPER "T"™ cures at a slower rate than HOT STUFF™, (10-25 seconds depending on the material).



Accelerator

Part #	Size
K-3	2 oz
K-24	18 oz Refill for K-3

NCF is an extremely fast acting accelerator for all instant glues. "NCF" has an extraordinary on-part life. Apply to one part only. Part may be sprayed up to 8 minutes in advance of bonding. Apply SUPERT™ in a spiral pattern to other part, assemble parts, then hold firmly for 10 seconds.





3M Adhesives & Removers

Sold Individually



3M Weatherstrip Adhesive - Black

Part #	Size
M08011	5 oz Tube



3M Strip Caulk - Black

Part #	Size
M08578	Box of 60 - 1' Lengths



3M Super Silicone Sealant - Black

Part #	Size
M08662	3 oz Tube



3M General Purpose Adhesive Cleaner

Part #	Size
M08984	15 oz
M08984	Quart Can



3M Super Trim Adhesive

Part #	Size
08090	24 oz



3M Weatherstrip Adhesive

Part #	Size	Color
M08001	5 oz Tube	Yellow
M08008	5 oz Tube	Black



Roloc Discs

Part #	Size	Grit	Color
05528	2"	Coarse	Brown
05527	2"	Medium	Maroon
05532	3"	Coarse	Brown
05531	3"	Medium	Maroon
12954	4"	Coarse	Brown
12953	4"	Medium	Maroon



Roloc Bristle Discs

Part #	Size	Color	Grit
18730	2"	Green	50
18732	2"	Yellow	80
18734	3"	Green	50
18736	3"	Yellow	80



Roloc Discs

Part #	Size	Grit
M11000	2"	24
M22398	2"	36
M22399	2"	50
22401	2"	80
M22403	2"	120
M22392	3"	24
M22393	3"	36
M22404	3"	80
M22406	3"	120



Roloc Disc Pad Assembly

Part #	Description
M05539	2" Holder
M05540	3" Holder
M05541	4" Holder



Roloc Coating Removal Disc

Part #	Diameter	RPM
M18364	2"	18,000
M18350	3"	15,000

Coating Removal Disc features our popular Clean and Strip web with a Roloc button attached. This rugged open web is virtually non-loading to make surface preparation faster and easier. Aggressively tackles your toughest cleaning applications.



Shark Abrasives & Cut Off Wheels

Sold Individually

Shark Abrasives & COW

Part #	Desc
SHARK-25	3" X 1/16" X 3/8" Cut Off Wheels Made In The USA
SHARK-26	3" X 1/32" X 3/8" Cut Off Wheels Made In The USA
SHARK-620T	2" Coarse Roloc Surface Conditioning Discs Made In The USA
SHARK-622T	2" Medium Roloc Surface Conditioning Discs Made In The USA
SHARK-323T	2" Roloc Holder for Above
SHARK-630T	3" Coarse Roloc Surface Conditioning Discs Made In The USA
SHARK-632T	3" Medium Roloc Surface Conditioning Discs Made In The USA
SHARK-333T	3" Roloc Holder for Above



Twist Lock Aluminum Oxide Grinding Discs

Part #	Size	Pack / Qty
12844	3" - 24 Grit	10
12844	3" - 36 Grit	10
12845	3" - 50 Grit	10
12846	3" - 80 Grit	10
12840	2" - 24 Grit	10
12841	2" - 36 Grit	10
12842	2" - 50 Grit	10
12843	2" - 80 Grit	10

Aggressive, long-life discs are made from aluminum oxide and will aggressively grind weld. Flexible, long lasting discs resist chipping, snags and cracks.



Mini Flap Zirconia Discs

Part #	Size	Pack / Qty
73762	2" - 40 Grit	5
73763	2" - 60 Grit	5
73764	2" - 80 Grit	5
73765	2" - 120 Grit	5

Designed to fit on your Mini Grinders and Rol-lock holders, our new Mini Flap Discs get into tight areas; working aggressively on grinding welds. They are slightly flexible and will withstand chipping, snagging and cracking.

Available in 2" or 3" - Zirconia - these discs are designed to be used right on your Rol-lock backing pad. Made of heavy duty cloth backed zirconia grain, they will do your aggressive grinding jobs, continually offering a new layer to give you much longer life than the traditional Mini Grinding Discs.

The heavy duty molded rubber back has a Type "R" style button offering quick, easy changing ability and is compatible with 3M® holders.

3M Scotchbrite System

Sold Individually



Scotch Brite Disc Pad

Part #	Size
07492	For 4" Disc
07493	For 3" Disc
07494	For 2" Disc



Surface Conditioning Discs

Part #	Grit	Size
07450	Coarse	4" X NH
07451	Medium	4" X NH
07455	Coarse	3" X NH
07456	Medium	3" X NH
07453	Coarse	2" X NH
07457	Medium	2" X NH



3M Radial Bristle Discs

Sold Individually



Bristle Discs

Part #	Description	Size
M07542	Radial 50 - Green	3"
M07543	Radial 80 - Yellow	3"
M15012	3M 990 Mandrel For Above Bristle Discs	



Roloc Bristle Discs

Part #	Description	Size
24276	Radial 50 - Green	3"
24277	Radial 80 - Yellow	3"

3M Velcro

Sold Individually



Velcro

Part #	Description
M06480	Hook & Loop Strips 1" X 12"
M06481	Hook & Loop Roll 1" X 4.9 yds



Spray Paint

Sold Individually



Royal Supply High Solids Spray Paint

Part #	Desc	Color
ROY-1443	High Solids 20 oz Can	Equipment Yellow
ROY-1415	High Solids 20 oz Can	Gloss Black
ROY-1413	High Solids 20 oz Can	Gloss White
ROY-1431	High Solids 20 oz Can	Grey Primer

MRO High Solid Spray Paint

A superior lead-free industrial coating formulated for general purpose applications where maximum performance is required.



Part #	Color	Size	Case Qty
620-1407	Red Oxide Primer	20 oz Can	6
620-1413	Gloss White	20 oz Can	6
620-1415	Gloss Black	20 oz Can	6
620-1416	Gray	20 oz Can	6
620-1417	Machinery Gray Dark	20 oz Can	6
620-1418	Machinery Gray Light	20 oz Can	6
620-1423	Safety Red	20 oz Can	6
620-1427	Safety Blue	20 oz Can	6
620-1431	Gray Primer	20 oz Can	6
620-1433	Flat Black	20 oz Can	6
620-1443	New Equipment Yellow	20 oz Can	6
620-1447	Cummins Beige	20 oz Can	6



Spray Paint

Sold Individually



Part #	Color
1317	Primer-Ruddy Brown
1318	Primer All Purpose Gray
1401	Bright Silver
1403	Dull Aluminum
1501	Glossy White
1502	Flat White
1601	Glossy Black
1602	Ultra-Flat Black
K1605	Dove Gray
K1608	Smoke Grey
K1611	Universal Grey
1612	Universal Black
1613	Semi-Flat Black

Part #	Color
1614	High Heat Black
1909	Ford Blue Engine Paint
K1923	Ford Dark Blue Engine Paint
1930	G.M. Blue Engine Paint
K2001	Hunter Green
2101	Cherry Red
K2108	Banner Red
K2116	Safety Red
2405	Chevrolet Orange Engine paint
K2410	Safety Orange
2501	Leather Brown
2504	Beige
S00740	Zinc Rich Cold Galvanizing Compound



Tough Coat Paints (Fan Spray)

Part #	Color	Case Qty
SO0339	Red Primer	12
SO0340	Grey Primer	12
SO1700	Gloss (OSHA) Black	12
SO1800	Gloss (OSHA) White	12
SO3720	Flat White	12
SO3725	Semi Flat Black	12
SO3727	Flat Black	12

Upside Down Paints

Part #	Color	Case Qty
SO3614	Flourescent Green	12
SO3702	Flourescent Orange	12
SO3801	Utility Yellow	12
SO3900	Utility White	12



Stainless Steel Bolts

Sold Individually Unless Noted

5/16" Diameter - 1/2" Wrench

Part #			
Length	5/16-18	5/16-24	Qty
1/2'	92318	92385	
3/4"	92319	92386	
1"	92320	92387	
1-1/4"	92321	92388	
1-1/2"	92322	92389	
1-3/4"	92323		
2"	92324	92390	
2-1/2"	92326	92391	
3"	92328	92392	
3-1/2"	92329		

3/8" Diameter - 9/16" Wrench

Part #			
Length	3/8-16	3/8-24	Qty
1/2'	92334		
3/4"	92335		
1"	92336	92393	
1-1/4"	92337		
1-1/2"	92338	92394	
1-3/4"	92339		
2"	92340	92395	
2-1/2"	92342	92396	
3"	92344	92397	
3-1/2"	92345	92398	

1/4" Diameter - 7/16" Wrench

Part #			
Length	1/4-20	1/4-28	Qty
1/2'	92302		
3/4"	92303		
1"	92304	92379	
1-1/4"	92305	92380	
1-1/2"	92306	92381	
1-3/4"	92307		
2"	92308	92382	
2-1/2"	92310		
3"	92312	92383	
3-1/2"	92313	92384	

7/16" Diameter - 5/8" Wrench

Part #			
Length	7/16-14	7/16-20	Qty
1/2'			
3/4"			
1"	92367		
1-1/4"	92368		
1-1/2"	92369		
1-3/4"			
2"	92370		
2-1/2"	92371		
3"	92372		
3-1/2"	92373		

1/2" Diameter - 3/4" Wrench

Part #			
Length	1/2-13	1/2-20	Qty
1/2'			
3/4"	92353		
1"	92354	92399	
1-1/4"	92355		
1-1/2"	92358		
1-3/4"	92359		
2"	92360		
2-1/2"	92362		
3"	92364	92400	
3-1/2"	92365		
5"	92366		

5/8" Diameter - 15/16" Wrench

Part #			
Length	5/8-11	5/8-18	Qty
1/2'			
3/4"			
1"			
1-1/4"	92374		
1-1/2"	92375		
1-3/4"			
2"	92376		
2-1/2"			
3"	92377		
3-1/2"	92378		

Stainless Steel Screws

Sold Individually Unless Noted



Phillips Flat Head Sheet Metal Screws

	#8	#10
3/8"	93235	
3/4"	93236	
1"	93236-1	93240
1-1/2"		93241

Slotted Flat Head Sheet Metal Screws

	#8
3/4"	93312
1"	93313

Hex Head Machine Screw

	10-32
3/8"	92618
1/2"	92619

Stainless Steel Screws

Sold Individually Unless Noted



Phillips Oval Head Sheet Metal Screws

	#6	#8	#10	#12	#14
1/2	93251	93261	93271		
3/4	93252	93262	93272	93285	
1	93253	93263	93273	93286	
1-1/4	93254	93264	93274		
1-1/2	93256	93265	93275	93287	93289
1-3/4			93276	93288	
2		93267	93278		
3			93279		



Slotted Pan Head Machine Screw

	6-32	8-32	10-24	10-32
3/8"			92606	92607
1/2"				92608
1-1/4"		92605		
1-1/2"	92603			
2"				92609

Round Head Slotted Machine Screw

	4-40	6-32	8-32	10-24	10-32	1/4-20
3/16"	92599					
1/4"	92600	92610				
1/2"	92602	92612	92622	92636	92656	92686
3/4"	92604	92614	92624	92638	92658	92688
1"			92625	92639	92659	92689
1-1/4"				92640	92660	92690
1-1/2"				92641	92661	92691
1-3/4"						92692



Phillips Oval Head Machine Screws

	8-32	10-24	10-32	1/4-20
1/2"		93652		93656
1-1/4"	93651	93653		
1-1/2"			93655	93657
2"				93658
2-1/2"		93654		
3"				93659



Flat Head Slotted Machine Screw

	6-32	8-32	10-24	10-32	1/4-20	1/4-28
5/16"				92534		
3/8"			92521	92535		
1/2"	92512	92522	92536		92586	
5/8"					92587	
3/4"	92514	92524	92538		92588	92595
1"	92516		92539		92589	
1-1/4"	92517					
1-1/2"				92544		
2"				92545		



Socket Head Cap Screws

	10-24	10-32	1/4-20	5/16-18	3/8-16
3/8"	93315				
1/2"	93316	93317	33600SS	93323	33630SS
5/8"		93318			
3/4"		93319	33602SS		
1"			33604SS	33619SS	33634SS
1-1/4"		93320	93322	93324	93326
1-1/2"		93321		93325	



Stainless Steel

Sold Individually Unless Noted



Finished Hex Nut USS

Part #	Size
93603-1	4-40
93603	6-32
93604	8-32
93605	10-24
93605-1	12-24
93606	1/4-20
93609	5/16-18
93611	3/8-16
93612	7/16-14
93613	1/2-13
93614	5/8-11
93615	3/4-10

Finished Hex Nut SAE

Part #	Size
93607	10-32
93616	1/4-28
93617	5/16-24
93618	3/8-24
93619	7/16-20
93620	1/2-20

Nylon Lock Nut USS

Part #	Size
93450	#6-32
93451	#8-32
93452	#10-24
93453	1/4"-20
93454	5/16"-18
93455	3/8"-16
93456	7/16"-14
93457	1/2"-13

Nylon Lock Nut SAE

Part #	Size
93458	#10-32
93459	1/4"-28
93460	5/16"-24
93461	3/8"-24
93462	7/16"-24
93463	1/2"-20



Wing Nut

Part #	Size
93641	5/16-18
93642	3/8-16



Cap Nut

Part #	Size
93631	1/4-20
93632	3/8-16



Jam Nut

Part #	Size
93625	5/16-18
93626	3/8-16



Flat Washers

Part #	Size
93760	#4
93761	#6
93762	#8
93763	#10
93765	1/4"
93766	5/16"
93767	3/8"
93769	1/2"
93769-1	5/8"
93769-2	3/4"



Fender Washers

Part #	Size
93741	1/4" X 1-1/4"
93742	5/16" X 1-1/2"



Lock Washers

Part #	Size
93773	#6
93774	#8
93775	#10
93777	1/4"
93778	5/16"
93779	3/8"
93781	1/2"
93782	9/16"
93783	5/8"
93784	3/4"



Hose Clamps

Sold in Boxes of 10 Unless Noted

Miniatures

Part #	Clamp #	Effective Dia.	Clamp Range	Fits hose I.D.
24108	#4 Mini	7/32	5/8	3/16 TO 5/16
24110	#6 Mini	7/16	25/32	1/4 TO 3/8



Full Size

Part #	Clamp #	Effective Dia.	Clamp Range	Fits hose I.D.
24110-1	6	7/16	25/32	1/4 TO 3/8
24111	8	1/2	29/32	5/16 TO 1/2
24112	10	9/16	1-1/16	3/8 TO 5/8
24113	12	11/16	1-1/4	5/8 TO 3/4
24114	16	13/16	1-1/2	3/4 TO 1
24115	20	13/16	1-3/4	3/4 TO 1-1/4
24116	24	1-1/6	2	1-1/4 TO 1-1/2
24117	28	1-5/16	2-1/4	1-1/4 TO 1-3/4
24118	32	1-9/16	2-1/2	1-1/2 TO 2
24119	36	1-13/16	2-3/4	1-3/4 TO 2-1/2
24120	40	2-1/16	3	2 TO 2-1/2
24121	44	2-5/16	3-1/4	2-1/4 TO 2-3/4
24122	48	2-9/16	3-1/2	2-1/2 TO 3
24123	52	2-13/16	3-3/4	3 TO 3-1/4
24124	56	3-1/16	4	3-1/4 TO 3-1/2
24125	64	3-9/16	4-1/2	3-3/4 TO 4
24126	72	4-1/8	5	4 TO 4-1/2
C-080	80	4-5/8	5-1/2	
C-088	88	1-3/32	6	
C-096	96	4-1/2	6-1/2	
C-104	104	5	7	
*CSS-128	128	6-1/2	8-1/2	
*CSS-152	152	8	10	
*CSS-188	188	10-1/4	12-1/4	

Full Size:

- Extra strong, "square knot" - interlocked construction won't pull apart.
- No spots welds to rust, Corrode, or rupture.
- Arcial slots and buttressed screw threads for smooth, positive worm gear action - no jamming.
- Finished edges won't cut or damage hose.
- Slotted, 5/16" "Triple Header" hex head screw for easy installation.
- Smooth underside - no bumps or humps - insures the most effective seal possible

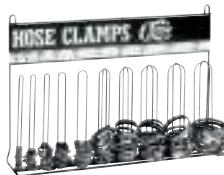
*These are stainless steel housings



Assortment

Part #	Description
	Empty Rack - 5 Loop
24102	10 24120 #40
	10 24122 #48
	10 24123 #52
	10 24124 #56
	10 24126 #72

*50 Total Pieces



Assortment

Part #	Description
20	Empty Rack - 10 Loop
20	24108 #4 MINI
20	24110 #6 MINI
20	24110-1 #6
20	24112 #10
20	24113 #12
20	24114 #16
20	24115 #20
10	24117 #28
10	24118 #32
10	24119 #36

*170 Total Pieces

Hose Clamps

Sold in Boxes of 10 Unless Noted

FULL SIZE LINER CLAMPS FOR SOFT SILICONE HOSE:

- Extra strong, "square knot" - interlocked construction won't pull apart.
- No spot welds to rust, corrode, or rupture.
- Arcial slots and buttressed screw threads for smooth, positive worm gear action - no jamming.
- Finished edges won't cut or damage hose.
- Slotted, 5/16" "Triple Header" hex head screw for easy installation.



Full Size

Part #	Clamp Diameter Range
9206	9/16 TO 13/16
9208	11/16 TO 15/16
9210	13/16 TO 1-1/16
9212	15/16 TO 1-1/4
9216	13/16 TO 1-1/2
9220	1 TO 1-3/4
9224	1-3/16 TO 2
9228	1-5/16 TO 2-1/4
9232	1-9/16 TO 2-1/2
9236	1-13/16 TO 2-3/4
9240	2-1/16 TO 3
9244	2-5/16 TO 3-1/4
9248	2-9/16 TO 3-1/2
9252	2-13/16 TO 3-3/4
9256	3-1/16 TO 4
9264	3-9/16 TO 4-1/2
9272	4-1/8 TO 5



Constant Torque Hose Clamps

Part #	Clamp Diameter Range
CT 175L	1 TO 1-3/4
CT 200L	1-1/4 TO 2-1/8
CT 250L	1-3/4 TO 2-5/8
CT 300L	2-1/4 TO 3-1/8
CT 350L	2-3/4 TO 3-5/8
CT 400L	3-1/4 TO 4-1/8
CT 450L	3-3/4 TO 4-5/8
CT-500L	

A revolutionary clamp that reacts to changes in hose systems by actually increasing or decreasing its own diameter as the system expands or contracts. Specifically recommended for coolant Lines. 100% Stainless Steel. OEM.

T-Bolt Clamps

Part	Clamp Diameter Range
30010-138	1-3/8" TO 1-9/16"
30010-150	1-1/2" TO 1-5/8"
30010-163	1-5/8" TO 1-7/8"
30010-175	1-3/4" TO 2"
30010-188	1-7/8" TO 2-3/16"
30010-200	2" TO 2-5/16"
30010-213	2-1/8" TO 2-7/16"
30010-225	2-1/4" TO 2-9/16"
30010-237	2-3/8" TO 2-11/16"
30010-250	2-1/2" TO 2-13/16"
30010-263	2-5/8" TO 2-15/16"
30010-275	2-3/4" TO 3-1/16"

Heavy duty T-bolt clamps provide uniform sealing pressure for a positive, reliable seal. Specifically designed for use in high vibration and large diameter applications. The most widely used t-bolt design. Typical applications include truck air intake systems, cold side charge air systems, off-road equipment and industrial machinery.





Clips & Pins



E Ring Standard Type

Part #	Size	Part #	Size
4097	1/16"	1547	5/16"
2711	3/32"	4100	3/8"
2712	1/8"	951	7/16"
4098	9/64"	2744	1/2"
2713	5/32"	4101	5/8"
4099	3/16"	4102	3/4"
2717	7/32"	4103	7/8"
2715	1/4"	4104	1"



Hair Pin Retainers

Part #	Size	Wire Size
2700	3/16"	.020
1548	1/16"	.026
1549	1/8"	.026
1550	3/16"	.026
2703	3/16"	.047
2702	7/32"	.032
2704	1/4"	.062
2705	5/16"	.062
926	3/8"	.062
2706	7/16"	.105
4017	1/2"	.106
4018	9/16"	.106
4019	5/8"	.135
4020	11/16"	.135



External Snap Ring

Part #	Size	Part #	Size
4112	3/16"	2771	7/8"
2763	1/4"	2772	1"
4113	9/32"	4116	1-1/16"
2764	5/16"	2773	1-1/8"
4114	11/32"	4117	1-3/16"
2765	3/8"	2774	1-1/4"
2766	7/16"	4118	1-5/16"
2767	1/2"	4119	1-3/8"
2768	9/16"	4120	1-7/16"
2769	5/8"	4121	1-1/2"
4115	11/16"	4122	1-5/8"
2770	3/4"	4123	1-3/4"

Internal Snap Ring

Part #	Size	Part #	Size
2750	1/4"	2759	1"
2751	5/16"	4126	1-1/16"
2752	3/8"	2760	1-1/8"
2753	7/16"	4127	1-3/16"
2754	1/2"	2761	1-1/4"
2755	9/16"	4128	1-5/16"
2756	5/8"	4129	1-3/8"
4124	11/16"	4130	1-7/16"
2757	3/4"	4131	1-1/2"
4125	13/16"	4132	1-5/8"
2758	7/8"	4133	1-3/4"



Expansion Plugs (Concave Cup)

Part #	Size	Part #	Size
3174	1/2"	3136	1-3/16"
3175	5/8"	3137	1-1/4"
3130	3/4"	3138	1-3/8"
3131	7/8"	3139	1-1/2"
3132	15/16"	3140	1-5/8"
3133	1"	3141	1-3/4"
3134	1-1/16"	3142	2"

Expansion Plugs

Sold in Quantities of 10



Expansion Plugs (Shallow Cup)

Part #	Size
3158	1-3/4"
3148	1-31/32"
3159	2-1/64"
3149	2-1/16"

Expansion Plugs (Regular Cup)

Part #	Size	Part #	Size
3125	1/2"	3129	1-1/2"
3143	19/32"	3145	1-5/8"
3126	3/4"	3146	1-3/4"
3127	7/8"	3151	1-49/64"
3144	29/32"	3152	1-15/16"
3176	1"	3147	1-61/46"
3177	1-1/8"	3153	2"
3128	1-7/32"	3154	2-1/16"
3178	1-1/4"	3155	2-1/8"
3229	1-3/8"	J3156	2-1/4"



Roll Pins

Sold in Quantities of 25



Part #	Size										
2720	1/16 X 1/4	2729	1/8 X 3/8	4596	5/32 X 2-1/4	4611	7/32 X 1-3/4	4626	5/16 X 1	4646	3/8 X 2-3/4
2721	1/16 X 1/2	4583	1/8 X 1/2	4597	5/32 X 2-1/2	2740	7/32 X 2	4627	5/16 X 1-1/4	4647	3/8 X 3
2722	1/16 X 3/4	4584	1/8 X 5/8	2735	3/16 X 1/2	4612	7/32 X 2-1/4	4628	5/16 X 1-1/2	4648	3/8 X 3-1/2
4572	1/16 X 7/8	2730	1/8 X 3/4	4598	3/16 X 5/8	4613	7/32 X 2-1/2	4629	5/16 X 1-3/4	4649	3/8 X 4
4573	1/16 X 1	4585	1/8 X 7/8	4599	3/16 X 3/4	4614	1/4 X 1/2	4630	5/16 X 2	4650	7/16 X 1
2723	5/64 X 1/4	4586	1/8 X 1	4600	3/16 X 7/8	4615	1/4 X 5/8	4631	5/16 X 2-1/4	4651	7/16 X 1-1/4
2724	5/64 X 1/2	4587	1/8 X 1-1/4	2736	3/16 X 1	4616	1/4 X 3/4	4632	5/16 X 2-1/2	4652	7/16 X 1-1/2
2725	5/64 X 3/4	2731	1/8 X 1-1/2	4601	3/16 X 1-1/4	4617	1/4 X 7/8	4633	5/16 X 2-3/4	4653	7/16 X 1-3/4
4574	5/64 X 7/8	4588	1/8 X 1-3/4	4602	3/16 X 1-1/2	2741	1/4 X 1	4634	5/16 X 3	4654	7/16 X 2
4575	5/64 X 1	4589	1/8 X 2	4603	3/16 X 1-3/4	4618	1/4 X 1-1/4	4635	5/16 X 3-1/2	4655	7/16 X 2-1/2
4576	5/64 X 1-1/4	2732	5/32 X 1/2	2737	3/16 X 2	4619	1/4 X 1-1/2	4636	5/16 X 4	4656	7/16 X 3
4577	5/64 X 1-1/2	4590	5/32 X 5/8	4604	3/16 X 2-1/4	4620	1/4 X 1-3/4	4637	3/8 X 3/4	4657	7/16 X 3-1/2
2726	3/32 X 1/4	4591	5/32 X 3/4	4605	3/16 X 2-1/2	2742	1/4 X 2	4638	3/8 X 7/8	4658	7/16 X 4
4578	3/32 X 1/2	4592	5/32 X 7/8	4606	7/32 X 1/2	4621	1/4 X 2-1/4	4639	3/8 X 1	4659	1/2 X 1-1/2
4579	3/32 X 5/8	2733	5/32 X 1	4607	7/32 X 5/8	4622	1/4 X 2-1/2	4640	3/8 X 1-1/4	4660	1/2 X 2
2727	3/32 X 3/4	4593	5/32 X 1-1/4	2738	7/32 X 3/4	4623	1/4 X 2-3/4	4641	3/8 X 1-1/2	4661	1/2 X 2-1/2
4580	3/32 X 7/8	2734	5/32 X 1-1/2	4608	7/32 X 7/8	2743	1/4 X 3	4642	3/8 X 1-3/4	4662	1/2 X 3
2728	3/32 X 1	4594	5/32 X 1-3/4	4609	7/32 X 1	4624	5/16 X 3/4	4643	3/8 X 2	4663	1/2 X 3-1/2
4581	3/32 X 1-1/4	4595	5/32 X 2	4610	7/32 X 1-1/4	4625	5/16 X 7/8	4644	3/8 X 2-1/4	4664	1/2 X 4
4582	3/32 X 1-1/2			2739	7/32 X 1-1/2			4645	3/8 X 2-1/2		

Cotter Pins

Sold in Quantities of 25



Cotter Pins

	1/32"	3/64"	1/16"	3/32"	7/64"	1/8"	5/32"	3/16"	7/32"	1/4"	5/16"	3/8"	1/2"
1/2"	38200		38208	38215		38229-1/2							
3/4"	38201	38204	38209	38216	38224-1	38228	38237-2	38245-1					
1"		38205	38210	38217	38224	38229	38237	38246		38258	38268		
1-1/8"					38229-1								
1-1/4"			38211	38218		38230	38238	38246-1		30558-1			
1-1/2"			38212	38219	38226	38231	38239	38248	38255-3	38259	38269	38278	
1-3/4"				38220		38232	38240	38248-2	38255-4				
2"		38214	38221	38227	38233	38241	38250	38255-2	38260	38270		38296	
2-1/4"					38233-1	38241-1			38260-1				
2-1/2"			38223	38227-1	38234	38243	38252	38255-1	38262				
3"	38214-1	38223-2	38227-2	38235	38244	38253			38263	38273	38279		
3-1/2"					38236	38244-1	38254		38264		38279-3	38298	
4"					38236-1	38245	38255		38265	38275	30556	30566	
5"									38266		30557	30567	
6"											30558	30569-1	



Hair Pins

Sold Individually Unless Noted



Hair Pins

Part #	Wire Dia.	Drill Size	Min Shaft Dia.	Max Shaft Dia.	Overall Length	Inside Dia. Of Eye
231	.028	1/32"	1/8"	5/32"	.600	.093
232	.042	.047	1/16"	1/8"	7/16"	.080
223	.042	3/16"	3/16"	1/4"	1"	1/4"
224	.047	1/16"	1/4"	3/8"	1-9/16"	5/16"
222	.062	5/64"	1/4"	1/2"	1-5/16"	5/16"
239	.072	5/64"	3/8"	1/2"	1-7/8"	5/8"
217	.080	3/32"	3/8"	1/2"	1-9/16"	5/16"
203	.094	7/64"	1/4"	1/2"	1-5/8"	3/8"
214	.094	7/64"	3/8"	3/4"	2-1/2"	7/16"
216	.125	9/64"	1/2"	3/4"	1-15/16"	7/16"
210	.148	5/32"	3/4"	1-1/8"	2-15/16"	3/4"
204	.162	3/16"	1/2" X 3/4"	5/8" X 1"	3"	5/8"
208	.177	3/16"	7/8"	1-1/4"	3-3/4"	7/8"
219	.243	17/64"	3/4"	1"	4"	15/16"
234	.243	17/64"	1-1/4"	1-1/2"	5-1/4"	1-3/8"

Lynch Pins

Sold in Box Quantities Only



Lynch Pins

Code	Description	Product Size (AxB)	C	D	E	Qty
63-001	3/16 Mini	3/16x1-1/4	1	1-1/8	1/8	100
63-01	3/16 Standard Ring	3/16x1-9/16	1-1/4	1-13/32	9/64	100
63-02	1/4 Standard Ring	1/4 x1-9/16	1-1/4	1-13/32	9/64	100
63-03	5/16 Standard Ring	5/16x1-9/16	1-1/4	1-13/32	9/64	100
63-031	5/16 Standard Ring	5/16x1-3/4	1-3/8	1-1/2	9/64	100
63-04	7/16 Standard Ring	7/16x1-9/16	1-11/32	1-17/32	9/64	100
63-05	7/16 Heavy Duty Rlng	7/16x1-3/4	1-1/2	1-21/32	3/16	50
63-06	7/16 Long Std Ring	7/16x1-31/32	1-11/32	1-17/32	9/64	50
63-07	7/16 Long HD ring	7/16x1-31/32	1-1/2	1-43/64	3/16	50
63-08	3/16 Std. Chain & Cotter	3/16x1-9/16	1-1/4	1-13/32	9/64	25
63-09	1/4 Std. Chain & Cotter	1/4x1-9/16	1-1/4	1-13/32	9/64	25
63-10	5/16 Std. Chain & Cotter	5/16x1-9/16	1-1/4	1-13/32	9/64	25
63-11	7/16 Std. Chain & Cotter	7/16x1-9/16	1-11/32	1-17/32	9/64	25
63-12	7/16 Long Chain & Cotter	7/16x1-31/32	1-11/32	1-17/32	9/64	25

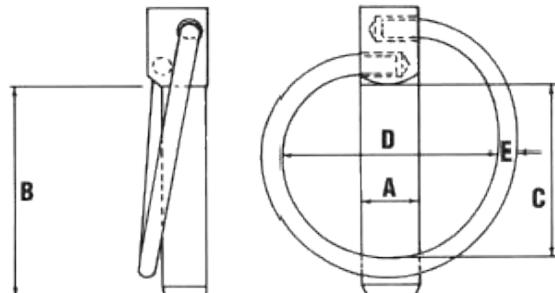
Lynch Pins are designed to be one of the finest quick disconnect fasteners available. Forged for the maximum strength, the rugged pins are zinc electroplated and chromate dipped for corrosion resistance. The design is self-locking ring allows the pin to be securely held in place and provides easy grip for quick removal. For added security, Lynch Pins are also available with an 8" plated and dipped chain, including a

3/16" x 1-3/8" cotter pin, for protection against loss or misplacement.

Pins are manufactured low carbon steel with a Rockwell hardness of Rb80-100.

Rings are of hot drawn spring steel with a Rockwell Hardness of Rc47-48.

All Dimensions are nominal.





Lock Pins

Sold in Box Quantities Only

Popular, quick connect and disconnect pins find many uses on equipment and shafts up to 2-1/2" in diameter. The retainer wire is formed of tempered M-B spring wire and the cold-headed shank is of 1010 carbon steel. Available in either single or double wire configurations. Entire assembly is zinc plated. Some sizes available in stainless steel.



Lock Pins (Single Wire)

Part #	Size	Bail Style	Qty
28-102	1/4 x 1-3/4	Round	25
28-104	1/4 x 2-1/2	Square	25
28-106	5/16 x 1-3/4	Round	25
28-108	5/16 x 2-1/2	Square	25
28-110	3/8 x 1-3/4	Round	25
28-112	3/8 x 2-1/2	Square	25



Grooved Single Wire Style (Snap Lock)

Part #	Size	Bail Style	Qty
28-09	5/16 x 3-1/2	-	25
28-11	3/8 x 3	-	25



Tab-Lock Style (Single Wire)

Part #	Size	Bail Style	Qty
28-142	1/4 x 1-3/4	Round	25
28-144	1/4 x 2-1/2	Square	25
28-146	5/16 x 1-3/4	Round	25
28-148	5/16 x 2-1/2	Square	25
28-150	3/8 x 1-3/4	Round	25
28-152	3/8 x 2-1/2	Square	



Lock Pins (Double Wire)

Part #	Size	Bail Style	Qty
28-01	1/4 x 1-3/4	Round	25
28-07	1/4 x 2-1/2	Square	25
28-08	5/16 x 1-3/4	Round	25
28-02	5/16 x 2-3/4	Square	25
28-03	3/8 x 1-3/8	Round	25
28-04	3/8 x 2-1/4	Square	25
28-06	3/8 x 2-1/2	Square	25



Tab-Lock Style (Double Wire)

Part #	Size	Bail Style	Qty
28-26	1/4 x 1-3/4	Round	25
28-31	5/16 x 1-3/4	Round	25
28-36	3/8 x 1-3/4	Round	25



Woodruff Keys

Sold Individually Unless Noted

Part #	Size	Woodruff #
3120-1	1/16 X 3/8	#211
3120	1/16 X 1/2	#1
3121	3/32 X 1/2	#2
3103	3/32 X 5/8	#4
3099	1/8 X 3/8	#213
3100	1/8 X 1/2	#3
3101	1/8 X 5/8	#5
3102	1/8 X 3/4	#7
3104	5/32 X 5/8	#6
3105	5/32 X 3/4	#8
3106	5/32 X 7/8	#10

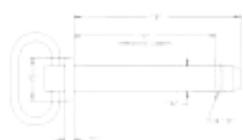
Part #	Size	Woodruff #
3122	3/16 X 5/8	#61
3107	3/16 X 3/4	#9
3108	3/16 X 7/8	#11
3109	3/16 X 1	#13
3110	3/16 X 1-1/8	#16
3111	7/32 X 7/8	#12
3112	7/32 X 1	#14
3113	7/32 X 1-1/8	#17
3123	1/4 X 3/4	#91
3114	1/4 X 7/8	#A
3115	1/4 X 1	#15

Part #	Size	Woodruff #
3116	1/4 X 1-1/8	#18
3117	1/4 X 1-1/4	#21
3117-3	1/4 X 1-3/8	#22
3117-4	1/4 X 1-1/2	#24
3118	5/16 X 1	#B
3119	5/16 X 1-1/8	#C
3119-2	5/16 X 1-3/8	#23
3119-3	5/16 X 1-1/2	#25
3119-4	3/8 X 1-1/4	#F

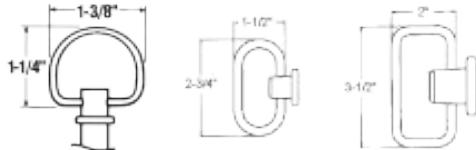


Hitch Pins

Sold in Box Quantities Only



Handle Style 1 Handle Style 2 Handle Style 3



Hitch Pins

Part #	Diameter (A)	Length Under Head To End of Pin (B)	Effective Length Under Collar To Hole (C)	Hole Size (D)	Collar Diameter (E)	Handle Style	Collar Thickness (F)	Qty
31-01	3/8"	4-3/8"	4"	5/32"	0.69	1	0.13	10
31-03	1/2"	4-3/4"	4"	13/64"	0.91	2	0.16	10
31-05	1/2"	6-1/2"	5-3/4"	13/64"	0.91	2	0.16	10
31-07	5/8"	4-3/4"	4"	13/64"	1.08	2	0.2	10
31-07-1	5/8"	5-3/4"	5"	13/64"	1.08	2	0.2	10
31-09	5/8"	6-1/2"	5-3/4"	13/64"	1.08	2	0.2	10
31-11	5/8"	6-3/4"	6"	13/64"	1.08	2	0.2	10
31-13	3/4"	4-3/4"	4"	13/64"	1.27	3	0.25	10
31-15	3/4"	5"	4-1/4"	13/64"	1.27	3	0.25	10
31-15-1	3/4"	6"	5-1/4"	13/64"	1.27	3	0.25	10
31-17	3/4"	7"	6-1/4"	13/64"	1.27	3	0.25	10
31-19	7/8"	5-1/4"	4-1/4"	13/64"	1.45	3	0.27	5
31-19-1	7/8"	7-1/2"	6-1/2"	13/64"	1.45	3	0.27	5
31-21	7/8"	8"	7"	13/64"	1.45	3	0.27	5
31-21-1	1"	5-3/4"	4-3/4"	13/64"	1.64	3	0.29	5
31-21-3	1"	7-3/4"	6-3/4"	13/64"	1.64	3	0.29	5
31-23	1"	8"	7"	13/64"	1.64	3	0.29	5
31-25	1-1/8"	7-3/4"	7"	1/4"	1.81	3	0.3	5
31-29	1-1/4"	7-3/4"	7"	1/4"	1.86	3	0.3	5
31-31	1-3/8"	9"	8"	1/4"	2.5	3	0.3	5
31-33	1-1/2"	9"	8"	1/4"	2.5	3	0.3	5

Clevis Pins

Sold Individually Unless Noted



Part #	Dia.	Length	Length Under Head To Center of Hole
2102	3/16	5/8	9/16
2103	3/16	1-1/2	1-7/16
2104	1/4	3/4	5/8
2120	1/4	1	29/32
2105	1/4	1-1/8	1-1/6
2106	1/4	1-1/4	1-3/16
2107	1/4	1-3/8	1-5/16
2108	1/4	1-3/4	1-11/16
2109	1/4	2	1-15/16

Part #	Dia.	Length	Length Under Head To Center of Hole
2121	5/16	1-1/8	1
2122	5/16	1-1/4	1-1/8
2110	5/16	1-1/2	1-3/8
2123	5/16	1-3/4	1-5/8
2111	5/16	2	1-7/8
2112	3/8	1	7/8
2124	3/8	1-1/8	1
2113	3/8	1-1/4	1-1/8
2114	3/8	1-5/8	1-1/2

Part #	Dia.	Length	Length Under Head To Center of Hole
2115	3/8	3	2-7/8
2125	1/2	1-1/2	1-11/32
2126	1/2	1-3/4	1-19/32
2116	1/2	2	1-7/8
2117	9/16	1-1/2	1-3/8
2118	9/16	3	2-7/8
2119	5/8	3	2-7/8

Clevis Pins

Sold Individually Unless Noted

Universal Clevis Pins Drilled for Cotter Pins



Part #	Dia.	Length
2469	1/4	1
2470	1/4	2
2470-1	1/4	3
2470-2	5/16	1-1/2

Part #	Dia.	Length
2471	5/16	2
2472	3/8	2
2473	7/16	2

Part #	Dia.	Length
2474	7/16	2-1/2
2475	1/2	2
2475-1	1/2	2-1/2

Part #	Dia.	Length
2476	1/2	3
2477	5/8	3
2478	3/4	3



Chain Hook Grab Type

Part #	Size
32660	1/4"
32661	5/16"
32662	3/8"
32664	1/2"
32664-1	5/8"



Shackles

Part #	Size
I-75100066	3/16"
I-75100076	1/4"
I-75100091	5/16"
I-75100106	3/8"
I-75100131	1/2"
I-75100146	5/8"
I-75100161	3/4"
I-75100191	1"



Screw Together Chain Couplers

Part #	Inside Length	Inside Width	Side Opening
D81901	1-1/8	7/16	1/8
D10001	1-1/2	1/2	1/4
D81101	1-3/4	9/16	9/32
D81201	2-5/16	1-1/6	3/8
D81301	2-7/16	3/4	7/16
D81501	3-3/16	15/16	19/32

Chain Hooks & Couplers

Sold Individually Unless Noted



Clevis Slip Hooks

Part #	Size
32685	1/4"
32686	5/16"
32687	3/8"

Chain Hook Clevis Grab

Part #	Size
32694	1/4"
32694-1	5/16"
32695	3/8"
32695-1	7/16"
32696	1/2"
32697	5/8"

Chain Coupling Links

Part #	Size
33925	1/4"
33926	5/16"
33927	3/8"
33928	7/16"
33929	1/2"
33930	5/8"
33931	3/4"



Domestic Chain Hook Clevis Grab

Part #	Size
32694USA	1/4"
C237109	5/16"
C237154	3/8"



Lap Links

Part #	Size
I-54400221	3/16" X 1"
I-54400226	1/4" X 1-1/4"
I-54400231	1/4" X 2"
I-54400236	5/16" X 1-1/2"
I-54400241	5/16" X 2"
I-54400246	3/8" X 1-5/8"
I-54400251	3/8" X 2"


Aluminum Sleeves

Part #	Size
I-77600001	1/16"
I-77600006	3/32"
I-77600011	1/8"
I-77600016	5/32"
I-77600021	3/16"
I-77600026	1/4"
I-77600036	5/16"
I-77600041	3/8"


Copper Stops

Part #	Size
I-83800006	3/32"
I-83800011	1/8"
I-83800016	5/32"
I-83800021	3/16"
I-88800031	1/4"

Chain Hooks & Couplers

Sold Individually Unless Noted



Wire Rope Clips Heavy Duty Dropped Forged

Part #	Size
32675	1/4"
32676	5/16"
32677	3/8"
32678	1/2"
32679	5/8"
32680	3/4"
32681	7/8"
32682	1"



Hand Swagers

Part #	Size	Swages (in.)	Type
109101	HS600	1/16", 1/32", 1/8", 5/32", 3/16"	Multi-Groove



Wire Rope Clips Malleable

Part #	Size
32665-2	1/8"
32665-1	3/16"
32665	1/4"
32666	5/16"
32667	3/8"
32668	1/2"
32668-1	9/16"
32669	5/8"
32670	3/4"
32671	7/8"
32672	1"



Aluminum Stops

Part #	Size
I-83800106	5/32"
I-83800111	3/16"
I-83800116	1/4"

License Plate Fasteners

Sold Individually Unless Noted


Part #705

1/4-20 X 9/16"

 Washer Head License Plate Bolt w/
Hex Nut

Part #706

1/4-20 X 9/16"

 Washer Head License Plate Bolt w/
Square Nut

Part #707

1/4-20 X 9/16"

 Truss Head License Plate Bolt w/
Square Nut

Part #708

1/4-20 X 9/16

Washer Head License Plate Bolt


Part #2649

#14 X 5/8" Type B

Washer Head License Screw


Part #1856

1/4-20 x 5/8"

Slotted Pan Head Thread Cutting License Plate Bolt


Part #1994

1/4-20

License Plate Screw Retainer Use With #1856



Speed Nuts

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Part # 2481 Pkg-50

#8 Metal Screw Multi Range .025-.150 Panel



Part # 1700 Pkg-100

#8 Metal Screws

Throttle Rod Clips

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Part #	Size
1923	1/8 (#1L)
1924	1/8 (#1R)
937	5/32 (#2L)
938	5/32 (#2R)

Part #	Size
939	3/16(#4L)
940	3/16(#4R)
941	1/4(#7L)
942	1/4(#7R)

Misc. Washers

Sold Individually Unless Noted



**Countersunk
(Nickel Plated on Brass)**

Part #	Screw Size	Finish	Pkg
614	#6	Plated	100
616	#8	Plated	100
618	#10	Plated	100
619	#12	Plated	100
620	#14	Plated	100
621	#8	Black Zinc	100



**Fender Washers
(Bright Zinc Plated)**

Part #	Bolt Size	I.D.	O.D.	Pkg
32570	3/16	7/32"	1"	25
32572	1/4	9/32"	1"	25
32573	1/4	9/32"	1-1/4"	25
32574	1/4	9/32"	1-1/2"	25
32575	5/16	11/32"	1-1/4"	25
32576	5/16	11/32"	1-1/2"	25
32577	3/8	13/32"	1-1/2"	25
32579	1/2	17/32"	2"	25



**Heavy Duty Fender Washers
(Bright Zinc Finish)**

Part #	Bolt Size	O.D.	Thickness	Pkg
EFTD-1970	1/4"	1"	.120"	25
EFTD-1972	1/4"	1-1/2"	.120"	25
EFTD-1975	5/16"	1-1/4"	.120"	25
EFTD-1983	5/16"	1-3/4"	.120"	25
EFTD-1978	3/8"	1-1/4"	.120"	25
EFTD-1984	3/8"	1-3/4"	.120"	25
EFTD-1982	1/2"	2"	.120"	25



Grease Fittings

Sold Individually Unless Noted



1/8" Pipe Thread

Special Extra Short	Special Short 30°	Special Short 45°	Special Short 65°	Special Short 90°
Part #	Part #	Part #	Part #	Part #
7577	7575	7575-1	7601	7588



1/8" Pipe Thread

1-3/4" Long	1-1/4" Long	2-5/8" Long
Part #	Part #	Part #
7595	7595-1	3243



1/4"-28 Thread (Straight and Taper)

Taper Thread	Taper Thread 3/4" Long	Taper Thread 1" Long	Taper Thread 45° Special Short	Taper Thread 45°	Taper Thread 90°
Part #	Part #	Part #	Part #	Part #	Part #
7578	7600	7581	7580	7580-2	7582



Drive Type Fittings

3/16" Without Ball Check	3/16"	3/16" 65°
Part #	Part #	Part #
7589-2	7596	7579-3



Drive Type Fittings

1/4"	1/4" 65°	5/16" Without Ball Check	5/16"	3/8"
Part #	Part #	Part #	Part #	Part #
7589	7579-4	7579	7579-1	7579-2



Metric Grease Fittings

Straight		45°		90°	
Part #	Size	Part #	Size	Part #	Size
7604-6S	6 mm	7604-6E	6 mm	7604-6A	6 mm
7604-8S	8 mm	7604-8E	8 mm	7604-8A	8 mm
7604-10S	10 mm	7604-10E	10 mm	7604-10A	10 mm

Button Head Fittings

1/8" Pipe Thread Special Short Thread	1/4" Pipe Thread Special Short Thread
Part #	Part #
7590	7591



Fitting Installation and Removal Tools

For taping 1/8" NPT threads and removal of 7/16" hex, straight or angle fittings	For tapping 1/4"-28 threads and removal of both 3/8" and 5/16" hex, straight or angle fittings	For use to install straight drive type fittings into un tapped holes	For use to install angle drive type fittings into un tapped holes
Part #	Part #	Part #	Part #
7577-A	7578-A	7589-A	7589-B



Grease Fittings

Sold Individually Unless Noted



Low Pressure Whip Hose

Part #	Description
1590	12" Whip Hose
1591	18"Whip Hose



Hydraulic Coupler

Part #	Description
7604-G6	Overall Length 1-7/16", tip dia. 9/16" inlet NPTF internal thread. For hand gun use only.
7604-G6HD	Heavy Duty Coupler
ALE308730	Hydraulic Coupler



Grease Joint Rejuvenator

Part #	Description
IP7862	

Opens clogged grease joints and fittings by loosening the hardened grease in the relief slots. Excellent for maintaining na dprotecting bearings, control arms, joints, king pins or anywhere else a grease gun is used. This steel tool is designed to be tapped with a hammer to force light viscosity oil through the tool into the grease joint, breaking up amd removing dirt and debirs. Includes a 5" flexible hose attachment to reach fittings in difficult areas, and a convenient wood storage case.



Grease Gun

Part #	Description
611	One Hand Grease Gun



LX-1120

Providing more features for Professionals who demand a better Grease Gun for the punishing day-in and day-out service required by Industrial users.



LX-1142

For the user who wants the Ultimate Grease Gun. Designed Specifically for Heavy-duty use. Built to take Extreme Punishment. Ideal for Heavy-duty Lubrication, it is the toughest, most rugged and productive Grease Gun, available. Simply and positively the first choice of the Professionals.



LX-1160

Deluxe, Air Operated Grease Gun . Ergonomically Designed and Perfectly Balanced for Comfort



LX-1152

Comes with 18" Flex Hose extension for Hard-to-reach Fittings.
Convenience of One-hand operation for easy Greasing

Grease Guns

Part #	Description
LX-1120	Heavy Duty Deluxe
LX-1142	Heavy Duty Premium
LX-1152	Heavy Duty, Deluxe Pistol Grip, With 18" Flex Hose
LX-1160	Deluxe Air Operated



Lag Shields



Sold Individually Unless Noted



"Short" Lag Shields

Part #	Dia. Of Bolt	Length of Shield	Drill Required
38550	1/4	1	1/2
38551	5/16	1-1/4	1/2
38552	3/8	1-3/4	5/8
38553	1/2	2	3/4
38554	5/8	2	7/8
38555	3/4	2	1

"Long" Lag Shields

Part #	Dia. Of Bolt	Length of Shield	Drill Required
38544	1/4	1-1/2	1/2
38545	5/16	1-3/4	1/2
38546	3/8	2-1/2	5/8
38547	1/2	3	3/4
38548	5/8	3-1/2	7/8
38549	3/4	3-1/2	1

Anchors

Sold Individually Unless Noted



Wedge Anchors

Part #	Size	Hole Size	Tread Length	Min. Embedment	Pull Out Shear	Shear
W-1416	1/4 X 1-3/4	1/4	3/4	1-1/8	2820	2740
W-1422	1/4 X 2-1/4	1/4	3/4	1-1/8	2820	2740
W-1432	1/4 X 3-1/4	1/4	3/4	1-1/8	2820	2740
W-3822	3/8 X 2-1/4	3/8	7/8	1-5/8	5150	6100
W-3826	3/8 X 2-3/4	3/8	1-1/8	1-5/8	5150	6100
W-3830	3/8 X 3	3/8	1-1/8	1-5/8	5150	6100
W-3836	3/8 X 3-1/4	3/8	1-1/8	1-5/8	5150	6100
W-3850	3/8 X 5	3/8	1-1/8	1-5/8	5150	6100
W-1226	1/2 X 2-3/4	1/2	1-1/4	2-1/4	7450	12200
W-1236	1/2 X 3-3/4	1/2	1-1/4	2-1/4	7450	12200
W-1242	1/2 X 4-1/4	1/2	1-1/4	2-1/4	7450	12200
W-1254	1/2 X 5-1/2	1/2	1-1/4	2-1/4	7450	12200
W-5834	5/8 X 3-1/2	5/8	1-1/2	2-3/4	8670	13870
W-5844	5/8 X 4-1/4	5/8	1-1/2	2-3/4	8670	13870
W-5850	5/8 X 5	5/8	1-1/2	2-3/4	8670	13870
W-5860	5/8 X 6	5/8	1-1/2	2-3/4	8670	13870

This test date was obtained using 4100LB. P.S.I. concrete.

For safe working loads do not exceed 25% of these values.

Meets and or exceeds GSA Specifications FF-S-325, Group II, Type 4, Class I.



E-Z Anchors

Part #	Description
22500	Made of Nylon
EZ-ANCOR	Made of Metal



Wall Grips for Pre-drilled Holes

Part #	Anchor Size	Hole Size	Grip Range
38537	1/8 S	5/16	1/8
38538	1/8 L	5/16	5/8
38539	1/8 XL	5/16	1-1/4
38540	3/16 S	7/16	1/8
38541	3/16 L	7/16	5/8
38542	3/16 XL	7/16	1-1/4



Nylon Anchors Truss Head - Steel Pin

Part #	Diameter	Length
31970	1/4	3/4
31971	1/4	1
31972	1/4	1-1/2
31973	1/4	2
31974	1/4	3



Anchors

Sold Individually Unless Noted

Carbon Steel Wedge Anchors Zinc Plated

Part #	Size	Min Embedment	Thread Length	Qty
AT1413	1/4" X 1-3/4"	1-3/8"	5/8"	100
AT1421	1/4" X 2-1/4"	1-3/8"	1"	100
AT1431	1/4" X 3-1/4"	1-3/8"	1"	100
AT3821	3/8" X 2-1/4"	1-3/4"	1"	50
AT3823	3/8" X 2-3/4"	1-3/4"	1-1/4"	50
AT3830	3/8" X 3"	1-3/4"	1-1/4"	50
AT3833	3/8" X 3-3/4"	1-3/4"	1-1/4"	50
AT3850	3/8" X 5"	1-3/4"	1-1/4"	50
AT1223	1/2" X 2-3/4"	2-1/2"	1-1/8"	25
AT1233	1/2" X 3-3/4"	2-1/2"	1-1/2"	25
AT1241	1/2" X 4-1/4"	2-1/2"	2"	25
AT1252	1/2" X 5-1/2"	2-1/2"	3-1/4"	25
AT1270	1/2" X 7"	2-1/2"	3-1/2"	25
AT5832	5/8" X 3-1/2"	3-1/4"	1-5/16"	10
AT5841	5/8" X 4-1/4"	3-1/4"	2"	10
AT5850	5/8" X 5"	3-1/4"	2-3/4"	10
AT5860	5/8" X 6"	3-1/4"	3-1/2"	10
AT5870	5/8" X 7"	3-1/4"	3-1/2"	10
AT5882	5/8" X 8-1/2"	3-1/4"	3-1/2"	10
AT5810	5/8" X 10"	3-1/4"	3-1/2"	10
AT3441	3/4" X 4-1/4"	3-3/4"	1-1/2"	10
AT3443	3/4" X 4-3/4"	3-3/4"	2"	10
AT3452	3/4" X 5-1/2"	3-3/4"	2-3/4"	10
AT3461	3/4" X 6-1/4"	3-3/4"	3-1/2"	10
AT3470	3/4" X 7"	3-3/4"	3-1/2"	10
AT3482	3/4" X 8-1/2"	3-3/4"	3-1/2"	10
AT3410	3/4" X 10"	3-3/4"	3-1/2"	10
AT3412	3/4" X 12"	3-3/4"	3-1/2"	5
AT7860	7/8" X 6"	3-7/8"	2-5/8"	5
AT7880	7/8" X 8"	3-7/8"	3"	5
AT7810	7/8" X 10"	3-7/8"	3"	5
AT1060	1" X 6"	4-1/2"	2-1/4"	5
AT1090	1" X 9"	4-1/2"	3"	5
AT1012	1" X 12"	4-1/2"	3"	5



Wall Grabbers

Part #	Description	Part #	Description	Part #	Description
TR108	Contains 100 Wall Grabbers for concrete application (Use #8 sheet metal screws or hardened nails, not included)	TR106	Contains 100 Wall Grabbers (Use #8 sheet metal screws, not included)	TR107	Contains 100 Wall Grabbers (Use #10 sheet metal screws not included)

Anchors

Sold Individually Unless Noted



Drive Wall Grips

Part #	Length	Wall Thickness
38537 S	1-5/16	1/8 TO 3/4
38538 L	1-1/2	1/2 TO 1-1/2
38538-1HL	2-1/2	1-1/4 TO 2-1/2



Ribbed Plastic Anchors With Lip

Part #	Anchor Size	Hole Size
RPA 68	6-8 X 7/8	3/16
RPA 1012	10-12 X 1	1/4
RPA 1416	14-16 X 1-1/2	5/16



Nylon Screw Anchors

Part #	Length	Screw Size	Drill Size
38530-1	3/4	6-8	3/16
38530-2	7/8	8-10	7/32
38530-3	1	10-12	1/4
38530-4	1-3/8	14-16	5/16



Toggle Bolts & Heads USS

(1/8)6-32 Dia. 3/8" Hole		(3/16)10-24 Dia. 1/2" Hole		1/4"-20 Dia. 5/8" Hole		5/16"-18 Dia. 7/8" Hole		3/8"-16 Dia. 7/8" Hole	
Part #	Length	Part #	Length	Part #	Length	Part #	Length	Part #	Length
38556-2	2	38558-2	2	38560	3	38562-3	3	38563-3	3
38556	3	38558	3	38561	4	38562-4	4	38563	4
38556-4	4	38559	4	38561-5	5	38562-5	5	38564-5	5
		38559-5	5	38562	6	38562-6	6	38564	6
		38559-6	6						



**Toggle Bolt Heads
Heads Only**

Part #	Length	Hole Size
38601	6-32 (1/8")	3/8"
38602	10-24 (3/16")	1/2"
38603	1/4-20 (1/4")	5/8"
38603-1	5/16-18 (5/16")	7/8"
38604	3/8-16 (3/8")	7/8"



**Toggler Brand Screw Anchors
(Use 5/16" Bit)**

Part #	Description	Screw Size
TA-100	1/8"-1/4" Hollow Door Anchor	#6 - #12
TB-100	3/8"-1/2" Drywall Ancor	#6 - #14
TC-100	5/8"-3/4" Wall Anchor	#6 - #14
TD-50	1" and Larger Wall Anchor	#6 - #14

Reliable: Maximum, reliable holding power in gypsum board, drywall or plaster walls—and in hollow doors or thin panels.

Strong: Protect wall from spalling and breakthrough. Perfect blend of strength & durability in temperatures from -20° to 212° F (-30° to 100° C).

Versatile: Broadest range of screw diameters—use with wood screws or sheet metal screws from #6 through #14 (Ø 3.5-6mm).

Fastest Installation: You can use your screwdriver to make the hole in drywall! All TOGGLER hollow-wall anchors require only a 5/16" diameter (Ø 8mm) hole.

Easy to Use: Anchor pre-installs without a screw—can be used with a screw gun.

Adaptable: Colorless and translucent—blends into wall color and texture. Non-conductive and non-magnetic.

Rustproof: Use with stainless steel or brass screws in any corrosive environment.

Anchors

Sold Individually Unless Noted



Tapcon Screw Flat Head

Part #	Diameter	Length
102250TCF		1-1/4"
102750TCF		1-3/4"
103225TCF	3/16"	2-1/2"
103275TCF		2-3/4"
2501250TCF		1-1/4"
2501750TCF		1-3/4"
250200TCM	1/4"	2"
2502250TCF		2-1/4"
TTN25234PF		2-3/4"
2503750TCF		3-3/4"

Tapcon Screw Hex Head

Code	Diameter	Length
102250TCH		1-1/4"
101125TCH		1-1/4"
102750TCH	3/16"	1-3/4"
103225TCH		2-1/2"
2751344TCH		2-1/4"
103275TCH		2-3/4"
250125TCH		1-1/4"
250175TCH		1-3/4"
250200TCH		2"
2501225TCH	1/4"	2-1/4"
2501275TCH		2-3/4"
TTN25334H		3-3/4"

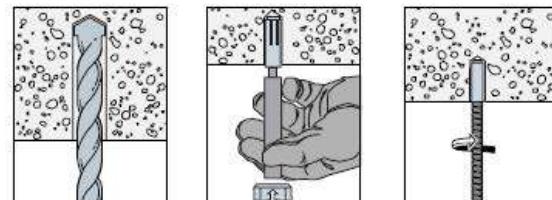
Drop In Anchors

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Easy Installation

- Drill a hole in the base material using the appropriate diameter carbide drill bit as specified in the table. Drill the hole to the specified embedment depth plus $\frac{1}{16}$ " for flush mounting. Blow the hole clean using compressed air. Overhead installations need not be blown clean.
- Caution: Oversized holes will make it difficult to set the anchor and will reduce the anchor's load capacity.
- Insert anchor into hole. Tap with hammer until flush against surface.
- Using the Drop-in setting tool, drive expander plug towards the bottom of the anchor until shoulder of setting tool makes contact with the top of the anchor.

Installation Sequence (Short Drop-In similar)



The anchor is fully expanded when the shoulder of the setting tool makes contact with the top of the anchor.

Drop In Anchors

Part #	Size	Drill	Body Length	Pkg
DIA25	1/4"-20	3/8"	1"	100
DIA37	3/8"-16	1/2"	1-1/2"	50
DIA50	1/2"-13	5/8"	2"	50
DAI62	5/8"-18	7/8"	2-1/2"	25
DIA75	3/4"-10	1"	3-1/8"	20



Floor Screws



Countersunk Flat Head Black

	1/4"-20 Diameter	5/16"-18 Diameter
1"	32803-1	32812-1
1-1/4"	32802	
1-1/2"	32803	32812-1/2
2"	32804	32812
2-1/4"	32805	32813
2-1/2"	32806	32814
3"	32808	32812-3
3-1/2"	32809	32812-4
4"	32810	
5"	32811	

Pan Head Zinc Plated

	1/4"-20 Diameter	5/16"-18 Diameter
1"	32815-1	32816-1
1-1/4"		32816
1-1/2"	32815	
2"	32815-2	32817
2-1/2"		32818



Torx Truss Head SMS

Part #	Size
38008	1/4" X 1"
38012	1/4" X 1-1/2"
38016	1/4" X 2"

Lag Screws & Misc. Bolts

Hex Head Steel Lag Bolts

	1/4" Diameter	5/16" Diameter	3/8" Diameter	1/2" Diameter
1"	32310	32320-1	32332	
1-1/4"	32311			
1-1/2"	32312	32322	32334	32349
1-3/4"	32313			
2"	32314	32324	32336	32350
2-1/2"	32316	32326	32338	32351
3"	32318	32328	32340	32352
3-1/2"	32319	32329	32342	
4"	32320	32330	32344	32354
4-1/2"	32320-2	32330-1	32345	
5"	32321	32331	32346	32356
5-1/2"	32321-1	32331-1	32347	32355
6"	32321-2	32331-2	32348	32356-1
7"			32348-1	
8"				32356-3



Step Bolts

	1/4" Diameter	5/16" Diameter
1-1/4"	1420BT	
1-1/2"	1424BT	
2"	1432BT	3132BT
2-1/2"	1433BT	3138BT
3"	1434BT	3148BT



Tap Bolts - Grade 5

	3/8"-16 Diameter	1/2"-13 Diameter
2"		5033T5
2-1/2"		5041T5
3"	3749T5	



Misc. Bolts



Hex Head Body Tap Bolts

	1/4"-20 Diameter	5/16"-18 Diameter	3/8"-16 Diameter	7/16"-14 Diameter	1/2"-13 Diameter
1/2"	740	747			
3/4"	741	748			
1"	742	749	736		
1-1/4"	743	750			
1-1/2"	744	751	737		
1-3/4"	745	752			
2"	746	753	738	4201	4206
2-1/2"	4191	4193	4195	4202	4207
3"	4192	4194	4196	4203	4208
3-1/2"			4197	4204	4209
4"			4198	4205	4210
5"			4199		4211
6"			4200		4212

Serrated Bolts & Nuts



Hex Serrated Flange Bolt

	1/4-20	5/16-18	3/8-16
1/2"	F60000	F60025	F60050
3/4"	F60002	F60027	F60052
1"	F60004	F60029	F60054
1-1/4"	F60005	F60030	F60055
1-1/2"	F60006	F60031	F60056
2"	F60008	F60033	F60058
2-1/2"	F60010	F60035	
3"			F60062

Serrated Flange Nut

Part #	Size
5838	1/4-20
5839	5/16-18
5840	3/8-16
F51204	7/16-14
5841	1/2-13
5842	5/8-11

Bottom Rail Kits



Bottom Rail Kit

Part #	Description
F9921689-99	8 ea - 3/8"-16 X 1-1/4" Gr 5.1 Ribbed neck Carriage Bolt Zinc 8 ea - 3/8"-16 Hex Flange Serrated Steel Nut Zinc. 8 ea - 3/8" Nylon Flat Washer



Carriage Bolts



Carriage Bolts USS Grade 2

	1/4" Diameter	5/16" Diameter	3/8" Diameter	7/16" Diameter	1/2" Diameter
3/4"	34575	34600	34625		
1"	34576	34601	34626	34651	34677
1-1/4"	34577	34602	34627	34652	
1-1/2"	34578	34603	34628	34653	34678
1-3/4"	34578-1	34603-1	34628-1	34653-1	34678-1
2"	34579	34604	34629	34654	34679
2-1/4"	34579-1	34604-1	34629-1	34654-1	
2-1/2"	34580	34605	34630	34655	34680
2-3/4"	34580-1		34630-1		
3"	34581	34606	34631	34656	34681
3-1/2"	34582	34607	34632	34657	34682
4"	34583	34608	34633	34658	34683
4-1/2"	34584	34609	34634	34659	34684
5"	34585	34610	34635	34660	34685
5-1/2"	34586	34611	34636	34661	34686
6"	34587	34612	34637	34662	34687
7"	34589	34614	34639		34689
8"	34591	34616	34641		34690-1
9"	34592	34617	34641-9		34690-2
10"	34593	34618			34690-3
11"					34690-4
12"	34594	34619			34690-5

Grade 5 Carriage Bolts (Fully Threaded)

	1/4"-20 Diameter	5/16"-18 Diameter	3/8"-Diameter	7/16"-14 Diameter	1/2"-13 Diameter
5/8"	1410C5				
3/4"	1412C5		3712C5		
1"	1416C5	3116C5	3716C5	4316C5	5016C5
1-1/4"	1420C5	3120C5	3720C5		5020C5
1-1/2"	1424C5	3124C5	3724C5	4324C5	5024C5
1-3/4"	1428C5		3728C5		5028C5
2"	1432C5	3132C5	3732C5	4332C5	5032C5
2-1/4"			3736C5		
2-1/2"	1440C5	3140C5	3740C5		
3"	1448C5	3148C5		4348C5	5048C5

Elevator Bolts

Elevator Bolts

	1/4" Diameter	5/16" Diameter	3/8" Diameter
3/4"	33800		
1"	33802		33817
1-1/4"	33803	33815	33825
1-1/2"	33804	33814	33822
2"	33806	33816	33824
2-1/2"	33807	33818	33826
3"	33808		33828





Machine Screws

Slotted Round Head Machine Screws

	4-40 Dia.	6-32 Dia.	8-32 Dia.	10-24 Dia.	10-32 Dia.	12-24 Dia.	1/4"-20 Dia.	5-/16"-18 Dia.	3/8"-16 Dia.
1/4"	31120	31122	31128	31134	31143				
3/8"		31123	31129						
1/2"	31120-1	31124	31130	31135	31144	31150	34376		
5/8"		31125	31131						
3/4"	31121	31126	31132	31136	31145	31151	34378	34391	34395
1"	31121-1	31127	31133	31137	31146	31153	34379	34392	34396
1-1/4"			31133-1	31138			34380		
1-1/2"		31127-1	31133-2	31139	31147	31154	34381	34393	34397
1-3/4"				31140			34382		
2"		31127-2	31133-3	31141	31148	31154-1	34383	34394	34398
2-1/2"			31133-4	31142			34384		
3"			31133-5				34385		
3-1/2"							34386		
4"							34387		



Pan Head Phillips Machine Screws

	4-40 Dia.	6-32 Dia.	8-32 Dia.	10-24 Dia.	10-32 Dia.	12-24 Dia.	1/4"-20 Dia.	5/16"-18 Dia.
3/16"		31610						
1/4"	31601	31611	31621					
5/16"	31602	31612						
3/8"	31603	31613	31622	31631	31641		31649	
1/2"	31604	31614	31623	31632	31642	31648	31650	
5/8"				31632-1	31642-1	31648-5/8	31651	
3/4"		31615	31624	31633	31643	31648-3/4	31652	31660
7/8"			31624-1					
1"		31616	31625	31634	31644	31648-1	31653	31661
1-1/4"		31617		31635	31645	31648-11/4		31662
1-1/2"		31618	31626	31636	31646	31648-11/2	31654	
2"		31619		31637	31647	31648-2	31655	
2-1/4"		31620						
2-1/2"		31620-1						



P

Slotted Flat Head Machine Screws

	4-40 Dia.	6-32 Dia.	8-32 Dia.	10-24 Dia.	10-32 Dia.	12-24 Dia.	1/4"-20 Dia.	5-/16"-18 Dia.	3/8"-16 Dia.
1/4"	31069-5	31070	31075	31080	31085				
3/8"		31070-1	31075-1						
1/2"	31069-6	31071	31076	31081	31086	31090	34405-1		
5/8"		31071-1	31076-1						
3/4"	31069-7	31072	31077	31082	31087	31091	34405-2	34410-1	34415-1
1"	31069-8	31073	31078	31083	31088	31092	34405-3	34410-2	34415-2
1-1/4"			31078-1	31083-1		31093	34405-4		
1-1/2"		31073-2	31078-2	31084	31089	31094	34405-5	34410-3	34415-3
1-3/4"				31084-X			34405-6		
2"		31073-3	31078-3	31084-1	31089-1		34405-7	34410-4	34415-4
2-1/2"			31078-4	31084-2			34405-8		
3"			31078-5	31084-3			34405-9		
3-1/2"							34405-10		
4"							34405-11		





Machine Screws

Phillips Flat Head Machine Screw Zinc Plated

	4-40 Dia.	6-32 Dia.	8-32 Dia.	10-24 Dia.	10-32 Dia.	12-24 Dia.	1/4-20 Dia.	5/16-18 Dia.
1/4"	0404MPF	0604MPF	0804MPF					
3/8"	0406MPF		0806MPF		1106MPF			
5/16"		0605MPF						
1/2"	0408MPF	0608MPF	0808MPF	1008MPF	1108MPF		1408MPF	
5/8"	0410MPF							
3/4"	0412MPF	0612MPF	0812MPF	1012MPF	1112MPF		1412MPF	
1"		0616MPF	0816MPF	1016MPF	1116MPF	1134MPF	1416MPF	1450MPF
1-1/4"			0820MPF	1020MPF	1120MPF		1420MPF	
1-1/2"				1024MPF	1124MPF		1424MPF	
1-3/4"							1428MPF	
2"			0832MPF	1032MPF	1132MPF		1432MPF	1452MPF
2-1/2"							1440MPF	
3"							1448MPF	



Un-slotted Hex Head Machine Screws

	6-32 Dia.	10-24 Dia.	10-32 Dia.
1/4"	31820		
1/2"	31821	31829	
5/8"		31829-1	
3/4"			31835
1"		31831	31836
1-1/4"		31832	31837
1-1/2"		31833	31838

Truss Phillips Machine Screw

Part #	Dia.	Length
38320	#8	1/2"
38321	#8	3/4"
38322	#8	1"
38325	#10	1/2"
38326	#10	1"

Thumb Screws Type P Steel Zinc Plated

Part #	Dia.	Length
30975	10-24	1"
30976	1/4-20	1/2"
30977	1/4-20	3/4"
30978	1/4-20	1"
30979-1	5/16-18	1"
30980	3/8-16	1"
30981	3/8-16	1-1/2"

Nuts



High Nuts

	Grade 2 (Plain)	Grade 5 (Zinc Plated)
3/8"-24	990	
7/16"-20	991	
1/2"-20	992	
9/16"-18	993	
5/8"-18	994	4751
3/4"-16	995	4752
7/8"-14	996	4753
1"-14	997	4754
1-1/8"-12	998	4841
1-1/4"-12	999	4842

Slotted Hex Nuts

Part #	Size	Part #	Size
4739	1/2"-13	4747	1"-8
4740	1/2"-20	4748	1"-14
4741	5/8"-11	4843	1-1/8"-7
4742	5/8"-18	4844	1-1/8"-12
4743	3/4"-10	4749	1-1/4"-7
4744	3/4"-16	4750	1-1/4"-12
4745	7/8"-9		
4746	7/8"-14		

Coupling Nuts

Part #	Screw Size	O.D.	Height
5827	1/4"-20	3/8"	7/8"
5828	5/16"-18	5/8"	1-3/4"
5829	3/8"-16	5/8"	1-3/4"
5830	1/2"-13	11/16"	1-3/4"
5831	5/8"-11	13/16"	2-3/8"
5832	3/4"-10	1"	2-1/4"
5833	7/8"-9	1-1/4"	2-1/2"
5834	1"-8	1-3/8"	2-3/4"
5835	1-1/8"-7	1-5/8"	3"
5836	1-1/4"-7	1-3/4"	3-1/4"
5837	1-1/2"-6	2"	3-1/2"



Square Machine Screw Nuts

Part #	Size
5909	6-32
5910	8/32
5911	10-24
5912	10-32
5913	12-24
5914	1/4-20
5915	5/16-18
5916	3/8-16



Machine Screw Hex Nuts Zinc Plated

Part #	Size
31242	4-40
31244	6-32
31245	8-32
31246	10-24
31255	10-32
31247	12-24

Nuts



Finished Jam Nuts

Part #	Size	Part #	Size
5816	1/4-20	5822	7/16-14
5817	1/4-28	5823	1/2-13
5818	5/16-18	5824	1/2-20
5819	5/16-24	5825	5/8-11
5820	3/8-16	5826	3/4-10
5821	3/8-24		



Kep Nuts Zinc Plated

Part #	Size
31235	#6-32
31236	#8-32
31237	#10-24
31230	#10-32
31238	1/4"-20
31231	1/4"-28
31239	5/16"-18
31232	5/16"-24
31240	3/8"-16
31233	3/8"-24



Tee Nuts

Part #	Size	Prong
5939	10-32 X 5/16	3
5940	10-32 X 5/16	4
5941	10-32 X 5/16	3
5942	10-32 X 5/16	4
5943	1/4-20 X 5/16	3
5944	1/4-20 X 5/16	4
5945	1/4-20 X 7/16	3
5946	1/4-20 X 7/16	4
5947	5/16-18 X 3/8	3
5949	5/16-18 X 5/8	3
5950	3/8-16 X 7/16	4



Wing Nuts Bright Finish

Part #	Size
34321	#10-24
34331	#10-32
34323	1/4"-20
34324	5/16"-18
34325	3/8"-16
34326	1/2"-13

Washers



Star Washers

External	Bolt Size	Internal
31340	#6	31350-1
31341	#8	31351-1
31342	#10	31352-1
31343	#12	31353
31344	1/4"	31354
31345	5/16"	31355
31346	3/8"	31356
31347	7/16"	31357
31348	1/2"	31358
31349	5/8"	31359
31350	3/4"	31360
31351	7/8"	31361
31352	1"	31362



Bonded Sealing Washer

Part #	Size
51429BSW	#8
51430BSW	#10
51431BSW	1/4"
51432BSW	5/16"



Countersunk Tooth Star Washers

Part #	Bolt Size
31360-1	#6
31361-1	#8
31362-1	#10
31363	1/4"
31364	5/16"
31365	3/8"

Machine Bushings

14 Gauge Regular Machine Bushing

Part #	O.D.	I.D.	Part #	O.D.	I.D.
36-01	7/8"	1/2"	36-08	1-7/8"	1-1/4"
36-02	1"	9/16"	36-09	2-1/8"	1-3/8"
36-03	1"	5/8"	36-10	2-1/4"	1-1/2"
36-04	1-1/4"	3/4"	36-11	2-3/8"	1-5/8"
36-05	1-3/8"	7/8"	36-12	2-1/2"	1-3/4"
36-06	1-1/2"	1"	36-13	2-7/8"	1-7/8"
36-07	1-3/4"	1-1/8"	36-14	3"	2"

14 Gauge Wide Machine Bushing

Part #	O.D.	I.D.	Part #	O.D.	I.D.
41-01	1-1/4"	5/8"	41-08	2-1/4"	1-1/4"
41-02	1-1/2"	3/4"	41-09	2-1/2"	1-3/8"
41-03	1-3/4"	7/8"	41-10	3"	1-1/2"
41-04	1-7/8"	15/16"	41-11	3-1/8"	1-5/8"
41-05	2"	1"	41-12	3-1/4"	1-3/4"
41-06	2-1/16"	1-1/16"	41-13	3-3/8"	1-7/8"
41-07	2-1/8"	1-1/8"	41-14	3-1/2"	2"

Sheet Metal Screws

Slotted Pan Head Sheet Metal Screws Zinc Plated

	#4 Dia.	#6 Dia.	#7 Dia.	#8 Dia.	#10 Dia.	#12 Dia.	#14 Dia.
1/4"	31700	31710		31730			
3/8"	31701	31711		31731			
1/2"	31702	31712	31722	31732	31742	31752	31762
5/8"	31703	31713	31723	31733	31743		31763
3/4"		31714		31734	31744	31754	31764
7/8"				31735	31745		31765
1"		31716	31726	31736	31746	31756	31766
1-1/4"				31737	31747		31767
1-1/2"		31718		31738	31748	31758	31768
1-3/4"				31738-1	31749		31769
2"		31719		31739	31750	31760	31770
2-1/2"				31740	31750-1		31771
3"					31751		31772



Phillips Pan Head Sheet Metal Screws Zinc Plated

	#4 Dia.	#6 Dia.	#7 Dia.	#8 Dia.	#10 Dia.	#12 Dia.	#14 Dia.
1/4"	32058-1	32060					
3/8"	32058	32061		32081	32091		
1/2"	32059	32062		32082	32092	32102	32112
5/8"	32059-1	32063		32083	32093	32103	
3/4"	32059-2	32064	32074	32084	32094	32104	32114
1"		32065	32076	32086	32096	32106	32115
1-1/4"		32066		32087	32097	32107	32116
1-1/2"		32067		32088	32098	32108	32117
1-3/4"				32089	32098-1	32109	32118
2"		32068		32090	32099	32110	32119
2-1/2"				32090-1	32100		32120
3"				32090-2			32121





Sheet Metal Screws

Phillips Flat Head Sheet Metal Screws Zinc Plated

	#4 Dia.	#6 Dia.	#8 Dia.	#10 Dia.	#12 Dia.	#14 Dia.
3/8"		34724	34737			
1/2"	34721	34725	34738	34750		
5/8"		34726		34751		
3/4"	34723	34727	34740	34752	34765	34777
1"		34728	34742	34753	34766	34778
1-1/4"			34743	34754	34767	
1-1/2"			34744	34755	34768	34780
1-3/4"			34746	34756	34769	34781
2"			34747	34757	34770	34782
2-1/2"			34748	34757-1	34771	
3"				34757-2	34772	



Phillips Oval Head Self Tapping Screws Type A-B Zinc Plated

	#4 Dia.	#6 Dia.	#7 Dia.	#8 Dia.	#10 Dia.	#12 Dia.
3/8"	32008	32011		32031		
1/2"	32009	32012	32021	32032	32042	32053
5/8"	32010	32013		32033	32043	
3/4"	32010-1	32014		32034	32044	32054
1"		32016		32036	32046	32055
1-1/4"		32017		32037	32047	32056
1-1/2"		32018		32038	32048	
2"				32040	32050	

Slotted Hex Washer Head Self Tapping Screws Zinc Plated

	#6 Dia.	#8 Dia.	#10 Dia.	#12 Dia.	#14 Dia.
1/4"					
3/8"	31855	31860			
1/2"	31856	31861	31868	31876	31883
5/8"	31857				31883-1
3/4"	31858	31863	31870	31877	31884
1"	31859	31864	31871	31878	31885
1-1/4"		31865	31872	31879	31886
1-1/2"		31866	31873	31880	31887
1-3/4"			31874		
2"		31867	31875	31881	31888
2-1/2"					31888-1
3"					31889



Un-Slotted Hex Washer Head Sheet Metal Screws

Part #	Dia.	Length
31803	#8	1/2"
31804	#8	3/4"
31805	#8	1"
31806	#8	1-1/2"





Hex Head With Attached Washer

Part #	Size
2166	#10 X 5/8"
837	#14 X 3/4" (7/16 A.F.)
2167	#14 X 1" (7/16 A.F.)
5614	#14 X 1" (3/8 A.F.)
5214	5/16" (#20) X 3/4"
832	5/16" (#20) X 1"



Pan Head Square Drive Tapping Screws Zinc Plated

Part #	Dia.	Length
32500-1	#8	3/8"
32501	#8	5/8"
32502	#8	3/4"
32503	#8	1"
32506	#8	1-1/2"
32508	#8	2"
32512	#10	3/4"
32513	#10	1"
32515	#10	1-1/2"



Phillips Oval Head Sheet Metal Screw "BLACK"

Part #	Dia.	Length
38307	#8	1/2"
38309	#8	3/4"
38310	#8	1"
38311	#8	1-1/4"
38312	#8	1-1/2"
38313	#8	2"
38314	#8	3"

Sheet Metal Screws



Sharp Point Hex Washer Head Sheet Metal Screws

Part #	Dia.	Length
31160	#8	1/2"
31161	#8	3/4"
31162	#8	1"
31163	#8	1-1/4"
31164	#10	1/2"



Unslotted Hex Type "BA" Washer Head

Part #	Size
4088	1/4 X 5/8"
2362	5/16 X 3/4"
2366	5/16 X 7/8"
2367	5/16 X 1-1/8"
2363	5/16 X 1-1/2"



Phillips Pan Head Type "AB" "Black" Sheet Metal Screw

Part #	Dia.	Length
38332	#8	1/2"
38334	#8	3/4"
38335	#8	1"
38336	#8	1-1/4"
38336-1	#8	1-1/2"
38336-2	#8	2"
38336-3	#8	3"



Un-slotted Hex Head Sheet Metal Screws

Part #	Dia.	Length
31934	#14	3/4"
31935	#14	1"
31937	#14	1-1/2"
31938	#14	1-3/4"
31939	#14	2"
31944	5/16"	3/4"
31945	5/16"	1"
31947	5/16"	1-1/2"
31948	3/8"	1"
31949	3/8"	1-1/2"



Body Bolts

Hex Washer Head Body Bolt

Part #	Size
4277	5/16-18 X 13/16
4568	5/16-18 X 1
4569	5/16-18 X 1-1/4
4570	5/16-18 X 1-1/2



Thread Cutting Screws

Hex Washer Head Thread Cutting Screws Zinc Plated

	6-32 Dia.	8-32 Dia.	10-24 Dia.	1/4-20 Dia.	5/16-18 Dia.	3/8-16 Dia.
1/4"	2060	2062				
1/2"	2061	2063	2065	2067	869	
5/8"				2068		
3/4"		2064	2066	2069	856	1982
1"				2070	877	2499
1-1/4"				2071		2275



Slotted Pan Head Thread Cutting Screws Zinc Plated

	4-40 Dia.	6-32 Dia.	8-32 Dia.	10-24 Dia.	10-32 Dia.	12-24 Dia.	1/4-20 Dia.
5/16"			973				
3/8"					979		
1/2"	970	971	974	976	980	982	4846
5/8"				977			1856
3/4"		972	975	978	981	983	

Hexagon Head Thread Cutting Screws Zinc Plated

	10-24 Diameter	12-24 Diameter	1/4-20 Diameter	5/16-18 Diameter
3/8"	839			
1/2"	840		841	843
5/8"		5128		
3/4"	4948		842	
1"			855	844
1-1/2"				4516



Tek Screws



Phillips Pan Head Tek Screws

	#6 Diameter	#8 Diameter	#10 Diameter
1/2"	33854	33855	33859
5/8"		33853	33860
3/4"	33854-1	33856	33861
1"	33854-2	33856-1	33862
1-1/2"		33857	



Phillips Round Washer Head Tek Screws

Part #	Dia.	Length
33863	8-18	1/2
33863-1	8-18	3/4
33864	8-18	1
33865	8-18	1-1/4



Black - Phillips Round Washer Head Tek Screws

	#8 Diameter	#10 Diameter
1/2"	33855-B	33859-B
5/8"		
3/4"	33856-B	33861-B
1"	33856-1B	33862-B
1-1/2"	33857-B	

Tek Screws

Hex Washer Head Tek

Part #	Dia	Length	Part #	Dia	Length	Part #	Dia	Length	Part #	Dia	Length
33829-1	8-18	1/2"	33830	10-16	1/2"	33838	12-14	3/4"	33846	1/4"-14	3/4"
33829-2	8-18	5/8"	33831	10-16	5/8"	33840	12-14	1"	33848	1/4"-14	1"
33829-3	8-18	3/4"	33832	10-16	3/4"	33841	12-14	1-1/4"	33850	1/4"-14	1-1/2"
33829-4	8-18	1"	33833	10-16	1"	33842	12-14	1-1/2"	33852	1/4"-14	2"
33829-1/4	8-18	1-1/4"	33834	10-16	1-1/4"	33842-2	12-14	2"	33852-2-1/2	1/4"-14	2-1/2"
33829	8-18	1-1/2"	33835	10-16	1-1/2"				33852-3	1/4"-14	3"
									33852-4	1/4"-14	4"



Hex Washer Head Tek Fine Thread

Part #	Dia.	Length
38870	6-20	3/8
33880	10-24	1/2
33881	10-24	5/8
33882	10-24	3/4

Countersunk Phillips Oval Head Finishing Screws w/#2 Drill Point

Part #	Length	Plating
A-11449	5/8"	CHROME
A-11450	3/7"	CHROME
A-11451	1"	CHROME
A-11452	1-1/4"	CHROME
A-11455	3/4"	PHOSPHATE
A-11460	3/4"	STA.BRO
A-11461	1"	STA.BRO
A-11462	1-1/4"	STA.BRO

Hex Washer Head Tek w/ Sealing Washer

Part #	Dia.	Length
33893	10-16	1-1/4
33894	14-14	1
33897	14-14	3

Deck & Drywall Screws



Phillips Washer Head Drywall Screws Un-Plated

Part #	Diameter	Length
30800	#8	9/16"
30801	#8	1 Phillips"



Phillips Bugle Head Drywall Screws Black

Part #	Diameter	Length
38706	#6	1"
38707	#6	1-1/8"
38708	#6	1-1/4"
38709	#6	1-5/8"
38710	#6	2"
38711	#8	2-1/2"
38712	#8	3"
38713	#10	4"
38714	#10	5"



Phillips Bugle Head Drywall Screw Black Coarse Thread

Part #	Diameter	Length
38720	#6	1-5/8"
38721	#6	2"
38723	#8	1-5/8"
38723-1	#8	2-1/2"
38724	#8	3"



Phillips Bugle Head Deck Screws Zinc Gold Plated

Part #	Dia.	Length
38800	6	1
38800-1	6	1-1/4
38801	6	1-5/8
38802	6	2
38803	8	2-1/2
38804	8	3
38804-1	10	4



Wood Screws

Phillips Flat Head Wood Screws

	#6 Diameter	#8 Diameter	#10 Diameter	#12 Diameter	#14 Diameter
1/2"	64800	64805			
3/4"	64801	64806	64812	64820	
1"	64802	64807	64813	64821	64830-2
1-1/4"	64803	64808	64814	64822	
1-1/2"	64804	64809	64815	64823	64830
1-3/4"		64810	64816		64831
2"		64811	64817	64824	64832
2-1/4"				64825	64833
2-1/2"		64811-2	64818	64826	64834
3"			64819	64827	64835
3-1/2"					64836
4"					64837



Slotted Wood Screws Round Head Zinc Plated Steel

	#2 Dia.	#4 Dia.	#5 Dia.	#6 Dia.	#8 Dia.	#10 Dia.	#12 Dia.	#14 Dia.
1/4"	64700	64705						
3/8"	64701	64706	64711	64720				
1/2"	64702	64707	64712	64721	64730	64750		
5/8"		64708	64713	64722	64731	64751		
3/4"		64709	64714	64723	64732	64752	64760	
7/8"				64724	64733	64753		
1"		64710	64715	64725	64734	64754	64761	64770
1-1/4"				64726	64735	64755	64762	
1-1/2"				64727	64736	64756	64763	64771
1-3/4"					64737	64757	64764	
2"				64728	64738	64758	64765	64772
2-1/2"					64739	64759	64766	64773
3"						64767	64774	



P

Slotted Flat Head Wood Screws Low Carbon Steel Super Bright Plated

	#4 Dia.	#6 Dia.	#8 Dia.	#10 Dia.	#12 Dia.	#14 Dia.	#16 Dia.
3/8"	35509						
1/2"	35510	35529	35551	35577			
3/4"	35512	35531	35553	35579	35590	35601	
1"	35514	35533	35555	35581	35592	35603	35615
1-1/4"	35515	35534	35556	35582	35593	35605	35616
1-1/2"		35535	35557		35594		
1-3/4"		35536	35558	35584	35595	35606	35617
2"		35537	35559	35585	35596	35607	35618
2-1/2"			35561	35586	35597	35608	35619
3"			35562	35587	35598	35609	35620
3-1/2"					35610	35621	
4"						35622	



Liner Screws

Part #	Diameter	Length
EC717090-07T	#10	3/4"
ECF8713668-06	#10	1"
EC400239-07T	#10	1-1/4"



Eye Bolts



Eye Bolts With Hex Nuts

Part #	Decibal Dia.	Thread Dia.	Overall Length	I.D. Eye	Stem Length	Thread Length
E2SA	.158	3/16	1-3/8	9/32	25/32	5/8
E2	.158	3/16	2	9/32	1-7/16	1-3/16
E4S2	.212	1/4	2	9/16	1-1/16	7/8
E4S3	.212	1/4	3	9/16	2	1-3/4
E4A	.212	1/4	4	9/16	3	2-3/4
E4B	.212	1/4	5	9/16	4	3-1/4
E4C	.212	1/4	6	9/16	5	3-1/4
E4D	.212	1/4	7	9/16	6	3-1/4
E4E	.212	1/4	8	9/16	7	3-1/4
E5A	.268	5/16	4	3/4	2-3/4	2-1/4
E5B	.268	5/16	5	3/4	3-3/4	3-1/4
E5C	.268	5/16	6	3/4	4-3/4	3-1/4
E5D	.268	5/16	7	3/4	5-3/4	3-1/4
E5E	.268	5/16	8	3/4	6-3/4	3-1/4
E6X	.328	3/8	3-3/4	5/8	2-1/2	2-1/4
E6	.328	3/8	4	1	2-3/8	2-1/8
E6A	.328	3/8	5	1	3-3/8	3-1/8
E6B	.328	3/8	6	1	4-3/8	3-1/4
E6C	.328	3/8	8	1	6-3/8	3-1/4

Bit Tips

Sold Individually



Socket Head Insert Bits 1/4" Hex Drive 1-1/4" Long

Part #	Hex Size	Cap Screw	Set Screw Size
124012	1/8"		1/4"
124016	5/32"	#10	5/16"
124028	1/4"	5/16"	1/2"
124032	5/16"	3/8"	5/8"
124013*	1/8"		1/4"
124017*	5/32"	#10	5/16"

* Tamper Proof



Torx Insert Bits 1/4" Hex Drive 1" Long

Part #	Tamper Proof Part #	Size
123002	123002TP	T6
123004	123004TP	T7
123006	123010	T8
123008	123011TP	T9
123012	123014	T10
123016	123016TP	T15
123020	123022	T20
123024	123026	T25
123028	123030	T27
123032	123034	T30
123036		T40



Torx Insert Bits 5/16" Hex Drive 1-1/4" Length

Part #	Size
123050	T30
123054	T40
T45	T45
T50	T50
T55	T55



Phillips Insert Bits

Part #	Length	Point Size	Hex Dia.
120004	1"	1	1/4"
120008	1"	2	1/4"
120012	1"	3	1/4"



Phillips Power Bits

Part #	Length	Point Size	Hex Dia.
112000	1-15/16"	1	1/4"
112004	1-15/16"	2	1/4"
112012	1-15/16"	3	1/4"
112020	2-3/4"	2	1/4"
112024	2-3/4"	3	1/4"
112032	3-1/2"	2	1/4"



Magnetic Nut-setters

Part #	Length	Hex Size	Socket Dia.
110004	2-9/16"	1/4"	7/19"
110020	2-9/16"	5/16"	1/2"
110036	2-9/16"	3/8"	9/16"
110060	1-7/8"	1/4"	7/16"
110076	1-7/8"	5/16"	1/2"
110084	1-7/8"	3/8"	9/16"



Clutch Bits

Part #	Point Size	Hex Dia.
126000	1/8"	1/4"
126008	3/16"	1/4"

Bit Tips Sold Individually



Phillips Insert Bits 5/16" Hex Shank

Part #	Length	Point Size	Hex Dia.
120052	1-1/4"	1	5/16"
120056	1-1/4"	2	5/16"
120060	1-1/4"	3	5/16"
120064	1-1/4"	4	5/16"



Adapters

Part #	Female Sq Drive	Overall Length	Hex Size Opeing
130100	1/4"	1"	1/4"
130104	3/8"	1-1/4"	
130108			5/16"



Slotted Insert Bits

Part #	Length	Screw Size	Blade Thickness	Blade Width
122000	1"	4F-5A	0.034	3/16"
122004	1"	6F-8A	0.040	7/32"
122008	1"	8F-10A	0.042	1/4"
122012	1"	10F-12A	0.046	9/32"
122016	1"	12F-14A	0.050	9/32"
122020	1"	14F-16A	0.055	9/32"
122024	1-1/4"	4F-5A	0.034	3/16"
122026	1-1/2"	4F-5R	0.034	3/16"
122028	1-1/4"	6F-8A	0.040	7/32"
122030	1-1/2"	6F-8R	0.040	7/32"
122032	1-1/4"	8F-10A	0.042	1/4"
122036	1-1/4"	10F-12A	0.046	9/32"
122038	1-1/2"	10F-12R	0.046	9/32"
122040	1-1/4"	12F-14A	0.050	9/32"
122042	1-1/2"	12F-14R	0.050	9/32"

The Uni Kit

Part # 96000

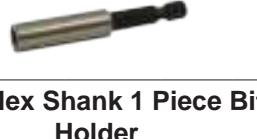
Sturdy Plastic Box Containing:

Style	Sizes	Style	Sizes
Phillips	0, 1, 2, 3	Socket Head	5/64, 3/32, 1/8, 5/32, 3/16
Slotted	4-5, 6-8, 8-10, 10-12, 12-14	Extension	1/4 Hex X 1/4 Sq.
Sq. Recess	0, 1, 2, 3	Bit Holder	1/4 X 1/4 Magnetic
Torx	10, 15, 20, 25, 30, 40	Screw Driver	7-9/16" OAL w/Storage Capacity
Clutch	1/8, 5/32		



Phillips Insert Bits Reduced Diameter Series

Part #	Length	Point Size	Hex Dia.
120038	1	1	1/4"
120040	1	2	1/4"
120044	2	2	1/4"



Square Insert Bits 1" Long

Part #	Point Size	Tip Dia.
121000	1	0.091
121004	2	0.112
121008	3	0.135



Part #	Screw Size	Hex Dia.
114012	6F-8R	1/4"
114016	8F-10R	1/4"
114020	10F-12R	1/4"

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Socket Head Cap Screws

Diameter #4 - 3/32" KEY

Part #			
Length	USS #4-40	SAE	Qty
1/4"	33572-1/4		100
3/8"	33572-3/8		100
1/2"	33572-1/2		100
3/4"	33572-3/4		100
1"	33572-1		100

Diameter #5 - 3/32" KEY

Part #			
Length	USS #5-40	SAE	Qty
1/4"	33573-1/4		100

Diameter #6 - 7/64" KEY

Part #			
Length	USS #6-32	SAE	Qty
1/4"	38575		100
3/8"	38576		100
1/2"	38577		100
5/8"	38577-1		100
3/4"	38579		100
1"	38580		100
1-1/4"	38581		100
1-1/2"	38581-1		100

Diameter #8 - 9/64" KEY

Part #			
Length	USS #8-24	SAE #8-32	Qty
1/4"	38582		100
3/8"	38583		100
1/2"	38584	40203	100
5/8"	38585		100
3/4"	38586		100
1"	38587		100
1-1/4"	38588		100
1-1/2"	38588-1		100

Diameter #10 - 5/32" KEY

Part #			
Length	USS #10-24	SAE #10-32	Qty
3/8"	38589-1	40210	100
1/2"	38590	40211	100
5/8"	38591	40212	100
3/4"	38592	40213	100
7/8"	38592-1	40212-1	100
1"	38593	40214	100
1-1/4"	38593-1	40215	100
1-1/2"	38594	40216	100
2"	38595	40216-2	100

Diameter 3/8"- 5/16" KEY

Part #			
Length	USS 3/8-16	SAE 3/8-24	Qty
1/2"	33630	40236	100
5/8"	33631		100
3/4"	33632	40237	100
7/8"	33633		100
1"	33634	40238	100
1-1/4"	33635	40239	100
1-1/2"	33636	40240	100
1-3/4"	33637	40241	100
2"	33638	40242	100
2-1/4"	33639	40244	100
2-1/2"	33640		100
3"	33642		100
3-1/4"	33642-2		100
3-1/2"	33642-1		100
4"	33643		100
5"	33643-2		100

Diameter 1/4" - 3/16" KEY

Part #			
Length	USS 1/4-20	SAE 1/4-28	Qty
3/8"	33599-9	40126-9	100
1/2"	33600	40217	100
5/8"	33601		100
3/4"	33602	40218	100
7/8"	33603	40218-1	100
1"	33604	40219	100
1-1/4"	33605	40220	100
1-1/2"	33606	40221	100
1-3/4"	33607	40222	100
2"	33608	40223	100
2-1/4"	33609	40224	100
2-1/2"	33610		100
2-3/4"	33611		100
3"	33612	40227	100
4-1/2"	33613	40228	100

Diameter 7/16"- 3/8" KEY

Part #			
Length	USS 7/16-14	SAE 7/16-20	Qty
1/2"	33644		100
5/8"	33644-1		100
3/4"	33645	40244-7	100
7/8"	33645-2		100
1"	33646	40244-9	100
1-1/4"	33647-1	40244-10	100
1-1/2"	33648	40244-11	100
1-3/4"	33649		100
2"	33650	40246	100
2-1/4"	33650-2		100
2-1/2"	33652		100
2-3/4"	33652-2		100
3"	33654		100

Diameter 5/16"- 1/4" KEY

Part #			
Length	USS 5/16-18	SAE 5/16-24	Qty
1/2"	33615	40224-4	100
5/8"	33616		100
3/4"	33617	40224-5	100
7/8"	33618		100
1"	33619	40224-6	100
1-1/4"	33620	40224-7	100
1-1/2"	33621	40224-8	100
1-3/4"	33622		100
2"	33623	40224-11	100
2-1/4"	33624		100
2-1/2"	33625	40235-1	100
2-3/4"	33625-1		100
3"	33627		100
3-1/2"	33627-3		100



Socket Head Cap Screws

Diameter 1/2"- 3/8" KEY

		Part #	
Length	USS 1/2-13	SAE 1/2-20	Qty
1/2"	33660-1		100
5/8"	33660-2		100
3/4"	33660		100
1"	33662	40256	100
1-1/4"	33663	40257	100
1-1/2"	33664	40258	100
1-3/4"	33665		100
2"	33666	40260	100
2-1/4"	33667		100
2-1/2"	33668	40264	100
3"	33670		100
3-1/2"	33672		100
4"	33674		100
5"	33676	40269	100

Diameter 5/8"- 1/2" KEY

		Part #	
Length	USS 5/8-11	SAE 5/8-18	Qty
1-1/2"	33682		100
1-3/4"	33682-2		100
2"	33683		100
2-1/2"	33683-2	40275	100
2-3/4"	33685	40276	100
3"	33685-2		100
3-1/2"	33686	40278	100
4"	33686-3-1/2	40279	
4-1/2"		40280	
5"	33686-5		100

Diameter 3/4"- 5/8" KEY

		Part #	
Length	USS 3/4-10	SAE 3/4-16	Qty
1-1/4"		40282	100
1-1/2"	33691	40283	100
2"	33693		100
2-1/4"		40285	100
2-1/2"	33695-1	40286	100
3"	33697-1	40287	100
3-1/2"	33697-2	40288	100
4"	33697-3	40289	100
4-1/2"	33699-4-1/2	40290	100
5"	33699-5	40291	100



Taper Pins Micro Finish

Sold Individually



Size 0

Part #	Size
HT0024	0 X 3/4"
HT0032	0 X 1"
HT0040	0 X 1-1/4"
HT0048	0 X 1-1/2"
HT0056	0 X 1-3/4"
HT0064	0 X 2"

Size 1

Part #	Size
HT1024	1 X 3/4"
HT1032	1 X 1"
HT1040	1 X 1-1/4"
HT1048	1 X 1-1/2"
HT1056	1 X 1-3/4"
HT1064	1 X 2"
HT1080	1 X 2-1/2"
HT1096	1 X 3"

Size 2

Part #	Size
HT2024	2 X 3/4"
HT2032	2 X 1"
HT2040	2 X 1-1/4"
HT2048	2 X 1-1/2"
HT2056	2 X 1-3/4"
HT2064	2 X 2"
HT2080	2 X 2-1/2"
HT2096	2 X 3"

Size 3

Part #	Size
HT3024	3 X 3/4"
HT3032	3 X 1"
HT3040	3 X 1-1/4"
HT3048	3 X 1-1/2"
HT3064	3 X 2"
HT3080	3 X 2-1/2"
HT3096	3 X 3"

Size 4

Part #	Size
HT4032	4 X 1"
HT4040	4 X 1-1/4"
HT4048	4 X 1-1/2"
HT4056	4 X 1-3/4"
HT4064	4 X 2"
HT4080	4 X 2-1/2"
HT4096	4 X 3"
HT4128	4 X 4"

Size 5

Part #	Size
HT5032	5 X 1"
HT5048	5 X 1-1/2"
HT5064	5 X 2"
HT5080	5 X 2-1/2"
HT5096	5 X 3"
HT5128	5 X 4"



Socket Head Shoulder Screws



Sold Individually

1/4" Diameter

Part #	Length
ASO300	3/8"
ASO301	1/2"
ASO302	5/8"
ASO303	3/4"
ASO304	1"
ASO305	1-1/4"

5/16" Diameter

Part #	Length
ASO312	1/2"
ASO314	3/4"
ASO316	1"

3/8" Diameter

Part #	Length
ASO325	1"
ASO326	1-1/4"



Square Head Set Screws

Sold Individually

1/4"-20 Dia.	
Part #	Length
32725	1/2"
32727	3/4"
32728	1"
32729	1-1/4"

5/16"-18 Dia	
Part #	Length
32733	1/2"
32735	3/4"
32735-1	7/8"
32736	1"
32737	1-1/4"
32738	1-1/2"
32739	1-3/4"
32740	2"

3/8"-16 Dia.	
Part #	Length
32743	1/2"
32744	5/8"
32745	3/4"
32746	1"
32747	1-1/4"
32748	1-1/2"
32749	1-3/4"
32750	2"
32751	2-1/2"
32752	3"
32753	4"

7/16"-14 Dia.	
Part #	Length
32754	3/4"
32755	1"
32756	1-1/4"
32757	1-1/2"
32758	1-3/4"
32760	2"

1/2"-13 Dia.	
Part #	Length
32762	1/2"
32763	3/4"
32764	1"
32765	1-1/4"
32766	1-1/2"
32768	2"
32770	2-1/2"
32772	3"
32773	4"
32774	6"

5/8"-11 Dia.	
Part #	Length
32775	3/4"
32776	1"
32777	1-1/4"
32778	1-1/2"
32779	1-3/4"
32780	2"

Button Head Cap Screws Black Lustre Finish

Diameter #4 - 1/16" KEY			
Part #			
Length	USS #4-40	SAE	Qty
1/2"	40855		100

Diameter #6 - 5/64" KEY			
Part #			
Length	USS #6-32	SAE	Qty
1/4"	40858-1		100
3/8"	40858		100
1/2"	40859		100
5/8"	40860		100

Diameter #8 - 3/32" KEY			
Part #			
Length	USS #8-32	SAE	Qty
1/4"	40862-1/4		100
3/8"	40862-3/8		100
1/2"	40862		100
3/4"	40862-3/4		100
1"	40862-1		100



Diameter #10 - 1/8" KEY

Diameter #10 - 1/8" KEY			
Part #			
Length	USS #10-24	SAE #10-32	Qty
1/4"	40864		100
3/8"	40865		100
1/2"	40865-1	40867-1	100
3/4"	40866	40867-2	100

Diameter 1/4" - 5/32" KEY

Diameter 1/4" - 5/32" KEY			
Part #			
Length	USS 1/4-20	SAE 1/4-28	Qty
1/2"	40876-1/2		
5/8"	40876		
3/4"	40877		
1"	40878		

Diameter 1/2" - 5/16" KEY

Diameter 5/16" - 3/16" KEY			
Part #			
Length	USS 5/16-18	SAE 5/16-24	Qty
1/2"	40879		100
3/4"	40880		
1"	40881		

Diameter 3/8" - 7/32" KEY			
Part #			
Length	USS 3/8-16	SAE 3/8-24	Qty
3/4"	40883		
1"	40887		

Diameter 1/2" - 5/16" KEY			
Part #			
Length	USS 1/2-13	SAE 1/2-20	Qty
1"	40885		100



Allen Head Set Screws

Diameter #6 - 1/16" KEY

	Part #		
Length	USS #6-32	SAE #6-40	Qty
1/8"	40500	40503-1/8	100
3/16"	40501	40503-3/16	100
1/4"	40502		100
5/16"	40502-1		100
3/8"	40502-2		100
1/2"	40502-3		100

Diameter #8 - 5/64" KEY

	Part #		
Length	USS #8-32	SAE #8-36	Qty
1/8"	40504		100
3/16"	40505	40509-3/16	100
1/4"	40506	40509-1/4	100
5/16"	40506-1		100
3/8"	40506-2		100
1/2"	40507		100
3/4"	40508		
1"	40508-1		

Diameter #10 - 3/32" KEY

	Part #		
Length	USS #10-24	SAE #10-32	Qty
3/16"	40510	40515	100
1/4"	40511	40516	100
5/16"	40511-1	40516-1	100
3/8"	40512	40517	100
1/2"	40513	40518	100
5/8"	40514	40518-1	100
3/4"	40514-1	40518-2	100
1"	40514-2	40518-3	100
1-1/4"	40514-3		100

Diameter 1/4" - 1/8" KEY

	Part #		
Length	USS 1/4-20	SAE 1/4-28	Qty
3/16"	40519		100
1/4"	40520	40528	100
5/16"	40521	40526	100
3/8"	40522	40527	100
1/2"	40523	40528	100
5/8"	40523-1	40528-1	100
3/4"	40524	40528-2	100
1"	40524-1	40528-3	100

Diameter 7/16" - 7/32" KEY

	Part #		
Length	USS 7/16-14	SAE 7/16-20	Qty
7/16"	40549-1		100
1/2"	40549-2	40550	100
3/4"		40551	100
1"		40552	100
1-1/4"		40552-1	100
1-1/2"		40552-1-1/2	100

Diameter 5/16" - 5/32" KEY

	Part #		
Length	USS 5/16-18	SAE 5/16-24	Qty
1/4"	40529	40535-1	100
5/16"	40530	40535	100
3/8"	40531	40536	100
1/2"	40532	40537	100
5/8"	40532-1	40537-1	100
3/4"	40533	40537-2	100
1"	40534	40539	100
1-1/4"	40534-1	40539-1	100

Diameter 1/2" - 1/4" KEY

	Part #		
Length	USS 1/2-13	SAE 1/2-20	Qty
1/2"	40555	40560	100
5/8"	40555X		100
3/4"	40556	40561	100
1"	40557	40562	100
1-1/4"	40557-1-1/4		100
1-1/2"	40557-1		100
2"	40557-2		

Diameter 3/8" - 3/16" KEY

	Part #		
Length	USS 3/8-16	SAE 3/8-24	Qty
1/4"	40540-1		100
5/16"	40540-2		100
3/8"	40540	40545	100
1/2"	40541	40546	100
5/8"	40541-1		100
3/4"	40542	40547	100
1"	40543	40548	100
1-1/4"	40543-1		
1-1/2"	40543-1-1/2		
1-3/4"	40543-1-3/4		
2"	40543-2		
2-1/2"	40544		

Diameter 5/8" - 5/16" KEY

	Part #		
Length	USS 5/8-11	SAE 5/8-18	Qty
1/2"	40566-1/2		100
3/4"	40566		100
1"	40567	40572	100
2"	40567-2		100
2-1/2"	40567-2-1/2		100
3"	40567-3		100



Flat Socket Head Cap Screws

Diameter #4 - 1/16" KEY			
	Part #		
Length	USS #4-40	SAE	Qty
1/4"	36898		100
1/2"	36898-1		100



- Alloy Steel
- Multiple Heat Treated
- Exceeds Grade 8 Requirements

Diameter #5 - 5/64" KEY			
	Part #		
Length	USS #5-40	SAE	Qty
1/4"	36899		100

Diameter #6 - 5/64" KEY			
	Part #		
Length	USS #6-32	SAE	Qty
1/4"	36899-5		100
1/2"	36900		
3/4"	36901		

Diameter #8 - 3/32" KEY			
	Part #		
Length	USS #8-32	SAE	Qty
3/8"	36902		100
1/2"	36903		
5/8"	36903-1		
3/4"	36904		
7/8"	36904-1		
1"	36905		

Diameter #10 - 1/8" KEY			
	Part #		
Length	USS #10-24	SAE #10-32	Qty
1/4	36905-4	36811	100
3/8	36905-5	36812-1	
1/2	36906		
5/8	36906-1		
3/4	36907		
1	36908	36911	
1-1/4	36908-1	36911-2	
1-1/2	36909	36911-1	

Diameter 1/4" - 5/32" KEY			
	Part #		
Length	USS 1/4-20	SAE 1/4-28	Qty
1/2	36814-1	36817-1	100
5/8	36814-2		
3/4	36814	36817-2	
1	36815	36817-3	
1-1/4	36815-1		
1-1/2	36817		

Diameter 5/16" - 3/16" KEY			
	Part #		
Length	USS 5/16-18	SAE 5/16-24	Qty
1/2	36821	36872-1	100
5/8	36822		
3/4	36823	36872-2	
1	36824	36872-3	
1-1/4	36825	36872-4	
1-1/2	36825-1	36872-5	
2	36825-2		

Diameter 3/8" - 7/32" KEY			
	Part #		
Length	USS 3/8-16	SAE 3/8-24	Qty
1/2	36832		100
3/4	36833	36873	
1	36834	36874	
1-1/4	36835	36875	
1-1/2	36836	36876	
1-3/4	36837		
2	36838		
2-1/2	36840		



Allen Wrenches

Sold Individually

Allen Wrenches

Short Part #	Long Part #	Set Screw Size	Socket Head Size	Key Size	Length
32379S-1/8	32379-1/8	1/4	8	1/8	3-13/16
32379S-5/32	32379-5/32	5/16	10	5/32	4-3/16
32379S-3/16	32379-3/16	3/8	1/4	3/16	4-5/8
32379S-5/16	32379-5/16	5/8	3/8 & 7/16	5/16	6-1/4
32379S-1/2	32379-1/2	7/8	5/8	1/2	8-3/4
32379S-5/8	32379-5/8	1-1/4 & 1-3/8	3/4	5/8	10-1/2
32379S-9/16	32379-9/16	1		9/16	
32379S-7/32	32379-7/32	7/16	5/16	7/32	5-1/16
32379S-1/4	32379-1/4	1/2 X 9/16		1/4	5-3/8
32379S-7/16	32379-7/16				7/16

#3 Dome Head Plow Bolts Grade 5

7/16" Diameter

Part #	Length
33725	1-1/4"
33725-2	1-1/2"
33725-3	1-3/4"
33725-4	2"
33725-6	2-1/2"
33725-7	3"
33725-8	3-1/2"



1/2" Diameter

Part #	Length
33726-1	1-1/2"
33726-2	1-3/4"
33726-3	2"
33726-5	2-1/4"
33726-21/2	2-1/2"
33726-6	2-3/4"
P60109	3"
33726-4	3-1/2"
33727	4"

#3 Dome Head Plow Bolts Grade 8

5/8" Diameter

Part #	Length
37778	2"
37779	2-1/4"
37780	2-1/2"
37782	3"
37784	3-1/2"
37785	4"
37786	5"
37787	5-1/2"



7/8" Diameter

Part #	Length
37800	2-1/2"
37801	3"
37802	3-1/2"
37803	4"
37804	4-1/2"

3/4" Diameter

Part #	Length
37788	2"
37789	2-1/4"
37790	2-1/2"
37792	3"
37794	3-1/2"
37796	4"

1" Diameter

Part #	Length
37810-1	2-1/2"
37811	3"



Wheel Nuts



Inner Nut



Outer Nut

Wheel Nuts

Part #	Description
M-126	Right Hand Outer
M-128	Right Hand Inner
M-127	Left Hand Outer
M-129	Left Hand Inner

Muffler Clamps

Muffler Clamps

Part #	Description
MC1-1/4	1-1/4"
MC1-1/2	1-1/2"
MC1-5/8	1-5/8"
MC1-3/4	1-3/4"
MC1-7/8	1-7/8"
MC2	2"
MC2-1/8	2-1/8"
MC2-1/4	2-1/4"
MC2-1/2	2-1/2"
MC2-3/4	2-3/4"
MC3	3"
MC3-1/2	3-1/2"
MC4	4"





PFC 9

Built Tough To Last

Born from special alloy steels and critically monitored heat treatments, the PFC9 Fastening System is tough enough to withstand over 180,000 PSI. Wherever severe loads, extreme vibration or undue wear and tear threatens the failure of lesser bolts, the PFC9 will hold fast and sure.

1/4" Diameter - 7/16" Wrench

Part #			
Length	USS 1/4-20	SAE 1/4-28	Qty
1/2"	91000	91500	
3/4"	91001	91501	
1"	91002	91502	
1-1/4"	91003	91503	
1-1/2"	91004	91504	
1-3/4"	91005	91505	
2"	91006	91506	
2-1/2"	91007	91507	
3"	91008	91508	
3-1/2"	91009		
4"	91010		

5/16" Diameter - 1/2" Wrench

Part #			
Length	USS 5/16-18	SAE 5/16-24	Qty
1/2"	91020	91520	
3/4"	91021	91521	
1"	91022	91522	
1-1/4"	91023	91523	
1-1/2"	91024	91524	
1-3/4"	91025	91525	
2"	91026	91526	
2-1/2"	91027	91527	
3"	91028	91528	
3-1/2"	91029	91529	
4"	91030		

3/8" Diameter - 9/16" Wrench

Part #			
Length	USS 3/8-16	SAE 3/8-24	Qty
1/2"	91040	91540	
3/4"	91041	91541	
1"	91042	91542	
1-1/4"	91043	91543	
1-1/2"	91044	91544	
1-3/4"	91045	91545	
2"	91046	91546	
2-1/4"	91047	91547	
2-1/2"	91048	91548	
2-3/4"	91049	91549	
3"	91050	91550	
3-1/2"	91051	91551	
4"	91052		
4-1/2"	91053		
5"	91054		

9/16" Diameter - 3/4" Diameter

Part #			
Length	USS 9/16-12	SAE 9/16-18	Qty
1-1/2"	91100	91600	
2"	91101	91601	
2-1/2"	91102	91602	
3"	91103	91603	
3-1/2"	91104	91604	
4"	91105	91605	

7/16" Diameter - 5/8" Wrench

Part #			
Length	USS 7/16-14	SAE 7/16-20	Qty
3/4"	91060		
1"	91061	91561	
1-1/4"	91062	91562	
1-1/2"	91063	91563	
1-3/4"	91064	91564	
2"	91065	91565	
2-1/2"	91067	91567	
3"	91068	91568	
3-1/2"	91069		
4"	91070		

5/8" Diameter - 15/16" Wrench

Part #			
Length	USS 5/8-11	SAE 5/8-18	Qty
1"	91110	91610	
1-1/4"	91111	91611	
1-1/2"	91112	91612	
1-3/4"	91113	91613	
2"	91114	91614	
2-1/4"	91115	91615	
2-1/2"	91116	91616	
2-3/4"	91117	91617	
3"	91118	91618	
3-1/2"	91119	91619	
4"	91120	91620	
4-1/2"	91120-1	91620-1	
5"	91121	91621	
5-1/2"	91122		
6"	91123		

1/2" Diameter - 3/4" Wrench

Part #			
Length	USS 1/2-13	SAE 1/2-20	Qty
1"	91080	91580	
1-1/4"	91081	91581	
1-1/2"	91082	91582	
1-3/4"	91083	91583	
2"	91084	91584	
2-1/4"	91085	91585	
2-1/2"	91086	91586	
3"	91087	91587	
3-1/2"	91088	91588	
4"	91089	91589	
4-1/2"	91090		
5"	91091		
5-1/2"	91092		
6"	91093		

3/4" Diameter - 1-1/8" Wrench

Part #			
Length	USS 3/4-10	SAE 3/4-16	Qty
1-1/2"	91130	91630	
1-3/4"	91131	91631	
2"	91132	91632	
2-1/4"	91133	91633	
2-1/2"	91134	91634	
2-3/4"	91135	91635	
3"	91136	91636	
3-1/2"	91137	91637	
4"	91138	91638	
4-1/2"	91139	91639	
5"	91140	91640	
5-1/2"	91141		
6"	91142		

Q

Q-1



PFC 9 Thick Hex Nuts

USS Hex Nuts

Part #	Size - T.P.I.	Qty
91300	1/4-20	100
91301	5/16-18	100
91302	3/8-16	50
91303	7/16-14	50
91304	1/2-13	25
91305	9/16-12	25
91306	5/8-11	25
91307	3/4-10	25
91308	7/8-9	
91309	1-8	



SAE Hex Nuts

Part #	Size - T.P.I.	Qty
91800	1/4-28	100
91801	5/16-24	100
91802	3/8-24	50
91803	7/16-20	50
91804	1/2-20	25
91805	9/16-18	25
91806	5/8-18	25
91807	3/4-16	25
91808	7/8-14	
91809	1-14	

PFC 9 Thick Washers



USS Washers

Part #	Bolt	O.D.	I.D.	Thickness	Qty
56765/HD	1/4"	3/4"	5/16"	.050-.074	100
56766/HD	5/16"	7/8"	3/8"	.050-.074	100
56767/HD	3/8"	1"	7/16"	.105-.098	50
56768/HD	7/16"	1-1/4"	1/8"	.105-.098	50
56769/HD	1/2"	1-3/8"	9/16"	.129-.122	25
56770/HD	9/16"	1-1/2"	5/8"	.129-.122	25
56771/HD	5/8"	1-3/4"	11/16"	.152-.145	25
56772/HD	3/4"	2"	13/16"	.190-.183	25
56773/HD	7/8"	2-1/2"	15/16"	.190-.183	
56774/HD	1"	2-1/2"	1-1/16"	.190-.183	



SAE Washers

Part #	Bolt	O.D.	I.D.	Thickness	Qty
56701/HD	1/4"	5/8"	9/32"	.050-.074	100
56702/HD	5/16"	11/16"	11/32"	.050-.074	100
56703/HD	3/8"	13/16"	13/32"	.105-.098	50
56704/HD	7/16"	59/64"	15/32"	.105-.098	50
56705/HD	1/2"	1-1/16"	17/32"	.129-.122	25
56706/HD	9/16"	1-3/16"	19/32"	.129-.122	25
56707/HD	5/8"	1-5/16"	21/32"	.152-.145	25
56708/HD	3/4"	1-1/2"	13/16"	.190-.183	25
56709/HD	7/8"	1-3/4"	15/16"	.190-.183	
56710/HD	1"	2"	1-1/16"	.190-.183	

Extra Thick Alloy Flat Washers

SAE Extra Thick Washers

Part #	Bolt Size	O.D.	I.D.	Thickness	Qty
6501-HD	1/4"	5/8"	9/32"	.09	100
6502-HD	5/16"	11/16"	11/32"	.09	100
6503-HD	3/8"	13/16"	13/32"	.11	50
6504-HD	7/16"	15/16"	15/32"	.11	50
6505-HD	1/2"	1-1/16"	17/32"	.20	25
6506-HD	9/16"	1-3/16"	19/32"	.20	25
6507-HD	5/8"	1-5/16"	21/32"	.25	25
6508-HD	3/4"	1-1/2"	13/16"	.25	25
6509-HD	7/8"	1-3/4"	15/16"	.25	
6510-HD	1"	2"	1-1/8"	.25	



• Special High Strength Alloy Steel

• Zinc Plated Yellow Dichromate Finish

• Multiple Heat Treated

Through heat treats and baked exceeds all ASTM A325 and A-490 specifications. Eliminates bolt failure cause by ordinary flat washers "Dishing Out" and allowing assembly to vibrate loose.



HHCS Grade 8 Alloy

- Manufactures to SAE J-429 Specifications
 - Zinc Yellow Plated
- Manufactured In America With Uncompromising Quality



1/4" Diameter - 7/16" Wrench

	Part #		
Length	USS 1/4-20	SAE 1/4-28	Qty
1/2"	81000	81500	100
3/4"	81001	81501	50
1"	81002	81502	50
1-1/4"	81003	81503	25
1-1/2"	81004	81504	25
1-3/4"	81005	81505	25
2"	81006	81506	25
2-1/2"	81007	81507	25
3"	81008	81508	25
3-1/2"	81009	81509	
4"	81010	81510	
5"	81011	81511	
6"	81012		

5/16" Diameter - 1/2" Wrench

	Part #		
Length	USS 5/16-18	SAE 5/16-24	Qty
1/2"	81020	81520	25
3/4"	81021	81521	25
1"	81022	81522	25
1-1/4"	81023	81523	25
1-1/2"	81024	81524	25
1-3/4"	81025	81525	25
2"	81026	81526	25
2-1/2"	81027	81527	
3"	81028	81528	
3-1/2"	81029	81529	
4"	81030	81530	
5"	81031	81531	
6"	81033		

3/8" Diameter - 9/16" Wrench

	Part #		
Length	USS 3/8-16	SAE 3/8-24	Qty
1/2"	81040	81540	25
3/4"	81041	81541	25
1"	81042	81542	25
1-1/4"	81043	81543	25
1-1/2"	81044	81544	25
1-3/4"	81045	81545	25
2"	81046	81546	25
2-1/4"	81047	81547	
2-1/2"	81048	81548	
2-3/4"	81049	81549	
3"	81050	81550	
3-1/2"	81051	81551	
4"	81052	81552	
4-1/2"	81053	81553	
5"	81054	81554	
5-1/2"	81055	81555	
6"	81056	81556	

9/16" Diameter - 7/8" Wrench

	Part #		
Length	USS 9/16-12	SAE 9/16-18	QTY
1-1/2"	81100	81600	
2"	81101	81601	
2-1/2"	81102	81602	
3"	81103	81603	
3-1/2"	81104	81604	
4"	81105	81605	
5"	81106	81606	

7/16" Diameter - 5/8" Wrench

	Part #		
Length	USS 7/16-14	SAE 7/16-20	Qty
3/4"	81060	81560	25
1"	81061	81561	25
1-1/4"	81062	81562	25
1-1/2"	81063	81563	25
1-3/4"	81064	81564	
2"	81065	81565	
2-1/2"	81067	81567	
3"	81068	81568	
3-1/2"	81069	81569	
4"	81070	81570	

5/8" Diameter - 15/16" Wrench

	Part #		
Length	USS 5/8-11	SAE 5/8-18	Qty
1"	81110	81610	25
1-1/4"	81111	81611	25
1-1/2"	81112	81612	25
1-3/4"	81113	81613	25
2"	81114	81614	25
2-1/4"	81115	81615	
2-1/2"	81116	81616	
2-3/4"	81117	81617	
3"	81118	81618	
3-1/2"	81119	81619	
4"	81120	81620	
4-1/2"	81120-1	81620-1	
5"	81121	81621	
5-1/2"	81122	81622	
6"	81123	81623	
6-1/2"	81124		
7"	81125		
8"	81126		

1/2" Diameter - 3/4" Wrench

	Part #		
Length	USS 1/2-13	SAE 1/2-20	Qty
1"	81080	81580	25
1-1/4"	81081	81581	25
1-1/2"	81082	81582	25
1-3/4"	81083	81583	25
2"	81084	81584	25
2-1/4"	81085	81585	
2-1/2"	81086	81586	
3"	81087	81587	
3-1/2"	81088	81588	
4"	81089	81589	
4-1/2"	81090	81590	
5"	81091	81591	
5-1/2"	81092	81592	
6"	81093	81593	
6-1/2"	81094		
7"	81095		
8"	81096		

3/4" Diameter - 1-1/8" Wrench

	Part #		
Length	USS 3/4-10	SAE 3/4-16	Qty
1-1/2"	81130	81630	
1-3/4"	81131	81631	
2"	81132	81632	
2-1/4"	81133	81633	
2-1/2"	81134	81634	
2-3/4"	81135	81635	
3"	81136	81636	
3-1/2"	81137	81637	
4"	81138	81638	
4-1/2"	81139	81639	
5"	81140	81640	
5-1/2"	81141	81641	
6"	81142	81642	
6-1/2"	81143		
7"	81144		
8"	81145		

Q



7/8" Diameter - 1-5/16" Wrench

	Part #		
Length	USS 7/8-9	SAE 7/8-14	Qty
2"	81162	81662	
2-1/2"	81164	81664	
3"	81166	81666	
3-1/2"	81168	81668	
4"	81170	81670	
4-1/2"	81171	81671	
5"	81172	81672	
5-1/2"	81173	81673	
6"	81174	81674	
7"	81174-7		
8"	81174-8		

HHCS Grade 8 Alloy

- Manufactures to SAE J-429 Specifications
 - Zinc Yellow Plated
- Manufactured In America With Uncompromising Quality



1" Diameter - 1-1/2" Wrench

	Part #		
Length	USS 1-8	SAE 1-14	Qty
2"	81192	81692	
2-1/2"	81194	81694	
3"	81196	81696	
3-1/2"	81198	81698	
4"	81200	81700	
4-1/2"	81201	81701	
5"	81202	81702	
5-1/2"	81203	81703	
6"	81204	81704	
7"	81204-7		
8"	81204-8		

Heat Treated Grade 8 Hex Nuts

USS Hex Nuts

USS Part #	Size - T.P.I.	Qty
56601	1/4-20	100
56602	5/16-18	100
56603	3/8-16	50
56604	7/16-14	50
56605	1/2-13	25
56606	9/16-12	25
56607	5/8-11	25
56608	3/4-10	25
56609	7/8-9	
56610	1-8	
56611/1	1 1/8-7	
56612/1	1 1/4-7	
56613/1	1 1/2-6	



SAE Hex Nuts

SAE Part #	Size - T.P.I.	Qty
56611	1/4-28	100
56612	5/16-24	100
56613	3/8-24	50
56614	7/16-20	50
56615	1/2-20	25
56616	9/16-18	25
56617	5/8-18	25
56618	3/4-16	25
56619	7/8-14	
56620	1-14	
56621	1 1/8-12	
56622	1 1/4-12	
56623	1 1/2-12	

Hardened Flat Washers & Lock Washers



Flat Washer

	Part #		
Dia.	USS	SAE	Qty
1/4"	56765	56701	100
5/16"	56766	56702	100
3/8"	56767	56703	50
7/16"	56768	56704	50
1/2"	56769	56705	25
9/16"	56770	56706	25
5/8"	56771	56707	25
3/4"	56772	56708	25
7/8"	56773	56719	
1"	56774	56720	
1-1/8"	56775	56720-1/8	
1-1/2"	56774-1/2	56720-1/2	



Lock Washer

Part #	Size	Qty
56725	1/4"	100
56726	5/16"	100
56727	3/8"	50
56728	7/16"	50
56729	1/2"	25
56730	9/16"	25
56731	5/8"	25
56732	3/4"	25
56733	7/8"	
56734	1"	



Grade C All Metal Lock Nuts

USS Metal Lock Nuts

USS Part #	Size - T.P.I.	Qty
36780	1/4-20	100
36781	5/16-18	100
36782	3/8-16	50
36783	7/16-14	50
36784	1/2-13	25
36785	9/16-12	25
36786	5/8-11	25
36787	3/4-10	25
36788	7/8-9	
36789	1-8	
36790	1 1/8-7	
36791	1 1/4-7	
36791-1	1-3/8-6	
36792	1 1/2-6	



SAE metal Lock Nuts

SAE Part #	Size - T.P.I.	Qty
36795	1/4-28	100
36796	5/16-24	100
36797	3/8-24	50
36798	7/16-20	50
36799	1/2-20	25
36800	9/16-18	25
36801	5/8-18	25
36802	3/4-16	25
36803	7/8-14	
36804	1-14	
36805	1 1/8-12	
36806	1 1/4-12	
36807	1 1/2-12	

Grade 8 Nylon Lock Nuts

USS Nylock

USS Part #	Size - T.P.I.	Qty
36780N	1/4-20	100
36781N	5/16-18	100
36782N	3/8-16	50
36783N	7/16-14	50
36784N	1/2-13	25
36785N	9/16-12	25
36786N	5/8-11	25
36787N	3/4-10	25
36788N	7/8-9	
36789N	1-8	
36790N	1-1/8-7	
36791N	1-1/4-7	
36791-1N	1-3/8-6	
36792N	1-1/2-6	



SAE Nylock

SAE Part #	Size - T.P.I.	Qty
36795N	1/4-28	100
36796N	5/16-24	100
36797N	3/8-24	50
36798N	7/16-20	50
36799N	1/2-20	25
36800N	9/16-18	25
36801N	5/8-18	25
36802N	3/4-16	25
36803N	7/8-14	
36804N	1-14	



1/4" Diameter - 7/16" Wrench

	Part #		
Length	USS 1/4-20	SAE 1/4-28	Qty
1/2"	60000	61000	
3/4"	60002	61002	
1"	60004	61004	
1-1/4"	60005	61005	
1-1/2"	60006	61006	
1-3/4"	60007	61007	
2"	60008	61008	
2-1/2"	60010	61010	
3"	60012	61012	
3-1/2"	60014	61014	
4"	60016	61016	
4-1/2"	60018	61018	
5"	60020	61020	
6"	60021		

5/16" Diameter - 1/2" Wrench

	Part #		
Length	USS 5/16-18	SAE 5/16-24	Qty
1/2"	60025	61025	
3/4"	60027	61027	
1"	60029	61029	
1-1/4"	60030	61030	
1-1/2"	60031	61031	
1-3/4"	60032	61032	
2"	60033	61033	
2-1/4"	60034	61034	
2-1/2"	60035	61035	
3"	60037	61037	
3-1/2"	60039	61039	
4"	60040	61040	
4-1/2"	60041	61041	
5"	60042	61042	
6"	60044		

3/8" Diameter - 9/16" Wrench

	Part #		
Length	USS 3/8-16	SAE 3/8-24	Qty
1/2"	60050	61050	
3/4"	60052	61052	
1"	60054	61054	
1-1/4"	60055	61055	
1-1/2"	60056	61056	
1-3/4"	60057	61057	
2"	60058	61058	
2-1/4"	60059	61059	
2-1/2"	60060	61060	
2-3/4"	60061	61061	
3"	60062	61062	
3-1/2"	60064	61064	
4"	60066	61066	
4-1/2"	60067	61067	
5"	60068	61068	
6"	60070	61070	

Hex Cap Screws Grade 5



7/16" Diameter - 5/8" Wrench

	Part #		
Length	USS 7/16-14	SAE 7/16-20	Qty
3/4"	60080	61080	
1"	60081	61081	
1-1/4"	60082	61082	
1-1/2"	60083	61083	
1-3/4"	60084	61084	
2"	60085	61085	
2-1/2"	60087	61087	
3"	60089	61089	
4"	60091	61091	

9/16" Diameter - 7/8" Wrench

	Part #		
Length	USS 9/16-12	SAE 9/16-18	Qty
1-1/2"	60130	61130	
2"	60132	61132	
2-1/2"	60134	61134	
3"	60136	61136	
3-1/2"	60138	61138	
4"	60140	61140	
5"	60142	61142	

5/8" Diameter - 15/16" Wrench

	Part #		
Length	USS 5/8-11	SAE 5/8-18	Qty
1"	60150	61150	
1-1/4"	60151	61151	
1-1/2"	60152	61152	
1-3/4"	60153	61153	
2"	60154	61154	
2-1/4"	60155	61155	
2-1/2"	60156	61156	
2-3/4"	60157	61157	
3"	60158	61158	
3-1/2"	60160	61160	
4"	60162	61162	
4-1/2"	60163	61163	
5"	60164	61164	
5-1/2"	60165	61165	
6"	60166	61166	

1/2" Diameter - 3/4" Wrench

	Part #		
Length	USS 1/2-13	SAE 1/2-20	Qty
3/4"	60100	61100	
1"	60101	61101	
1-1/4"	60102	61102	
1-1/2"	60103	61103	
1-3/4"	60104	61104	
2"	60105	61105	
2-1/4"	60106	61106	
2-1/2"	60107	61107	
2-3/4"	60108	61108	
3"	60109	61109	
3-1/2"	60111	61111	
4"	60113	61113	
4-1/2"	60114	61114	
5"	60115	61115	
5-1/2"	60116	61116	
6"	60117	61117	

3/4" Diameter - 1-1/8" Wrench

	Part #		
Length	USS 3/4-10	SAE 3/4-16	Qty
1-1/2"	60175	61175	
1-3/4"	60176	61176	
2"	60177	61177	
2-1/4"	60178	61178	
2-1/2"	60179	61179	
2-3/4"	60180	61180	
3"	60181	61181	
3-1/2"	60183	61183	
4"	60185	61185	
4-1/2"	60186	61186	
5"	60187	61187	
5-1/2"	60188	61188	
6"	60189	61189	



Hex Cap Screws Grade 5

7/8" Diameter - 1-5/16" Wrench

	Part #		
Length	USS 7/8-9	SAE 7/8-14	Qty
1-1/2"	60200	61200	
2"	60202	61202	
2-1/4"	60203	61203	
2-1/2"	60204	61204	
2-3/4"	60205	61205	
3"	60206	61206	
3-1/2"	60208	61208	
4"	60210	61210	
4-1/2"	60212	61212	
5"	60213	61213	
5-1/2"	60214	61214	
6"	60215	61215	
7"	60215-7		
8"	60215-8		



1" Diameter - 1-1/2" Wrench

	Part #		
Length	USS 1-8	SAE 1-14	Qty
2"	60220	61220	
2-1/2"	60222	61222	
3"	60224	61224	
3-1/2"	60226	61226	
4"	60228	61228	
4-1/2"	60230	61230	
5"	60231	61231	
5-1/2"	60232	61232	
6"	60233	61233	
7"	60233-7		
8"	60233-8		

Grade 5 Hex Finished Hex Nuts Steel Zinc Plated

USS Hex Nuts

USS Part #	Size - T.P.I.	Qty
55001	1/4-20	100
55002	5/16-18	100
55003	3/8-16	50
55004	7/16-14	50
55005	1/2-13	25
55006	9/16-12	25
55007	5/8-11	25
55008	3/4-10	25
55009	7/8-9	
55010	1-8	



SAE Hex nuts

SAE Part #	Size - T.P.I.	Qty
55501	1/4-28	100
55502	5/16-24	100
55503	3/8-24	50
55504	7/16-20	50
55505	1/2-20	25
55506	9/16-18	25
55507	5/8-18	25
55508	3/4-16	25
55509	7/8-14	
55510	1-14	

Finished Hex Nuts Steel Zinc Plated

USS Hex Nuts

USS Part #	Size - T.P.I.	Qty
51201	1/4-20	100
51202	5/16-18	100
51203	3/8-16	50
51204	7/16-14	50
51205	1/2-13	25
51206	9/16-12	25
51207	5/8-11	25
51208	3/4-10	25
51209	7/8-9	
51210	1-8	
51221	1 1/8-7	
51222	1 1/4-7	
51223	1 1/2-6	



SAE Hex nuts

SAE Part #	Size - T.P.I.	Qty
51211	1/4-28	100
51212	5/16-24	100
51213	3/8-24	50
51214	7/16-20	50
51215	1/2-20	25
51216	9/16-18	25
51217	5/8-18	25
51218	3/4-16	25
51219	7/8-14	
51220	1-14	
51231	1 1/8-12	
51232	1 1/4-12	
51233	1 1/2-12	



Flat Washers & Lock Washers



Flat Washer

Part #			
Dia.	USS Part #	SAE Part #	Qty
#6		51428	100
#8		51429	100
#10	51400	51430	100
1/4"	51401	51431	100
5/16"	51402	51432	100
3/8"	51403	51433	50
7/16"	51404	51434	50
1/2"	51405	51435	25
9/16"	51406	51436	25
5/8"	51407	51437	25
3/4"	51408	51438	25
7/8"	51419	51439	
1"	51420	51440	
1-1/8"		51440-1/8	
1-1/4"	51422	51442	
1-1/2"	51420-11/2	51440-1/2	

Lock Washer

Part #	Size	Qty
51320	#4	100
51321	#6	100
51322	#8	100
51323	#10	100
51324	#12	100
51325	1/4"	100
51326	5/16"	100
51327	3/8"	50
51328	7/16"	50
51329	1/2"	25
51330	9/16"	25
51331	5/8"	25
51332	3/4"	25
51333	7/8"	
51334	1"	

USS Nylocks

USS Part #	Size - T.P.I.	Qty
34271	10-24	100
34272	1/4-20	100
34273	5/16-18	100
34274	3/8-16	50
34275	7/16-14	50
34276	1/2-13	25
34277	9/16-12	25
34278	5/8-11	25
34279	3/4-10	25
34280	7/8-9	
34291	1-8	
34292	1 1/8-7	
34293	1 1/4-7	
34294	1 1/2-6	

Nylon Lock Nuts



SAE Nylocks

SAE Part #	Size - T.P.I.
34281	10-32
34282	1/4-28
34283	5/16-24
34284	3/8-24
34285	7/16-20
34286	1/2-20
34287	9/16-18
34288	5/8-18
34289	3/4-16
34290	7/8-14
34301	1-14
34302	1 1/8-12
34303	1 1/4-12
34304	1 1/2-12

2H Heavy Hex Nuts

Heavy Hex Nuts

Part #	Size - T.P.I.
512012H	1/4-20
512022H	5/16-18
512032H	3/8-16
512042H	7/16-14
512052H	1/2-13
512062H	9/16-12
512072H	5/8-11
512082H	3/4-10
512092H	7/8-9
512102H	1-8



Threaded Rod

USS

Part #	Size - T.P.I.
32475	1/4-20
32476	5/16-18
32477	3/8-16
32478	7/16-14
32479	1/2-13
32479-1	9/16-12
32480	5/8-11
32481	3/4-10
32481-1	7/8-9
32482	1-8
32482-1/4	1 1/4-7
32482-1	1 1/2-6

- USS or SAE
- 1020 Steel

- Full, Continuous, Cut Thread
- Class 2A Thread Fit
- 36" Lengths



SAE

Part #	Size - T.P.I.
32483	1/4-28
32484	5/16-24
32485	3/8-24
32486	7/16-20
32487	1/2-20
32487-2	5/8-18
32487-3	3/4-16

USS

USS Part #	Size - T.P.I.
36675	1/4-20
36676	5/16-18
36677	3/8-16
36678	7/16-14
36679	1/2-13
36680	5/8-11
36681	3/4-10
36682	7/8-9
36683	1-8
36686-11/4	1 1/4-7
36686	1 1/2-6

- USS or SAE
- 36" Lengths



SAE

SAE Part #	Size - T.P.I.
36915	1/4-28
36916	5/16-24
36917	3/8-24
36918	7/16-20
36919	1/2-20
36920	5/8-18
36921	3/4-16
36922	7/8-14
36923	1-14

USS

USS Part #	Size - T.P.I.
37675	1/4-20
37676	5/16-18
37677	3/8-16
37678	7/16-14
37679	1/2-13
37680	5/8-11
37681	3/4-10
37682	7/8-9
37683	1-8

- USS or SAE
- 36" Lengths

- Specifications Grade 8 Alloy Steel



SAE

SAE Part #	Size - T.P.I.
37915	1/4-28
37916	5/16-24
37917	3/8-24
37918	7/16-20
37919	1/2-20
37920	5/8-18
37921	3/4-16
37922	7/8-14
37923	1-14

Grade 8 Threaded Rod

Q

Keystock

Standard

Part #	Size
33974	1/8" X 1/8"
33975	3/16" X 3/16"
33975-1	3/16" X 1/4"
33976	1/4" X 1/4"
33977	5/16" X 5/16"
33978	3/8" X 3/8"
33978-1	3/8" X 1/2"
33979	1/2" X 1/2"
33979-1	7/16" X 7/16"
33980	5/8" X 5/8"
33981	3/4" X 3/4"
33981-1	3/4" X 1"
33982	7/8" X 7/8"
33983	1" X 1"

- Super Bright Finish Plating
- Cold Drawn C1018 Steel
- .005 Oversized
- Square 12" Lengths



Metric

Part #	Size
33990	8 MM X 8 MM
33991	10 MM X 10 MM
33992	12 MM X 12 MM

GT Stover Lock Nuts Flange Style

Flange Nuts

Part #	Size	Qty
F36782	3/8"-16	25
F36784	1/2"-13	25
F36786	5/8"-11	25
F36787	3/4"-10	25
F36799	1/2"-20	25
F36801	5/8"-18	25
F36802	3/4"-16	25



Black Phosphate and Oiled
For Use With Grade 8 Frame Bolts
Made In The U.S.A.

Grade 8 Alloy Frame Bolts

3/8" Diameter

	Part #		
Length	USS 3/8-16	SAE 3/8-24	Qty
1"	F81042		
1-1/2"	F81044		



Manufactured to SAE J-429 Specifications
Indented Hex Flange Coarse
Thread Black Phosphate and Oiled
Made In The U.S.A.

1/2" Diameter

	Part #		
Length	USS 1/2-13	SAE 1/2-20	Qty
1-1/2"	F81082	F81582	
1-3/4"	F81083		
2"	F81084	F81584	
2-1/4"	F81085		
2-1/2"	F81086	F81586	
3"	F81087		
3-1/2"	F81088		

5/8" Diameter

	Part #		
Length	USS 5/8-11	SAE 5/8-18	Qty
1-1/2"	F81112		
1-3/4"	F81113		
2"	F81114	F81614	
2-1/4"	F81115		
2-1/2"	F81116	F81616	
3"	F81118		
3-1/2"	F81119		

3/4" Diameter

	Part #		
Length	USS 3/4-10	SAE 3/4-16	Qty
2"	F81132		
2-1/4"	F81133	F81633	
2-1/2"	F81134	F81634	
3"	F81136		
3-1/2"	F81137		
4"	F81138		
4-1/2"	F81139		
5"	F81140		
5-1/2"	F81141		
6"	F81142		



Grade 8.8 Metric Cap Screws



4 mm Dia.

	Part #		
Length	Coarse 4-070	Fine 4-000	Qty
12 mm	42001		
16 mm	42002		
20 mm	42004		
25 mm	42005		
40 mm	42006		
45 mm	42007		
50 mm	42007-1		

5 mm Dia.

	Part #		
Length	Coarse 5-080	Fine 5-000	Qty
10 mm	42008		
12 mm	42009		
16 mm	42010		
20 mm	42011		
25 mm	42013		
30 mm	42015		
35 mm	42016		
40 mm	42017		
45 mm	42018		
50 mm	42019		

6 mm Dia.

	Part #		
Length	Coarse 6-1.00	Fine 6-0.00	Qty
10 mm	42026		
12 mm	42027		
14 mm	42027-14		
16 mm	42028		
20 mm	42030		
25 mm	42032		
30 mm	42034		
35 mm	42036		
40 mm	42037		
45 mm	42038		
50 mm	42039		
55 mm	42040		
60 mm	42041		
65 mm	42042		
70 mm	42043		
75 mm	42043-1		
90 mm	42043-2		

• ISO Grade 8.8

• Comparable to SAE Grade 5



7 mm Dia.

	Part #		
Length	Coarse 7-1.00	Fine 7-0.00	Qty
16 mm	42045		
20 mm	42047		
25 mm	42047-1		
30 mm	42048		
40 mm	42049		

8 mm Dia.

	Part #		
Length	Coarse 8-1.25	Fine 8-1.00	Qty
10 mm	42050	42253	
12 mm	42051		
14 mm	42051-14		
16 mm	42052		
18 mm	42053		
20 mm	42054	42258	
25 mm	42056	42260	
30 mm	42058	42262	
35 mm	42060	42263	
40 mm	42061	42265	
45 mm	42062		
50 mm	42063	42267	
55 mm	42064		
60 mm	42065		
65 mm	42066		
70 mm	42067		
75 mm	42068		
80 mm	42069		
85 mm	42070		
90 mm	42071		
95 mm	42072		
100 mm	42073-100		

10 mm Dia.

	Part #			
Length	Coarse 10-1.50	Fine 10-1.00	Fine 10-1.25	Qty
16 mm	42074			
20 mm	42076	42282	42282-J	
25 mm	42078	42284	42284-J	
30 mm	42080	42286	42286-J	
35 mm	42081	42287	42287-J	
40 mm	42083	42289	42289-J	
45 mm	42084	42290	42290-J	
50 mm	42085	42291	42291-J	
55 mm	42086			
60 mm	42087		42293-J	
65 mm	42088			
70 mm	42089		42294-J	
75 mm	42090			
80 mm	42091		42295-J	
85 mm	42092			
90 mm	42093		42296-J	
100 mm	42095-100			

12 mm Dia.

	Part #			
Length	Coarse 12-1.75	Fine 12-1.5	Fine 12-1.125	Qty
16 mm	42097			
20 mm	42099	42305	42306-J	
25 mm	42101	42307	42307-J	
30 mm	42103	42309	42308-J	
35 mm	42104	42311	42311-J	
40 mm	42105	42312	42312-J	
45 mm	42106		42313-J	
50 mm	42107		42314-J	
55 mm	42108	42314	42315-J	
60 mm	42109	42315	42316-J	
65 mm	42110	42317		
70 mm	42111	42318		
75 mm	42112	42319		
80 mm	42113	42320		
90 mm	42115	42321		
100 mm	42117			
110 mm	42118			
120 mm	42119			
130 mm	42120			
180 mm	42121			

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Grade 8.8 Metric Cap Screws



- ISO Grade 8.8
- Comparable to SAE Grade 5

14 mm Dia.

Part #			
Length	Coarse 14-2.00	Fine 14-1.50	Qty
30 mm	42135		
35 mm	42136		
40 mm	42137		
50 mm	42139		
55 mm	42140		
60 mm	42141		
65 mm	42142		
70 mm	42143		
75 mm	42144		
80 mm	42145		
90 mm	42147		
100 mm	42148		
120 mm	42149		

16 mm Dia.

Length	Coarse 16-2.00	Fine 16-1.50	Qty
25 mm	42164		
30 mm	42166		
35 mm	42167		
40 mm	42168		
45 mm	42169		
50 mm	42170		
55 mm	42171		
60 mm	42172		
65 mm	42173		
70 mm	42174		
75 mm	42175		
80 mm	42176		
85 mm	42177		
90 mm	42178		
100 mm	42179		
110 mm	42180		
120 mm	42181		

18 mm Dia.

Length	Coarse 18-2.50	Fine 18-2.00	Qty
30 mm	42198		
40 mm	42199		
50 mm	42201		
60 mm	42203		
70 mm	42205		
80 mm	42207		
90 mm	42209		
160 mm	42210		

20 mm Dia.

Length	Coarse 20-2.50	Fine 20-0.00	Qty
40 mm	42230		
50 mm	42232		
60 mm	42234		
70 mm	42236		
80 mm	42238		
90 mm	42240		



Standard Metric Hex Nuts



Coarse

Part #	Size - T.P.I.	Qty
43108	3-0.50 mm	
42400	4-0.70 mm	
42401	5-0.80 mm	
42402-1	6-1.00 mm	
42403	7-1.00 mm	
42404-1	8-1.25 mm	
42405-1	10-1.50 mm	
42406	12-1.75 mm	
42407	14-2.00 mm	
42408	16-2.00 mm	
42409-18	18-2.50 mm	
42409-20	20-2.50 mm	

Fine

Part #	Size - T.P.I.	Qty
42414	8-1.00 mm	
42415	10-1.00 mm	
42415-J	10-1.25 mm	
42416	12-1.50 mm	
42416-J	12-1.25 mm	
42417	14-1.50 mm	
42418	16-1.50 mm	
42419	18-2.00 mm	

Metric Nylon Lock Nuts

Part #	Size - T.P.I.
41750	4-0.70 mm
41751	5-0.80 mm
41752	6-1.00 mm
41753	7-1.00 mm
41761	8-1.00 mm
41754	8-1.25 mm
41762	10-1.00 mm
41755	10-1.50 mm
41764	12-1.50 mm
41756	12-1.75 mm
41765	14-1.50 mm
41757	14-2.00 mm
41758	16-2.00 mm



Metric Flange Nut

Part #	Size	TPI
42423	6-1.00 mm	1.00
42424	10-1.50 mm	1.50

Metric All Metal Lock Nuts

Part #	Size - T.P.I.
42402	6-1.00 mm
42404	8-1.25 mm
42405	10-1.50 mm
42405-12	12-1.75 mm
42405-14	14-2.00 mm
42405-16	16-2.00 mm



Metric Wing Nuts

Part #	Size	TPI
42430	4 mm	0.70
42431	5 mm	0.80
42432	6 mm	1.00
42433	8 mm	1.25



Metric Washers



Metric Lock Washer

Part #	Bolt Size	Qty
42449	3 mm	100
42449-1	3.5 mm	100
42450	4 mm	100
42451	5 mm	100
42452	6 mm	100
42453	7 mm	50
42454	8 mm	50
42455	10 mm	50
42456	12 mm	25
42457	14 mm	25
42458-16	16 mm	25
42458-18	18 mm	25
42458-20	20 mm	25

Metric Flat Washers

Part #	Bolt Size	Qty
42459	3 mm	100
42459-1	3.5 mm	100
42460	4 mm	100
42461	5 mm	100
42462	6 mm	100
42463	7 mm	50
42464	8 mm	50
42465	10 mm	50
42466	12 mm	25
42467	14 mm	25
42468	16 mm	25
42469-18	18 mm	25
42469-20	20 mm	25

Metric Spring Washer

Part #	Size	Qty
4223	3 mm	100
4224	4 mm	100
4225	5 mm	100
4226	6 mm	100
4227	7 mm	50
4228	8 mm	50
4229	10 mm	50
4230	12 mm	25
4231	14 mm	25
4232	16 mm	25
4233	18 mm	25
4234	20 mm	25
4235	24 mm	25

Metric Phillips Pan Head Machine Screws



4 mm - 0.70

Part #	Length	Qty
43600	10 mm	
43601	14 mm	
43602	16 mm	
43603	18 mm	
43604	22 mm	

5 mm - 0.80

Part #	Length	Qty
43618	12 mm	
43619	16 mm	
43621	20 mm	
43622	25 mm	
43623	30 mm	

6 mm - 1.00

Part #	Length	Qty
43632	12 mm	
43633	16 mm	
43634	20 mm	
43635	25 mm	
43636	30 mm	

8 mm - 1.25

Part #	Length	Qty
43651	10 mm	
43652	16 mm	

Metric Slotted Pan Head Machine Screws



4 mm - 0.70

Part #	Length	Qty
43660	10 mm	100
43661	15 mm	100

5 mm - 0.80

Part #	Length	Qty
43665	8 mm	100

8 mm - 1.25

Part #	Length	Qty
43670	10 mm	100
43671	16 mm	100
43672	20 mm	100
43673	25 mm	100



High Tensile Grade 10.9 Hex Head Cap Screws

6 mm - 1.00

Part #	Length
46002	12 mm
46004	16 mm
46006	20 mm
46008	25 mm
46009	30 mm
46010	35 mm
46011	40 mm
46012	45 mm
46013	50 mm
46014	60 mm



8 mm - 1.25

Part #	Length
46052	16 mm
46054	20 mm
46056	25 mm
46057	30 mm
46058	35 mm
46059	40 mm
46060	45 mm
46061	50 mm
46062	55 mm
46063	60 mm
46064	65 mm

12 mm - 1.75

Part #	Length
46152	20 mm
46154	25 mm
46155	30 mm
46156	35 mm
46157	40 mm
46158	45 mm
46159	50 mm
46160	55 mm
46161	60 mm
46163	70 mm
46164	80 mm
46166	90 mm
46168	100 mm

14 mm - 2.00

Part #	Length
46203	30 mm
46204	35 mm
46205	40 mm
46206	45 mm
46207	50 mm
46208	55 mm
46209	60 mm
46210	65 mm
46211	70 mm
46213	80 mm
46215	90 mm
46217	100 mm

10 mm - 1.50

Part #	Length
46102	20 mm
46104	25 mm
46105	30 mm
46106	35 mm
46107	40 mm
46108	45 mm
46109	50 mm
46110	55 mm
46111	60 mm
46112	65 mm
46113	70 mm
46115	80 mm
46117	90 mm
46119	100 mm

16 mm - 2.00

Part #	Length
46253	30 mm
46254	35 mm
46256	45 mm
46257	50 mm
46258	55 mm
46259	60 mm
46261	70 mm
46262	75 mm
46263	80 mm
46265	90 mm
46267	100 mm

Nuts, Locks & Flats



Metric Flat Washers

Part #	Length
46502	6 mm
46504	8 mm
46505	10 mm
46506	12 mm
46507	14 mm
46508	16 mm



Lock Washers

Part #	Length
46552	6 mm
46554	8 mm
46555	10 mm
46556	12 mm
46557	14 mm
46558	16 mm



10.9 Hex Nuts

Part #	Size
46602	6-1.00
46604	8-1.25
46605	10-1.50
46606	12-1.75
46607	14-2.00
46608	16-2.00
46608-1	18-2.50
46608-20	20-2.50



Impact Sockets

More Sizes & Styles Available in Stock

3/8" Drive 6-Point

Fractional Regular		Fractional Deep		Metric Regular		Metric Deep	
Part #	Size	Part #	Size	Part #	Size	Part #	Size
GP1010R	5/16"	GP1010D	5/16"	GP1007M	7mm	GP1007MD	7mm
GP1012R	3/8"	GP1012D	3/8"	GP1008M	8mm	GP1008MD	8mm
GP1014R	7/16"	GP1014D	7/16"	GP1009M	9mm	GP1009MD	9mm
GP1016R	1/2"	GP1016D	1/2"	GP1010M	10mm	GP1010MD	10mm
GP1018R	9/16"	GP1018D	9/16"	GP1011M	11mm	GP1011MD	11mm
GP1020R	5/8"	GP1020D	5/8"	GP1012M	12mm	GP1012MD	12mm
GP1022R	11/16"	GP1022D	11/16"	GP1013M	13mm	GP1013MD	13mm
GP1024R	3/4"	GP1024D	3/4"	GP1014M	14mm	GP1014MD	14mm
GP1026R	13/16"	GP1026D	13/16"	GP1015M	15mm	GP1015MD	15mm
GP1028R	7/8"	GP1028D	7/8"	GP1016M	16mm	GP1016MD	16mm
GP1030R	15/16"	GP1030D	15/16"	GP1017M	17mm	GP1017MD	17mm
GP1032R	1"	GP1032D	1"	GP1018M	18mm	GP1018MD	18mm



3/8" Drive 12-Point

Fractional Regular		Fractional Deep		Metric Regular		Metric Deep	
Part #	Size	Part #	Size	Part #	Size	Part #	Size
GP1110R	5/16"	GP1110D	5/16"	GP1107M	7mm	GP1107MD	7mm
GP1112R	3/8"	GP1102D	3/8"	GP1108M	8mm	GP1108MD	8mm
GP1114R	7/16"	GP1114D	7/16"	GP1109M	9mm	GP1109MD	9mm
GP1116R	1/2"	GP1116D	1/2"	GP1110M	10mm	GP1110MD	10mm
GP1118R	9/16"	GP1118D	9/16"	GP1111M	11mm	GP1111MD	11mm
GP1120R	5/8"	GP1120D	5/8"	GP1112M	12mm	GP1112MD	12mm
GP1122R	11/16"	GP1122D	11/16"	GP1113M	13mm	GP1113MD	13mm
GP1124R	3/4"	GP1124D	3/4"	GP1114M	14mm	GP1114MD	14mm
GP1126R	13/16"	GP1126D	13/16"	GP1115M	15mm	GP1115MD	15mm
GP1128R	7/8"	GP1128D	7/8"	GP1116M	16mm	GP1116MD	16mm
GP1130R	15/16"	GP1130D	15/16"	GP1117M	17mm	GP1117MD	17mm
GP1132R	1"	GP1132D	1"	GP1118M	18mm	GP1118MD	18mm



3/8" Attachments

Part #	Description
GP1128A	3/8" Female x 1/4" Male Adapter
GP1138A	3/8" Female x 1/2" Male Adapter
GP1129UJ	3/8" x 3/8" Universal Joint
GP1140E	1-3/4" Extension
GP1143E	3" Extension
GP1146E	6" Extension

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Impact Sockets

More Sizes & Styles Available in Stock



1/2" Drive 6-Point

Fractional Regular

Part #	Size
GP2010R	5/16"
GP2012R	3/8"
GP2014R	7/16"
GP2016R	1/2"
GP2018R	9/16"
GP2020R	5/8"
GP2022R	11/16"
GP2024R	3/4"
GP2026R	13/16"
GP2028R	7/8"
GP2030R	15/16"
GP2032R	1"
GP2034R	1-1/16"
GP2036R	1-1/8"
GP2038R	1-3/16"
GP2040R	1-1/4"
GP2042R	1-5/16"
GP2044R	1-3/8"
GP2046R	1-7/16"
GP2048R	1-1/2"

Fractional Deep

Part #	Size
GP2010D	5/16"
GP2012D	3/8"
GP2014D	7/16"
GP2016D	1/2"
GP2018D	9/16"
GP2020D	5/8"
GP2022D	11/16"
GP2024D	3/4"
GP2026D	13/16"
GP2028D	7/8"
GP2030D	15/16"
GP2032D	1"
GP2034D	1-1/16"
GP2036D	1-1/8"
GP2038D	1-3/16"
GP2040D	1-1/4"
GP2042D	1-5/16"
GP2044D	1-3/8"
GP2046D	1-7/16"
GP2048D	1-1/2"

Metric Regular

Part #	Size
GP2010M	10mm
GP2011M	11mm
GP2012M	12mm
GP2013M	13mm
GP2014M	14mm
GP2015M	15mm
GP2016M	16mm
GP2017M	17mm
GP2018M	18mm
GP2019M	19mm
GP2020M	20mm
GP2021M	21mm
GP2022M	22mm
GP2023M	23mm
GP2024M	24mm
GP2025M	25mm
GP2026M	26mm
GP2027M	27mm
GP2028M	28mm
GP2029M	29mm
GP2030M	30mm
GP2032M	32mm
GP2033M	33mm
GP2034M	34mm
GP2035M	35mm
GP2036M	36mm

Metric Deep

Part #	Size
GP2010MD	10mm
GP2011MD	11mm
GP2012MD	12mm
GP2013MD	13mm
GP2014MD	14mm
GP2015MD	15mm
GP2016MD	16mm
GP2017MD	17mm
GP2018MD	18mm
GP2019MD	19mm
GP2020MD	20mm
GP2021MD	21mm
GP2022MD	22mm
GP2023MD	23mm
GP2024MD	24mm
GP2025MD	25mm
GP2026MD	26mm
GP2027MD	27mm
GP2028MD	28mm
GP2029MD	29mm
GP2030MD	30mm
GP2032MD	32mm
GP2033MD	33mm
GP2034MD	34mm
GP2035MD	35mm
GP2036MD	36mm

1/2" Attachments

Part #	Description
GP2228A	1/2" Female x 3/8" Male
GP2238A	1/2" Female x 3/4" Male
GP2229UJ	1/2" x 1/2"
GP2243E	3" Extension
GP2245E	5" Extension
GP2247E	7" Extension





Impact Sockets

More Sizes & Styles Available in Stock

3/4" Drive 6-Point

Fractional Regular		Fractional Deep		Metric Regular		Metric Deep	
Part #	Size	Part #	Size	Part #	Size	Part #	Size
GP3016R	1/2"	GP3016D	1/2"	GP3019M	19mm	GP3019MD	19mm
GP3018R	9/16"	GP3018D	9/16"	GP3020M	20mm	GP3020MD	20mm
GP3020R	5/8"	GP3020D	5/8"	GP3021M	21mm	GP3021MD	21mm
GP3022R	11/16"	GP3022D	11/16"	GP3022M	22mm	GP3022MD	22mm
GP3024R	3/4"	GP3024D	3/4"	GP3023M	23mm	GP3023MD	23mm
GP3026R	13/16"	GP3026D	13/16"	GP3024M	24mm	GP3024MD	24mm
GP3028R	7/8"	GP3028D	7/8"	GP3025M	25mm	GP3025MD	25mm
GP3030R	15/16"	GP3030D	15/16"	GP3026M	26mm	GP3026MD	26mm
GP3032R	1"	GP3032D	1"	GP3027M	27mm	GP3027MD	27mm
GP3034R	1-1/16"	GP3034D	1-1/16"	GP3028M	28mm	GP3028MD	28mm
GP3036R	1-1/8"	GP3036D	1-1/8"	GP3029M	29mm	GP3029MD	29mm
GP3038R	1-3/16"	GP3038D	1-3/16"	GP3030M	30mm	GP3030MD	30mm
GP3040R	1-1/4"	GP3040D	1-1/4"	GP3031M	31mm	GP3031MD	31mm
GP3042R	1-5/16"	GP3042D	1-5/16"	GP3032M	32mm	GP3032MD	32mm
GP3044R	1-3/8"	GP3044D	1-3/8"	GP3033M	33mm	GP3033MD	33mm
GP3046R	1-7/16"	GP3046D	1-7/16"	GP3034M	34mm	GP3034MD	34mm
GP3048R	1-1/2"	GP3048D	1-1/2"	GP3035M	35mm	GP3035MD	35mm
GP3050R	1-9/16"	GP3050D	1-9/16"	GP3036M	36mm	GP3036MD	36mm
GP3052R	1-5/8"	GP3052D	1-5/8"	GP3038M	38mm	GP3038MD	38mm
GP3054R	1-11/16"	GP3054D	1-11/16"	GP3040M	40mm	GP3040MD	40mm
GP3056R	1-3/4"	GP3056D	1-3/4"	GP3041M	41mm	GP3041MD	41mm
GP3058R	1-13/16"	GP3058D	1-13/16"	GP3042M	42mm	GP3042MD	42mm
GP3060R	1-7/8"	GP3060D	1-7/8"	GP3043M	43mm	GP3043MD	43mm
GP3062R	1-15/16"	GP3062D	1-15/16"	GP3044M	44mm	GP3044MD	44mm
GP3064R	2"	GP3064D	2"	GP3046M	46mm	GP3046MD	46mm
				GP3050M	50mm	GP3050MD	50mm



3/4" Attachments	
Part #	Description
GP3007E	7" Extension
GP3008A	3/4" Female x 1/2" Male
GP3009A	3/4" Female x 1" Male
GP3009AB	3/4" Female x 1" Male



Impact Sockets

More Sizes & Styles Available in Stock

**3/4" Drive Standard Length
14 piece Set In Case**

Part # GP8038	GP3024R	3/4"	GP3038R	1-3/16"
	GP3026R	13/16"	GP3040R	1-1/4"
	GP3028R	7/8"	GP3042R	1-5/16"
	GP3030R	15/16"	GP3044R	1-3/8"
	GP3032R	1"	GP3046R	1-7/16"
	GP3034R	1-1/16"	GP3048R	1-1/2"
	GP3036R	1-1/8"	GP3052R	1-5/8"



**3/4" Drive Deep Length
14 piece Set In Case**

Part #
GP8038D

GP3024D	3/4"	GP3038D	1-3/16"
GP3026D	13/16"	GP3040D	1-1/4"
GP3028D	7/8"	GP3042D	1-5/16"
GP3030D	15/16"	GP3044D	1-3/8"
GP3032D	1"	GP3046D	1-7/16"
GP3034D	1-1/16"	GP3048D	1-1/2"
GP3036D	1-1/8"	GP3052D	1-5/8"

**3/4" Drive Standard Length
29 piece Set In Case**

Part #
GP8029

3/4"	GP3024R	1-3/8"	GP3044R	2"	GP3064R
13/16"	GP3026R	1-7/16"	GP3046R	2-1/16"	GP3066R
7/8"	GP3028R	1-1/2"	GP3048R	2-1/8"	GP3068R
15/16"	GP3030R	1-9/16"	GP3050R	2-3/16"	GP3070R
1"	GP3032R	1-5/8"	GP3052R	2-1/4"	GP3072R
1-1/16"	GP3034R	1-11/16"	GP3054R	2-5/16"	GP3074R
1-1/8"	GP3036R	1-3/4"	GP3056R	2-3/8"	GP3076R
1-3/16"	GP3038R	1-13/16"	GP3058R	2-7/16"	GP3078R
1-1/4"	GP3040R	1-7/8"	GP3060R	2-1/2"	GP3080R
1-5/16"	GP3042R	1-15/16"	GP3062R		





Impact Sockets

More Sizes & Styles Available in Stock

1" Drive 6-Point

Fractional Regular

Part #	Size
GP4024R	3/4"
GP4026R	13/16"
GP4028R	7/8"
GP4030R	15/16"
GP4032R	1"
GP4034R	1-1/16"
GP4036R	1-1/8"
GP4038R	1-3/16"
GP4040R	1-1/4"
GP4042R	1-5/16"
GP4044R	1-3/8"
GP4046R	1-7/16"
GP4048R	1-1/2"
GP4050R	1-9/16"
GP4052R	1-5/8"
GP4054R	1-11/16"
GP4056R	1-3/4"
GP4058R	1-13/16"
GP4060R	1-7/8"
GP4062R	1-15/16"
GP4064R	2"

Fractional Deep

Part #	Size
GP4024D	3/4"
GP4026D	13/16"
GP4028D	7/8"
GP4030D	15/16"
GP4032D	1"
GP4034D	1-1/16"
GP4036D	1-1/8"
GP4038D	1-3/16"
GP4040D	1-1/4"
GP4042D	1-5/16"
GP4044D	1-3/8"
GP4046D	1-7/16"
GP4048D	1-1/2"
GP4050D	1-9/16"
GP4052D	1-5/8"
GP4054D	1-11/16"
GP4056D	1-3/4"
GP4058D	1-13/16"
GP4060D	1-7/8"
GP4062D	1-15/16"
GP4064D	2"



1" Attachments

Part #	Description
GP4007E	7" Extension
GP4008A	1" Female x 3/4" Male Adapter
GP4008AB	1" Female x 3/4" Male Adapter



Impact Sockets Tire & Wheel Service

More Sizes & Styles Available in Stock



1/2" Drive Flip

Part #	Description
GP2146DT	3/4" X 13/16"
GP2192DT	19mm X 21 MM



Adapters

Part #	Description
GP3008A	3/4" F. X 1/2" M.
GP3009A	3/4" F. X 1" M.
GP4008A	1" F. X 3/4" M.



3/4" Drive Sizes

Part #	Description
GP3007E	7" Extension
GP3313S	13/16" Square
GP3317S	17mm Square
GP3028D	7/8" Deep
GP3032D	1" Deep
GP3038D	1-3/16" Deep
GP3034DT	1-1/16" Thin Wall
GP3036DT	1-1/8" Thin Wall
GP3040DT	1-1/4" Thin Wall
GP3048D	1-1/2" Deep
GP3048DB	1-1/2" Drive Budd
GP3223C	1-1/2" X 13/16" Square
GP3027MD	27mm Deep
GP303MD	30mm Deep
GP3033MD	33mm Deep
GP3035MD	35mm Deep



1" Drive Size

Part #	Description
GP4007E	7" Extension
GP4313S	13/16" Square
GP4317S	17mm Square
GP4321S	21mm Square
GP4028R	7/8"
GP4032R	1"
GP4038R	1-3/16"
GP4034DT	1-1/16" Thin Wall
GP4036DT	1-1/8" Thin Wall
GP4040DT	1-1/4" Thin Wall
GP4048D	1-1/2" Deep
GP4048DB	1-1/2" Drive Budd
GP4033M	33mm
GP4033MD	33mm Deep
GP4035MD	35mm Deep
GP4041MD	41mm Deep
GP4223C3	1-1/2" X 13/16" Square
GP4241MC	41mm X 21mm Square



Impact Sockets

More Sizes & Styles Available in Stock



Tork Sockets

Part #	Size	Torque ft./lbs.	Color
GP28202	17mm	55	Green
GP28206	17mm	80	Red
GP28210	19mm-3/4"	65	Yellow
GP28214	19mm-3/4"	80	Blue
GP28218	19mm-3/4"	100	Gray
GP28222	13/16"	100	Brown
GP28226	21mm	60	Black
GP28230	21mm	80	Lt. Brown
GP28234	21mm	150	Charcoal
GP28238	22mm-7/8	100	Lt. Blue
GP28242	22mm-7/8"	120	White
GP28246	22mm-7/8"	140	Turquoise
GP28250	24mm-15/16"	140	Lt. Green
GP28254	1"	140	Purple
GP28258	1-1/16"	140	Tan



Torx Sockets 3/8" Drive

Part #	Size
GP1120T	T20
GP1125T	T25
GP1127T	T27
GP1130T	T30
GP1140T	T40
GP1145T	T45
GP1147T	T47
GP1150T	T50
GP1155T	T55

Assortments:

GP1200T - (9 Piece Set 1 each of the above in a Molded Case)

Bins (Large)



Service Tray (Steel)

For 80323 Cabinet

3" High, 18" Wide, 12-1/2" Deep

Configuration & Part #'s

Royal Supply 700 E. 54 th Place Commerce City, CO 80022 (303)296-7500 Fax: (303)296-7731 www.RoyalSupply.com		

Royal Supply 700 E. 54 th Place Commerce City, CO 80022 (303)296-7500 Fax: (303)296-7731 www.RoyalSupply.com		

Royal Supply 700 E. 54 th Place Commerce City, CO 80022 (303)296-7500 Fax: (303)296-7731 www.RoyalSupply.com		

Part # 80323 - 24 Hole

Part # 80323-6H - 6 Hole

Part # 80323-12 - 12 Hole

Royal Supply 700 E. 54 th Place Commerce City, CO 80022 (303)296-7500 Fax: (303)296-7731 www.RoyalSupply.com		

Royal Supply 700 E. 54 th Place Commerce City, CO 80022 (303)296-7500 Fax: (303)296-7731 www.RoyalSupply.com		

Royal Supply 700 E. 54 th Place Commerce City, CO 80022 (303)296-7500 Fax: (303)296-7731 www.RoyalSupply.com		

Part # 80323-16 - 16 Hole

Part # 80324 - Adjustable

Part # 80323-20 - 20 Hole

Royal Supply 700 E. 54 th Place Commerce City, CO 80022 (303)296-7500 Fax: (303)296-7731 www.RoyalSupply.com		

Royal Supply 700 E. 54 th Place Commerce City, CO 80022 (303)296-7500 Fax: (303)296-7731 www.RoyalSupply.com		

Royal Supply 700 E. 54 th Place Commerce City, CO 80022 (303)296-7500 Fax: (303)296-7731 www.RoyalSupply.com		

Part # 80323-32 - 32 Hole

Part # 80323-6V - 6 Hole

Part # 80323-21 - 21 Hole



Part # 80320 Cabinet (Steel)

A Specially designed Triple-Track space saver model has telescoping tracks which allows stacking on 12" Deep Bins and Drawer Cabinets

Part # 80321 Rack Base (Steel)

Available For Cabinet 80320
15-1/8" High, 15-1/2" Wide, 12-1/8" Deep

Bins



Part #80376 Threaded Rod Cabinet

Separates and protects threaded rods in 18 separate compartments, 2-1/8" inches in diameter.



Part #80377 Keystock Rack

Designed to hold material used in manufacture of key ways which generally run from 1/8 inch square to 3/4 inch square and approximately 12 inches long. Offers a total of 10 compartments for the convenient storage of 10 different sizes. A 3" panel is furnished for both wall protection or use as a sign. Key hole slots permit wall mounting.



Part #80302 Storage Cabinet (Steel)

Stackable Cabinet 32 Dividers (2 per Drawer)
Extra Dividers Available 18 Drawers
Heavy Duty Cold Rolled Steel
Durable Baked Enamel Finish
10-7/8" High, 33-7/8" Wide, 11-5/8" Deep



Part #80336 Bin (Steel)

Heavy Cold Rolled Steel
40 Hole Capacity
Durable Baked Enamel Finish
21" High, 35-1/4" Wide, 11-7/8" Deep
Hole Size: 4" X 4" X 11-3/4"



Part #80340 Rack Base (Steel)

For Use With 80336, 80302, 80337



Part #80337 Bin (Steel)

Heavy Cold Rolled Steel
1 Piece - 72 Hole Capacity
Durable Baked Enamel Finish
21" High, 35-1/4" Wide, 11-7/8" Deep



Wire Spool Rack

Part #	Size
80373	4 Rows
WSR-2	2 Rows
WSR-1	1 Row



Bins



Large Plastic Trays

For LP291 Cabinet

2-5/16" High, 13-1/8" Wide, 12-1/2" Deep



Configuration & Part #'s

Royal Supply 7000 E. 54th Place Commerce City, CO 80022 (303)266-7784 (800)266-7781						

Part # LP24 - 24 Hole

Royal Supply 7000 E. 54th Place Commerce City, CO 80022 (303)266-7784 (800)266-7781 www.RoyalSupply.com						

Part # LP16 - 16 Hole

Royal Supply 7000 E. 54th Place Commerce City, CO 80022 (303)266-7784 (800)266-7781 www.RoyalSupply.com						

Part # LP12 - 12 Hole

Cabinet For
Plastic Trays

Part # LP291



Hose Clamp Racks

Part #	Size
24100	10 Loops Mini's - #36
24103	5 Loop #40 - #72



Assortments



The following is a small sampling of the ready-made assortments available from Royal Supply.

If you don't find what you're looking for, ask your Salesperson to see the extended assortment catalog that they carry. If your needs are more specific, we can custom make an assortment to your specifications.

We at Royal Supply are dedicated to provide you with the products you need to do your job more efficiently. This includes providing the proper bins and trays to keep your fasteners and connectors organized. If we can help in any way don't hesitate to let us know what you need.



R-204 Star Washers

<p>7050 E. 54th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com</p>		R-204 Star Washers Not Actual Size 1350 Total Pieces			
	31341 100 	31342 100 	31343 100 	31344 100 	31345 100
	#8 Flat External Tooth	#10 Flat External Tooth	#12 Flat External Tooth	1/4" Flat External Tooth	5/16" Flat External Tooth
		31346 50 	31347 50 	31348 50 	31349 25
		3/8" Flat External Tooth	7/16" Flat External Tooth	1/2" Flat External Tooth	5/8" Flat External Tooth
	31351-1 100 	31352-1 100 	31353 100 	31354 100 	31355 100
	#8 Flat Internal Tooth	#10 Flat Internal Tooth	#12 Flat Internal Tooth	1/4" Flat Internal Tooth	5/16" Flat Internal Tooth
		31356 50 	31357 50 	31358 50 	31359 25
		3/8" Flat Internal Tooth	7/16" Flat Internal Tooth	1/2" Flat Internal Tooth	5/8" Flat Internal Tooth

R-215 E-Clips

<p>7050 E. 54th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com</p>		R-215 E-Clips Not Actual Size 400 Total Pieces			
4097 25 	2711 25 	2712 25 	4098 25 		
1/16"	3/32"	1/8"	9/64"		
2713 25 	4099 25 	2717 25 	2715 25 		
5/32"	3/16"	7/32"	1/4"		
1547 25 	4100 25 	951 25 	2744 25 		
5/16"	3/8"	7/16"	1/2"		
4101 25 	4102 25 	4103 25 	4104 25 		
5/8"	3/4"	7/8"	1"		



R-218 Battery Lugs & Heads

 <p>7050 E. 54th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com</p>		R-218 Battery Lugs & Heads Not Actual Size 60 Total Pieces		
9305 5 	9314 5 		9428 2 	9426 2 
9308 5 	9315 5 		9429 2 	9427 2 
9310 5 	9316 5 	9402 2 	9404 2 	9406 2 
9313 5 	9318 5 	9403 2 	9405 2 	9407 2 

R-226 Nylon Air Brake Fittings

 <p>7050 E. 54th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com</p>			R-226 Air Brake Fittings For Nylon Tubing Not Actual Size 53 Total Pieces		
10740 5 	10745 5 	10750 5 	10854X 5 	10761 5 	10762 5 
10741 5 	10746 5 	10751 5 	10855 5 	10763 5 	10764 5 
10742 5 	10747 5 	10752 5 	10856 5 	10766 3 	
10772 5 	10773 5 	10775 5 	10776 5 		

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R-235 Cotter Pins

 <p>7050 E. 54th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com</p>			R-235 Cotter Pins Not Actual Size 600 Total Pieces		
38208 25		38209 25		38210 25	
1/16" X 1/2"		1/16" X 3/4"		1/16" X 1"	
38215 25		38216 25		38217 25	
1/16" X 1-1/4"		1/16" X 1-1/2"		1/16" X 2"	
38224 25		38229 25		38230 25	
3/32" X 1/2"		3/32" X 3/4"		3/32" X 1"	
38237 25		38238 25		38239 25	
7/64" X 1"		1/8" X 1"		1/8" X 1-1/4"	
5/32" X 1"		5/32" X 1-1/4"		5/32" X 1-1/2"	
5/32" X 1-1/4"		5/32" X 1-1/2"		5/32" X 1-3/4"	
5/32" X 2"		5/32" X 1-1/2"		5/16" X 1-1/2"	

R-237 Grease Fittings

 <p>7050 E. 54th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com</p>			R-237 Grease Fittings Not Actual Size 100 Total Pieces		
		7578 10			7600 10
	Grease Fitting 1/4-28 - 1/2" Long			Grease Fitting 1/4-28 - 45/64" Long	7580 10
7582 10			7599 10		7581 10
Grease Fitting 1/4-28 - 90° Elbow			Self Threading Grease Fitting 1/4-28 - 90° Elbow		Grease Fitting 1/4-28 - 15/16" Long
			7577 10		7575 10
			Grease Fitting 1/8" PT - 3/4" Long		Grease Fitting 1/8" PT - 30° Elbow
					Grease Fitting 1/8" PT - 1-3/4" Long
7588 10					
Grease Fitting 1/8" PT - 90° Elbow					



R-240 Phillips Pan Head SMS

Royal Supply Company, Inc.			R-240 Phillips Pan Head Sheet Metal Screws Not Actual Size 1650 Total Pieces		
32060 100	32061 100	32062 100	32064 100		
#6 X 1/4"	#6 X 3/8"	#6 X 1/2"	#6 X 3/4"		
	32081 100	32082 100	32084 100	32086 100	32087 50
	#8 X 3/8"	#8 X 1/2"	#8 X 3/4"	#8 X 1"	#8 X 1-1/4"
32092 100		32094 100	32096 100	32102 100	32106 50
#10 X 1/2"		#10 X 3/4"	#10 X 1"	#12 X 1/2"	#12 X 1"
	32104 100	32112 100	32114 100		32115 50
	#12 X 3/4"	#14 X 1/2"	#14 X 3/4"		#14 X 1"

R-249 Tek Screws

Royal Supply Company, Inc.			R-249 Tek Screws Not Actual Size 1275		
33838 100	338405 50	33842 50	33846 50	33848 50	33850 25
#12-14 X 3/4"	#12-14 X 1"	#12-14 X 1-1/2"	1/4-14 X 3/4"	1/4-14 X 1"	1/4-14 X 1-1/2"
		33830 100	33832 100	33833 100	33835 50
		10-16 X 1/2"	10-16 X 3/4"	10-16 X 1"	10-16 X 1-1/2"
33855 100	33856 100	33856-1 100			
#8 X 1/2"	#8 X 3/4"	#8 X 1"			
33859 100	33861 100	33862 100			
#10 X 1/2"	#10 X 3/4"	#10 X 1"			

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R-260 Pop Rivets

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com		R-260 Pop Rivets Not Actual Size 1400 Total Pieces		
6003 100	A standard dome head pop rivet with a grip of .063-.125.	6202 100	A dome head pop rivet with a grip of .063-.125.	
Dome Head 1/8" Dia. Alum. / Alum. Grip .063-.125		Dome Head 1/8" Dia. Steel / Steel Grip .063-.125		
6206 100	A dome head pop rivet with a grip of .251-.375.	6015 100	A dome head pop rivet with a grip of .025-.125.	
Dome Head 1/8" Dia. Steel / Steel Grip .251-.375		Dome Head 3/16" Dia Alum. / Alum. Grip .025-.125		
6018 100	A dome head pop rivet with a grip of .376-.500.	6019 100	A dome head pop rivet with a grip of .501-.625.	
Dome Head 3/16" Dia Alum. / Alum. Grip .376-.500		Dome Head 1/8" Dia. Steel / Steel Grip .126-.187		
6079 100	A 5/8" large flange pop rivet with a grip of .251-.375.		6252 100	A countersunk 1/8" dia pop rivet with a grip of .125-.250.
5/8" Large Flange 3/16" Dia. Alum. / Alum. Grip .251-.375			Countersunk 1/8" Dia Steel / Steel Grip .125-.250	

R-264 Socket Set Screws

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com		R-264 Socket Set Screws Not Actual Size 600 Total Pieces			
40502 25	A 6-32 X 1/4" socket set screw.	40506 25	A 8-32 X 1/4" socket set screw.	40511 25	A 10-24 X 1/4" socket set screw.
6-32 X 1/4"		8-32 X 1/4"		10-24 X 1/4"	
40530 25	A 5/16-18 X 5/16" socket set screw.	40535 25	A 5/16-24 X 5/16" socket set screw.	40522 25	A 1/4-20 X 3/8" socket set screw.
5/16-18 X 5/16"		5/16-24 X 5/16"		1/4-20 X 3/8"	
40523 25	A 1/4-20 X 1/2" socket set screw.	40532 25	A 5/16-18 X 1/2" socket set screw.	40537 25	A 5/16-24 X 1/2" socket set screw.
1/4-20 X 1/2"		5/16-18 X 1/2"		5/16-24 X 1/2"	
40524 25	A 1/4-20 X 3/4" socket set screw.	40533 25	A 5/16-18 X 3/4" socket set screw.	40542 25	A 3/8-16 X 3/4" socket set screw.
1/4-20 X 3/4"		5/16-18 X 3/4"		3/8-16 X 3/4"	



R-349

Metric Cap Screws & Nuts

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com		R-349 Metric Cap Screws & Nuts Not Actual Size 240 of Each Part #			
42401 10	Hex Nut 5 mm	42011 10	Cap Screw 5 mm X 20 mm	42015 10	Cap Screw 5 mm X 30 mm
42037 10	Cap Screw 6 mm X 40 mm	42039 10	Cap Screw 6 mm X 50 mm	42405-1 10	Hex Nut 10 mm
42402-1 10	Hex Nut 6 mm	42026 10	Cap Screw 6 mm X 10 mm	42030 10	Cap Screw 6 mm X 20 mm
42032 10	Cap Screw 6 mm X 25 mm	42034 10	Cap Screw 6 mm X 30 mm	42076 10	Cap Screw 10 mm X 20 mm
42403 10	Hex Nut 7 mm	42047 10	Cap Screw 7 mm X 20 mm	42048 10	Cap Screw 7 mm X 30 mm
42049 10	Cap Screw 7 mm X 40 mm	42063 10	Cap Screw 8 mm X 50 mm	42080 10	Cap Screw 10 mm X 30 mm
42404-1 10	Hex Nut 8 mm	42054 10	Cap Screw 8 mm X 20 mm	42056 10	Cap Screw 8 mm X 25 mm
42058 10	Cap Screw 8 mm X 30 mm	42061 10	Cap Screw 8 mm X 40 mm	42083 10	Cap Screw 10 mm X 40 mm

R-364

Roll Pins

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com		R-364 Roll Pins Not Actual Size 575 Total Pieces			
2730 25	1/8" X 3/4"	4616 25	1/4" X 3/4"	4618 25	1/4" X 1-1/4"
4619 25	1/4" X 1-1/2"	4620 25	1/4" X 1-3/4"	2742 25	1/4" X 2"
4586 25	1/8" X 1"	4609 25	7/32" X 1"	4610 25	7/32" X 1-1/4"
2739 25	7/32" X 1-1/2"	4611 25	7/32" X 1-3/4"	2740 25	7/32" X 2"
4587 25	1/8" X 1-1/4"	4599 25	3/16" X 3/4"	2736 25	3/16" X 1"
4601 25	3/16" X 1-1/4"	4602 25	3/16" X 1-1/2"	2737 25	3/16" X 2"
2731 25	5/32" X 1-1/2"	4591 25	5/32" X 3/4"	2733 25	5/32" X 1"
4593 25	5/32" X 1-1/4"	2736 25	5/32" X 1-1/2"		



R-390 Nylon Wire Terminals

Royal		7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com		R-390 Nylon Wire Terminals Not Actual Size 1100 Total Pieces			
		23001 50	23003 50	23004 50	23005 50	23014 50	
23053	50	23054 50	23055 50	23056 50	23057 50	23064 50	
23102	50	23103 50	23104 50	23105 50	23106 50	23114 50	
23071	50	23074 50	23018 50	23068 50	23118 50		

R-391 Nylon Wire Terminals

Royal		7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com		R-391 Nylon Wire Terminals Not Actual Size 1025 Total Pieces			
23001	50	23004 50		23018 50	23014 50		
23060	50	23051 50	23054 50	23055 50	23063 50	23064 50	
					23106 50	23114 50	
18559	50	23079 50	23081 50	23074 50	23071 50	23222 25	



R-404 Cap Plugs

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com		R-404 Cap Plugs Not Actual Size 220 Total Pieces			
T-1 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-1'.	T-2 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-2'.	T-2 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-2'.	T-3X 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-3X'.	T-3 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-3'.	T-4X 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-4X'.
Plug 1/8" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-1'.	Cap 1/8" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-2'.	Plug 3/16" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-2'.	Cap 3/16" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-3X'.	Plug 1/4" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-3'.	Cap 1/4" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-4X'.
T-4 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-4'.	T-5 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-5'.	T-5 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-5'.	T-6X 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-6X'.	T-6 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-6'.	T-7 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-7'.
Plug 5/16" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-4'.	Cap 5/16" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-5'.	Plug 3/8" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-5'.	Cap 3/8" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-6X'.	Plug 3/8" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-6'.	Cap 3/8" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-7'.
T-8 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-8'.	T-9X 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-9X'.	T-10 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-10'.	T-11X 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-11X'.	T-12X 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-12X'.	T-13X 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-13X'.
Plug 1/2" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-8'.	Cap 1/2" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-9X'.	Plug 5/8" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-10'.	Cap 5/8" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-11X'.	Plug 3/4" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-12X'.	Cap 3/4" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-13X'.
T-14X 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-14X'.	T-15X 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-15X'.			T-17S 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-17S'.	T-18 10 A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-18'.
Plug 1" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-14X'.	Cap 1" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-15X'.			Plug 1 1/4" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-17S'.	Cap 1 1/4" Tube O.D. A cap plug with a flat top and a flared base, labeled 'CAP PLUG' and 'T-18'.

R-405 Clevis Pins

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com		R-405 Clevis Pin Not Actual Size 100 Total Pieces			
2102 5 A clevis pin with a 3/16" body and 5/8" ends.	2106 5 A clevis pin with a 1/4" body and 1-1/4" ends.	2121 5 A clevis pin with a 5/16" body and 1-1/8" ends.	2111 5 A clevis pin with a 5/16" body and 2" ends.		2115 5 A clevis pin with a 3/8" body and 3" ends.
3/16" X 5/8" A clevis pin with a 3/16" body and 5/8" ends.	1/4" X 1-1/4" A clevis pin with a 1/4" body and 1-1/4" ends.	5/16" X 1-1/8" A clevis pin with a 5/16" body and 1-1/8" ends.	5/16" X 2" A clevis pin with a 5/16" body and 2" ends.		3/8" X 3" A clevis pin with a 3/8" body and 3" ends.
2103 5 A clevis pin with a 3/16" body and 1-1/2" ends.	2107 5 A clevis pin with a 1/4" body and 1-3/8" ends.	2122 5 A clevis pin with a 5/16" body and 1-1/4" ends.	2112 5 A clevis pin with a 3/8" body and 1" ends.		2126 5 A clevis pin with a 1/2" body and 1-3/4" ends.
3/16" X 1-1/2" A clevis pin with a 3/16" body and 1-1/2" ends.	1/4" X 1-3/8" A clevis pin with a 1/4" body and 1-3/8" ends.	5/16" X 1-1/4" A clevis pin with a 5/16" body and 1-1/4" ends.	3/8" X 1" A clevis pin with a 3/8" body and 1" ends.		1/2" X 1-3/4" A clevis pin with a 1/2" body and 1-3/4" ends.
2104 5 A clevis pin with a 1/4" body and 3/4" ends.	2108 5 A clevis pin with a 1/4" body and 1-3/4" ends.	2110 5 A clevis pin with a 5/16" body and 1-1/2" ends.	2113 5 A clevis pin with a 3/8" body and 1-1/4" ends.		2116 5 A clevis pin with a 1/2" body and 2" ends.
1/4" X 3/4" A clevis pin with a 1/4" body and 3/4" ends.	1/4" X 1-3/4" A clevis pin with a 1/4" body and 1-3/4" ends.	5/16" X 1-1/2" A clevis pin with a 5/16" body and 1-1/2" ends.	3/8" X 1-1/4" A clevis pin with a 3/8" body and 1-1/4" ends.		1/2" X 2" A clevis pin with a 1/2" body and 2" ends.
2120 5 A clevis pin with a 1/4" body and 1" ends.	2109 5 A clevis pin with a 1/4" body and 2" ends.	2123 5 A clevis pin with a 5/16" body and 1-3/4" ends.	2114 5 A clevis pin with a 3/8" body and 1-5/8" ends.		2119 5 A clevis pin with a 5/8" body and 3" ends.
1/4" X 1" A clevis pin with a 1/4" body and 1" ends.	1/4" X 2" A clevis pin with a 1/4" body and 2" ends.	5/16" X 1-3/4" A clevis pin with a 5/16" body and 1-3/4" ends.	3/8" X 1-5/8" A clevis pin with a 3/8" body and 1-5/8" ends.		5/8" X 3" A clevis pin with a 5/8" body and 3" ends.

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R-406 Speed Nuts

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com			R-406 Speed Nuts Not Actual Size 1 Box of Each		
A1903 A1903	A2089 A2089	A2092 A2092	A2099 A2099	A2103 A2103	A2105 A2105
Flat Nut 1/4-20	Flat Nut 6-32	Flat Nut 10-24	Flat Nut 1/8"	Flat Nut 3/16"	Flat Nut 1/4"
A2293 A2293	A2346 A2346	A2422 A2422	A5170 A5170	A5197 A5197	A5586 A5586
U-Nut 1/4-20	U-Nut #8	U-Nut #10	J-Cage Nut 3/8-16	U-Nut 10-24	J-Cage Nut 1/4-20
A5889 A5889	A9879 A9879	A9880 A9880	A10064 A10064	A10065 A10065	A10066 A10066
J-Cage Nut 5/16-18	U-Nut #8	U-Nut #8	U-Nut #6	U-Nut #8	U-Nut #10
A10067 A10067	A10666 A10666	A11292 A11292	A11429 A11429		
U-Nut #14	U-Nut #8	U-Nut #8	U-Nut #10		

R-407 Cotter Pins

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com			R-407 Cotter Pins Not Actual Size 425 Total Pieces		
38229 38229	25	38230 38230	25	38231 38231	25
Cotter Pin 1/8" X 1"		Cotter Pin 1/8" X 1-1/4"		Cotter Pin 1/8" X 1-1/2"	
38237 38237	25	38238 38238	25	38239 38239	25
Cotter Pin 5/32" X 1"		Cotter Pin 5/32" X 1-1/4"		Cotter Pin 5/32" X 1-1/2"	
38246-1 38246-1	25	38248 38248	25	38250 38250	25
Cotter Pin 3/16" X 1-1/4"		Cotter Pin 3/16" X 1-1/2"		Cotter Pin 3/16" X 2"	
38260 38260	25	38262 38262	25	38263 38263	25
Cotter Pin 1/4" X 2"		Cotter Pin 1/4" X 2-1/2"		Cotter Pin 1/4" X 3"	



R-410 Automotive Fuses

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com			R-410 Automotive Fuses Not Actual Size 475 Total Pieces		
8500 25 	8501 25 	8502 25 	8503 25 	8504 25 	8505 25
ATO-3	ATO-4	ATO-5	ATO-7 1/2	ATO-10	ATO-15
8506 25 	8507 25 	8508 25 			
ATO-20	ATO-25	ATO-30			
MIN 2 25 	MIN 3 25 	MIN 4 25 	MIN 5 25 	MIN 7.5 25 	MIN 10 25
Brown- Grey	Violet	Pink	Brown	Purple	Red
MIN 15 25 	MIN 20 25 	MIN 25 25 	MIN 30 25 		
Blue	Yellow	Natural	Green		

R-415 Heat Shrink Terminals

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com			R-415 Heat Shrink Connectors Not Actual Size 345 Total Pieces		
23003-ST 15 	23004-ST 15 	23005-ST 15 	23053-ST 15 	23054-ST 15 	23055-ST 15
Ring Terminal 22-18, #8 Stud	Ring Terminal 22-18, #10 Stud	Ring Terminal 22-18, 1/4" Stud	Ring Terminal 16-14, #8 Stud	Ring Terminal 16-14, #10 Stud	Ring Terminal 16-14, 1/4" Stud
23056-ST 15 	23057-ST 15 	23100-ST 15 	23102-ST 15 	23103-ST 15 	23104-ST 15
Ring Terminal 16-14, 5/16" Stud	Ring Terminal 16-14, 3/8" Stud	Ring Terminal 12-10, #8 Stud	Ring Terminal 12-10, #10 Stud	Ring Terminal 12-10, 1/4" Stud	Ring Terminal 12-10, 5/16" Stud
23105-ST 15 	23106-ST 15 	23014-ST 15 	23064-ST 15 	23114-ST 15 	
Ring Terminal 12-10, 3/8" Stud	Ring Terminal 12-10, 1/2" Stud	Butt Connector 22-18	Butt Connector 16-14	Butt Connector 12-10	
23079-ST 15 	23081-ST 15 	23078-ST 15 	23076-ST 15 	23128-ST 15 	23126-ST 15
Male Snap Plug 16-14	Male Snap Plug 16-14	Fully Insulated Female Q.S. 16-14, .250 Tab	Fully Insulated Male Q.S. 16-14, .250 Tab	Fully Insulated Female Q.S. 12-10, .250 Tab	Fully Insulated Male Q.S. 12-10, .250 Tab

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R-416 Heat Shrink With Sealant

Royal Supply Company, Inc.	7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com	R-416 Heat Shrink W/ Sealant Not Actual Size 24 Total Pieces
	9060  Black 3/8"	4
	9060R  Red 3/8"	4
	9061  Black 3/4"	4
	9061R  Red 3/4"	4
	9062  Black 1"	4
	9062R  Red 1"	4

R-420 Loom Clamps

Royal Supply Company, Inc.	7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com	R-420 Loom Clamps Heavy Duty Not Actual Size 100 Total Pieces
32581  1/4" Heavy Duty 3/8" Bolt, 3/4" Wide	32584  1/2" Heavy Duty 3/8" Bolt, 3/4" Wide	32587  7/8" Heavy Duty 3/8" Bolt, 3/4" Wide
32582  5/16" Heavy Duty 3/8" Bolt, 3/4" Wide	32585  5/8" Heavy Duty 3/8" Bolt, 3/4" Wide	32589  1-1/4" Heavy Duty 3/8" Bolt, 3/4" Wide
32583  3/8" Heavy Duty 3/8" Bolt, 3/4" Wide	32586  3/4" Heavy Duty 3/8" Bolt, 3/4" Wide	32588  1" Heavy Duty 3/8" Bolt, 3/4" Wide
		32590  1-1/2" Heavy Duty 3/8" Bolt, 3/4" Wide



R-421 Loom Clamps

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com		R-421 Loom Clamps Not Actual Size 70 Total Pieces	
32601 10		32602 10	
1/4" Light Duty 1/4" Bolt 1/2" Wide		5/16" Light Duty 1/4" Bolt 1/2" Wide	
32603 10		32604 10	
3/8" Light Duty 1/4" Bolt 1/2" Wide		1/2" Light Duty 1/4" Bolt 1/2" Wide	
32605 10		32606 10	
5/8" Light Duty 1/4" Bolt 1/2" Wide		3/4" Light Duty 1/4" Bolt 1/2" Wide	
32607 10			
1" Light Duty 1/4" Bolt 1/2" Wide			

R-422 Metric Machine Screws

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com		R-422 Metric Machine Screws Not Actual Size 1885 Total Pieces			
42400 100		43601 100		42401 50	
Hex Nut 4 mm		Phil Pan Head 4 mm X 14 mm		Hex Nut 5 mm	
43619 50		42402-1 100		43633 50	
Phil Pan Head 5 mm X 16 mm		Hex Nut 6 mm		Phil Pan Head 6 mm X 16 mm	
42460 100		43602 100		42461 100	
Washer 4 mm		Phil Pan Head 4 mm X 16 mm		Washer 5 mm	
43621 10		42462 100		43634 50	
Phil Pan Head 5 mm X 20 mm		Washer 6 mm		Phil Pan Head 6 mm X 20 mm	
42450 100		43603 100		42451 100	
Lock Washer 4 mm		Phil Pan Head 4 mm X 18 mm		Lock Washer 5 mm	
43622 100		42452 100		43635 50	
Phil Pan Head 5 mm X 25 mm		Lock Washer 6 mm		Phil Pan Head 6 mm X 25 mm	
43600 100		43604-30 100		43618 50	
Phil Pan Head 4 mm X 10 mm		Phil Pan Head 4 mm X 30 mm		Phil Pan Head 5 mm X 12 mm	
43623 50		43631 100		43636 25	
Phil Pan Head 5 mm X 30 mm		Phil Pan Head 6 mm X 10 mm		Phil Pan Head 6 mm X 30 mm	

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R-429 Nylon Lock Nuts

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com		R-429 Nylon Lock Nuts Not Actual Size 110 Total Pieces					
34272 100	34273 100	34274 50	34275 50	34276 25	34277 10		
USS Nylock 1/4-20	USS Nylock 5/16-18	USS Nylock 3/8-16	USS Nylock 7/16-14	USS Nylock 1/2-13	USS Nylock 9/16-12		
34278 10	34279 10						
USS Nylock 5/8-11	USS Nylock 3/4-10						
34282 100	34283 100	34284 50	34285 50	34286 25	34287 10		
SAE Nylock 1/4-28	SAE Nylock 5/16-24	SAE Nylock 3/8-24	SAE Nylock 7/16-20	SAE Nylock 1/2-20	SAE Nylock 9/16-18		
34288 10	34289 10						
SAE Nylock 5/8-18	SAE Nylock 3/4-16						

R-430 Nylon Terminals

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com		R-430 Nylon Terminals Not Actual Size 1175 Total Pieces					
23014 50	23004 50	23026 50	23028 50	23064 50	23051 50		
Red Butt 22-18 Wire	Red Ring 22-18 Wire #10 Stud	Red Full Insulated Male Quick Slide 22-18 Wire .250 Tab	Red Full Insulated Female Quick Slide 22-18 Wire .250 Tab	Blue Butt 16-14 Wire	Blue Ring 16-14 Wire #6 Stud		
23054 50	23055 50	23056 50	23068 50	23076 50	23078 50		
Blue Ring 16-14 Wire #10 Stud	Blue Ring 16-14 Wire 1/4" Stud	Blue Ring 16-14 Wire 5/16" Stud	Blue Block Spade 16-14 Wire #10 Stud	Blue Full Insulated Male Quick Slide 16-14 Wire .250 Tab	Blue Full Insulated Female Quick Slide 16-14 Wire .250 Tab		
23073 50	23081 50	23079 50	23114 50	23128 50	23126 50		
Blue Female Q.S. 16-14 Wire .187 Tab	Blue Female Snap Plug 16-14 Wire .156 Tab	Blue Male Snap Plug 16-14 Wire .156 Tab	Yellow Butt 12-10 Wire	Yellow Full Insulated Female Quick Slide 12-10 Wire .250 Tab	Yellow Full Insulated Male Quick Slide 12-10 Wire .250 Tab		
23118 50	23102 50	23103 50	23104 50	23105 50	23226 25		
Yellow Block Spade 12-10 Wire #10 Stud	Yellow Ring 12-10 Wire #10 Stud	Yellow Ring 12-10 Wire 1/4" Stud	Yellow Ring 12-10 Wire 5/16" Stud	Yellow Ring 12-10 Wire 3/8" Stud	Blue Scotch Lock With Sealant		



R-432 Phillips Pan Head MS

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com			R-432 Phillips Pan Head Machine Screw Not Actual Size 2350 Total Pieces		
31242 100	31244 100	31245 100	31255 100	51320 100	51321 100
Hex Nut 4-40 USS	Hex Nut 6-32 USS	Hex Nut 8-32 USS	Hex Nut 10-32 USS	Lock Washer #4	Lock Washer #6
51322 100	51323 100	51427 100	51428 100	51429 100	51430 100
Lock Washer #8	Lock Washer #10	Flat Washer #4	Flat Washer #6	Flat Washer #8	Flat Washer #10
31601 100	31604 100	31604-3/4 100	31614 100	31615 100	31616 100
Phil Pan Head 4-40 X 1/4"	Phil Pan Head 4-40 X 1/2"	Phil Pan Head 4-40 X 3/4"	Phil Pan Head 6-32 X 1/2"	Phil Pan Head 6-32 X 3/4"	Phil Pan Head 6-32 X 1"
31623 100	31624 100	31625 100	31642 100	31644 100	31646 50
Phil Pan Head 8-32 X 1/2"	Phil Pan Head 8-32 X 3/4"	Phil Pan Head 8-32 X 1"	Phil Pan Head 10-32 X 1/2"	Phil Pan Head 10-32 X 1"	Phil Pan Head 10-32 X 1-1/2"

R-433 Phillips Pan Head Tek Screws

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com		R-433 Phillips Pan Head Tek Screws Not Actual Size 1200 Total Pieces	
33854 100	33854-1 100	33854-2 100	33855 100
#6 X 1/2"	#6 X 3/4"	#6 X 1"	#8 X 1/2"
33853 100	33856 100	33856-1 100	33857 100
#8 X 5/8"	#8 X 3/4"	#8 X 1"	#8 X 1-1/2"
33859 100	33860 100	33861 100	33862 100
#10 X 1/2"	#10 X 5/8"	#10 X 3/4"	#10 X 1"

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R-435 Wire Ties - Black

	7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com	R-435 Wire Ties - Black Not Actual Size 500 Total Pieces
	8013 4" Length 18#	100
	8015 5.70" Length 18#	100
	8016 7.10" Length 50#	100
	8017 11.10" Length 50#	100
	8018 14.19" Length 50#	50
	8024 15" Length 120#	50

R-445 Weather Pack Terminals

	7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com	R-445 Weather Pack Terminals Not Actual Size 1 box of Each Part and 1 Ea of Tools
	A15951 Double cavity for male terminal. Mates w/ A15952	
	A15953 Triple cavity for male terminal. Mates with #A15954	
	A18145 4 cavity flat male tower. Mates with #A18146	
	A14150 20-18 Gauge Mates with #A14151	
	A14152 Green silicone cable seal. Use w/ #A14150, A14151, A15937 & A15948	
	A15948 16-14 Gauge Mates with #A15947	
	A15937 16-14 Gauge Mates with #A15948	
	A18326 Grey Silicone. Use with 14 Gauge GPT & Cross-Link Polyethylene Primary Wire	



R-538 Multi Link Terminals

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com		R-538 Multi-Link Terminals Not Actual Size 275 Total Pieces			
	ML116-08 10	ML116-10 10	ML114-08 10	ML114-10 10	ML114-14 10
	20-18 Wire Ring Terminal #8 Ring	20-18 Wire Ring Terminal #10 Ring	16-14 Wire Ring Terminal #8 Ring	16-14 Wire Ring Terminal #10 Ring	16-14 Wire Ring Terminal 1/4" Ring
ML110-10 10	ML110-14 10	ML110-38 10	ML110-12 10	ML316S-06 10	ML316S-10 10
12-10 Wire Ring Terminal #10 Ring	12-10 Wire Ring Terminal 1/4" Ring	12-10 Wire Ring Terminal 3/8" Ring	12-10 Wire Ring Terminal 1/2" Ring	20-18 Wire Block Spade #6 Stud	20-18 Wire Block Spade #10 Stud
ML314S-08 10	ML314S-10 10	ML310S-10 10	ML5-16 25	ML5-14 25	ML5-10 25
16-14 Wire Block Spade #8 Stud	16-14 Wire Block Spade #10 Stud	12-10 Wire Block Spade #10 Stud	20-18 Butt Connector	16-14 Butt Connector	12-10 Butt Connector
ML6-18-250M 10	ML6-18-250FF 10	ML6-14-250M 10	ML6-14-250FF 10	ML6-10-250M 10	ML6-10-250FF 10
20-18 Wire Male Quick Slide .250 Tab	20-18 Wire Female Insulated QS .250 Tab	16-14 Wire Male Quick Slide .250 Tab	16-14 Wire Female Insulated QS .250 Tab	12-10 Wire Male Quick Slide .250 Tab	12-10 Wire Female Insulated QS .250 Tab

R-540 Pop Rivets With Gun

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com		R-540 Pop Rivets Not Actual Size 1900 Total Pieces			
6003 100	6005 100	6007 100	6016 50	6017 50	
Dome Head 1/8" Dia. Alum. / Alum. Grip .063-.125	Dome Head 1/8" Dia. Alum. / Alum. Grip .188-.250	Dome Head 1/8" Dia. Alum. / Alum. Grip .251-.375	Dome Head 3/16" Dia Alum. / Alum. Grip .126-.250	Dome Head 3/16" Dia Alum. / Alum. Grip .251-.375	
6100 100	6102 100	6104 100	6109 50	6110 50	
Dome Head 1/8" Dia. Alum. / Steel Grip .063-.125	Dome Head 1/8" Dia. Alum. / Steel Grip .188-.250	Dome Head 1/8" Dia. Alum. / Steel Grip .251-.375	Dome Head 3/16" Dia Alum. / Steel Grip .126-.250	Dome Head 3/16" Dia Alum. / Steel Grip .251-.375	
6202 100	6204 100	6206 100	6212 50	6213 50	
Dome Head 1/8" Dia. Steel / Steel Grip .063-.125	Dome Head 1/8" Dia. Steel / Steel Grip .188-.250	Dome Head 1/8" Dia. Steel / Steel Grip .251-.375	Dome Head 3/16" Dia Steel / Steel Grip .126-.250	Dome Head 3/16" Dia Steel / Steel Grip .251-.375	
6375 100	6376 100	MGAS45 100	W4 200	W6 200	
Dome Head 1/8" Dia. Copper / Steel Grip .020-.125	Dome Head 1/8" Dia. Copper / Steel Grip .126-.250	Multi Grip 1/8" Dia. Alum / Steel Grip .000 -.335	1/8" Rivet Washer	3/16" Rivet Washer	

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R-570 DOT Push In Fittings

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com			R-570 Push-In D.O.T. Fittings Not Actual Size 66 Total Pieces		
20-017 3 	20-018 3 	20-019 3 	20-020 3 	20-021 3 	20-079 3
Push-In Tube Fittings Union 1/8" Tube	Push-In Tube Fittings Union 5/32" Tube	Push-In Tube Fittings Union 1/4" Tube	Push-In Tube Fittings Union 3/8" Tube	Push-In Tube Fittings Union 1/2" Tube	Push-In Tube Fittings Swivel Male Elbow 1/8" Tube 1/8" Pipe
20-081 3 	20-082 3 	20-048 3 	20-054 3 	20-055 3 	20-056 3
Push-In Tube Fittings Swivel Male Elbow 1/4" Tube 1/8" Pipe	Push-In Tube Fittings Swivel Male Elbow 1/4" Tube 1/4" Pipe	Push-In Tube Fittings Male Connector 1/8" Tube 1/8" Pipe	Push-In Tube Fittings Male Connector 1/4" Tube 1/8" Pipe	Push-In Tube Fittings Male Connector 1/4" Tube 1/4" Pipe	Push-In Tube Fittings Male Connector 1/4" Tube 3/8" Pipe
20-057 3 	20-058 3 	20-065 3 	20-066 3 	20-068 3 	20-069 3
Push-In Tube Fittings Male Connector 3/8" Tube 1/8" Pipe	Push-In Tube Fittings Male Connector 3/8" Tube 1/4" Pipe	Push-In Tube Fittings Male Elbow 1/8" Tube 1/8" Pipe	Push-In Tube Fittings Male Elbow 5/32" Tube 1/8" Pipe	Push-In Tube Fittings Male Elbow 1/4" Tube 1/8" Pipe	Push-In Tube Fittings Male Elbow 1/4" Tube 1/4" Pipe
20-070 3 	20-071 3 	20-072 3 	20-073 3 		
Push-In Tube Fittings Male Elbow 1/4" Tube 3/8" Pipe	Push-In Tube Fittings Male Elbow 3/8" Tube 1/8" Pipe	Push-In Tube Fittings Male Elbow 3/8" Tube 1/4" Pipe	Push-In Tube Fittings Male Elbow 3/8" Tube 3/8" Pipe		

R-580 Phillips Pan Head MS

7050 E. 54 th Place Commerce City, CO 80022 303-286-1704 Fax: 303-289-7731 www.Royal-Supply.com			R-580 Phillips Pan Head Machine Screws Not Actual Size 2200 Total Pieces		
31244 100 	31245 100 	31246 100 	31255 100 	51201 100 	31614 100
Hex Nut 6-32	Hex Nut 8-32	Hex Nut 10-24	Hex Nut 10-32	Hex Nut 1/4"-20	Phil Pan Head 6-32 X 1/2"
31615 100 	31616 100 	31623 100 	31624 100 	31625 100 	31626 50
Phil Pan Head 6-32 X 3/4"	Phil Pan Head 6-32 X 1"	Phil Pan Head 8-32 X 1/2"	Phil Pan Head 8-32 X 3/4"	Phil Pan Head 8-32 X 1"	Phil Pan Head 8-32 X 1-1/2"
31632 100 	31633 100 	31634 100 	31636 50 	31642 100 	31643 100
Phil Pan Head 10-24 X 1/2"	Phil Pan Head 10-24 X 3/4"	Phil Pan Head 10-24 X 1"	Phil Pan Head 10-24 X 1-1/2"	Phil Pan Head 10-32 X 1/2"	Phil Pan Head 10-32 X 3/4"
31644 100 	31646 50 	31650 100 	31652 100 	31653 100 	31654 50
Phil Pan Head 10-32 X 1"	Phil Pan Head 10-32 X 1-1/2"	Phil Pan Head 1/4-20 X 1/2"	Phil Pan Head 1/4-20 X 3/4"	Phil Pan Head 1/4-20 X 1"	Phil Pan Head 1/4-20 X 1-1/2"



R-704

Deutsch DT Series Connectors

Royal <small>Supply Company, Inc.</small>			R-704 Deutsch DT Series Connectors Not Actual Size 215 Total Pieces			
DT04-2P 2	DT04-3P 2	DT04-4P 2	DT04-6P 2	DT04-8P 2	DT-RT1 1	
Plug 2-Pin CAT# 102-8807	Plug 3-Pin CAT# 102-8808	Plug 4-Pin CAT# 102-8809	Plug 6-Pin CAT# 102-8810	Plug 8-Pin CAT# 102-8811	Removal Tool CAT# 147-6456	
DT06-2S 2	DT06-3S 2	DT06-4S 2	DT06-6S 2	DT06-8S 2	1010-009-0206 5	
Receptacle 2-Pin CAT# 102-8802	Receptacle 3-Pin CAT# 102-8803	Receptacle 4-Pin CAT# 102-8804	Receptacle 6-Pin CAT# 102-8805	Receptacle 8-Pin CAT# 102-8806	2-Pin Seal CAT# 102-8813	
W2P 5 Wedge Lock Plug 2-Pin CAT# 3E-3362	W3P 5 Wedge Lock Plug 3-Pin CAT# 3E-3368	W4P 5 Wedge Lock Plug 4-Pin CAT# 3E-3374	W6P 5 Wedge Lock Plug 6-Pin CAT# 3E-3380	W8P 5 Wedge Lock Plug 8-Pin CAT# 3E-3386	1010-002-0306 5	
W2S 5 Wedge Lock Receptacle 2-Pin CAT# 3E-3365	W3S 5 Wedge Lock Receptacle 3-Pin CAT# 3E-3371	W4S 5 Wedge Lock Receptacle 4-Pin CAT# 3E-3377	W6S 5 Wedge Lock Receptacle 6-Pin CAT# 3E-3383	W8S 5 Wedge Lock Receptacle 8-Pin CAT# 3E-3389	1010-016-0406 5	
DT04-12P 2	DT06-12S 2	W12P 5 Wedge Lock Plug 12-Pin CAT# 3E-5177	0460-202-16141 25 16-18 AWG Pin CAT# 8T-8737	0460-215-16141 25 14-16 AWG Pin CAT# 9W-0852	1010-017-0606 5	
Plug 12-Pin CAT# 102-8800	Receptacle 12-Pin CAT# 102-8801	W12S 5 Wedge Lock Receptacle 12-Pin CAT# 3E-5180	0462-201-16141 25 16-18 AWG Socket CAT# 8T-8730	0462-209-16141 25 14-16 AWG Socket CAT# 9W-0844	1010-007-0806 5	
					1010-020-1206 5	
					12-Pin Seal CAT# 102-8814	

R-786

Heat Shrink With Sealant

Royal <small>Supply Company, Inc.</small>			R-786 Heat Shrink With Sealant Not Actual Size 56 Total Pieces			
5658B Black 3/16"	5659B Black 1/4"	5660B Black 3/8"	5661B Black 1/2"	5662B Black 3/4"	9062 Black 1"	
8	8	4	4	2		
5658R Red 3/16"	5659R Red 1/4"	5660R Red 3/8"	5661R Red 1/2"	5662R Red 3/4"	9062/R Red 1"	
8	8	4	4	2		

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RS-510

Grade 5

Uss Assortment

40 Hole Bin

55001 1/4" Nut 200	51401 1/4" F.W. 200	51325 1/4" L.W. 200	60002 1/4" X 3/4" 25	60004 1/4" X 1" 25	60006 1/4" X 1-1/2" 25	60008 1/4" X 2" 25	60010 1/4" X 2-1/2" 25
55002 5/16" Nut 200	51402 5/16" F.W. 200	51326 5/16" L.W. 200	60029 5/16" X 1" 25	60031 5/16" X 1-1/2" 25	60033 5/16" X 2" 25	60035 5/16" X 2-1/2" 25	60037 5/16" X 3" 25
55003 3/8" Nut 200	51403 3/8" F.W. 200	51327 3/8" L.W. 200	60054 3/8" X 1" 25	60056 3/8" X 1-1/2" 25	60058 3/8" X 2" 15	60060 3/8" X 2-1/2" 15	60062 3/8" X 3" 15
55004 7/16" Nut 100	51404 7/16" F.W. 100	51328 7/16" L.W. 100	60080 7/16" X 3/4" 15	60081 7/16" X 1" 15	60083 7/16" X 1-1/2" 15	60085 7/16" X 2" 15	60087 7/16" X 2-1/2" 15
55005 1/2" Nut 50	51405 1/2" F.W. 50	51329 1/2" L.W. 50	60101 1/2" X 1" 15	60103 1/2" X 1-1/2" 15	60105 1/2" X 2" 15	60107 1/2" X 2-1/2" 10	60109 1/2" X 3" 10

RS-520

Grade 5

USS Assortment

72 Hole Bin

55001 1/4" Nut 200	55002 5/16" Nut 200	55003 3/8" Nut 200	55004 7/16" Nut 100	55005 1/2" Nut 50	55006 9/16" Nut 50	55006 5/8" Nut 25	
51325 1/4" L.W. 200	51326 5/16" L.W. 200	51327 3/8" L.W. 200	51328 7/16" L.W. 100	51329 1/2" L.W. 50	51330 9/16" L.W. 50	51331 5/8" L.W. 50	
51401 1/4" F.W. 200	51402 5/16" F.W. 200	51403 3/8" F.W. 200	51404 7/16" F.W. 100	51405 1/2" F.W. 50	51406 9/16" F.W. 50	51407 5/8" F.W. 50	
60000 1/4" X 1/2" 25	60027 5/16" X 3/4" 25	60052 3/8" X 3/4" 25	60081 7/16" X 1" 15	60101 1/2" X 1" 15	60130 9/16" X 1-1/2" 15	60152 5/8" X 1-1/2" 10	
60002 1/4" X 3/4" 25	60029 5/16" X 1" 25	60054 3/8" X 1" 25	60083 7/16" X 1-1/2" 15	60103 1/2" X 1-1/2" 15	60132 9/16" X 2" 15	60154 5/8" X 2" 10	
60004 1/4" X 1" 25	60031 5/16" X 1-1/2" 25	60056 3/8" X 1-1/2" 25	60085 7/16" X 2" 15	60105 1/2" X 2" 15	60134 9/16" X 2-1/2" 10	60156 5/8" X 2-1/2" 10	
60006 1/4" X 1-1/2" 25	60033 5/16" X 2" 25	60058 3/8" X 2" 25	60087 7/16" X 2-1/2" 15	60107 1/2" X 2-1/2" 10	60136 9/16" X 3" 10	60158 5/8" X 3" 10	
60008 1/4" X 2" 25	60035 5/16" X 2-1/2" 25	60060 3/8" X 2-1/2" 25	60089 7/16" X 3" 10	60109 1/2" X 3" 10		60160 5/8" X 3-1/2" 10	



RS-530

Grade 5

USS Assortment

72 Hole Bin

55001 1/4" Nut 200	55002 5/16" Nut 200	55003 3/8" Nut 200	55004 7/16" Nut 100	55005 1/2" Nut 50	55006 9/16" Nut 50	55006 5/8" Nut 25	55008 3/4" Nut 25
51325 1/4" L.W. 200	51326 5/16" L.W. 200	51327 3/8" L.W. 200	51328 7/16" L.W. 100	51329 1/2" L.W. 50	51330 9/16" L.W. 50	51331 5/8" L.W. 50	51332 3/4" L.W. 25
51401 1/4" F.W. 200	51402 5/16" F.W. 200	51403 3/8" F.W. 200	51404 7/16" F.W. 100	51405 1/2" F.W. 50	51406 9/16" F.W. 50	51407 5/8" F.W. 50	51408 3/4" F.W. 25
60000 1/4" X 1/2" 25	60027 5/16" X 3/4" 25	60052 3/8" X 3/4" 25	60081 7/16" X 1" 15	60101 1/2" X 1" 15	60130 9/16" X 1-1/2" 15	60152 5/8" X 1-1/2" 10	60177 3/4" X 2" 5
60002 1/4" X 3/4" 25	60029 5/16" X 1" 25	60054 3/8" X 1" 25	60083 7/16" X 1-1/2" 15	60103 1/2" X 1-1/2" 15	60132 9/16" X 2" 15	60154 5/8" X 2" 10	60179 3/4" X 2-1/2" 5
60004 1/4" X 1" 25	60031 5/16" X 1-1/2" 25	60056 3/8" X 1-1/2" 25	60085 7/16" X 2" 15	60105 1/2" X 2" 15	60134 9/16" X 2-1/2" 10	60156 5/8" X 2-1/2" 10	60181 3/4" X 3" 5
60006 1/4" X 1-1/2" 25	60033 5/16" X 2" 25	60058 3/8" X 2" 25	60087 7/16" X 2-1/2" 15	60107 1/2" X 2-1/2" 10	60136 9/16" X 3" 10	60158 5/8" X 3" 10	60183 3/4" X 3-1/2" 5
60008 1/4" X 2" 25	60035 5/16" X 2-1/2" 25	60060 3/8" X 2-1/2" 25	60089 7/16" X 3" 10	60109 1/2" X 3" 10		60160 5/8" X 3-1/2" 10	60185 3/4" X 4" 5
							60187 3/4" X 5" 5

RS-551

8.8

Metric Assortment

72 Hole Bin

42402-1 M6 Nut 100	42404-1 M8 Nut 100	42405-1 M10 Nut 100	42406 M12 Nut 50	42407 M14 Nut 50	42462 M6 F.W. 100	42464 M8 F.W. 100	42464 M10 F.W. 100
42452 M6 L.W. 100	42454 M8 L.W. 100	42455 M10 L.W. 100	42456 M12 L.W. 100	42457 M14 L.W. 50	42466 M12 F.W. 50	42467 M14 F.W. 50	
42026 6 X 10 25	42030 6 X 20 25	42034 6 X 30 25	42038 6 X 45 25	42039 6 X 50 25	42050 8 X 10 25	42054 8 X 20 25	42058 8 X 30 25
42061 8 X 40 25	42062 8 X 45 25	42064 8 X 55 25	42065 8 X 60 25	42076 10 X 20 15	42080 10 X 30 15	42084 10 X 45 15	42088 10 X 55 15
42089 10 X 70 15	42091 10 X 80 10	42092 10 X 85 10	42093 10 X 90 10	42099 12 X 20 15	42103 12 X 30 15	42104 12 X 35 15	42105 12 X 40 15
42106 12 X 45 15	42108 12 X 55 15	42109 12 X 60 15	42111 12 X 70 15	42112 12 X 75 15	42135 14 X 30 10	42136 14 X 35 10	42137 14 X 40 10
42139 14 X 50 10	42140 14 X 55 10	42141 14 X 60 10					



RS-810

Grade 8

USS Assortment

40 Hole Bin

56601 1/4" Nut 200	56765 1/4" F.W. 200	56725 1/4" L.W. 200	81000 1/4" X 1/2" 25	81001 1/4" X 3/4" 25	81001-1 1/4" X 7/8" 25	81002 1/4" X 1" 25	81004 1/4" X 1-1/2" 25
56602 5/16" Nut 200	56766 5/16" F.W. 200	56726 5/16" L.W. 100	81021 5/16" X 3/4" 25	81021-1 5/16" X 7/8" 25	81022 5/16" X 1" 25	81023 5/16" X 1-1/4" 25	81024 5/16" X 1-1/2" 25
56603 3/8" Nut 200	56767 3/8" F.W. 200	56727 3/8" L.W. 100	81042 3/8" X 1" 25	81043 3/8" X 1-1/4" 25	81044 3/8" X 1-1/2" 25	81046 3/8" X 2" 25	81048 3/8" X 2-1/2" 25
56604 7/16" Nut 100	56768 7/16" F.W. 100	56728 7/16" L.W. 100	81061 7/16" X 1" 25	81062 7/16" X 1-1/4" 25	81063 7/16" X 1-1/2" 25	81065 7/16" X 2" 15	81067 7/16" X 2-1/2" 15
56605 1/2" Nut 50	56769 1/2" F.W. 50	56729 1/2" L.W. 50	81080 1/2" X 1" 15	81082 1/2" X 1-1/2" 15	81084 1/2" X 2" 15	81086 1/2" X 2-1/2" 5	81087 1/2" X 3" 5

RS-830

Grade 8

USS Assortment

72 Hole Bin

56601 1/4" Nut 200	56602 5/16" Nut 200	56603 3/8" Nut 200	56604 7/16" Nut 100	56605 1/2" Nut 50	56606 9/16" Nut 50	56607 5/8" Nut 25	56608 3/4" Nut 25
56725 1/4" L.W. 100	56726 5/16" L.W. 100	56727 3/8" L.W. 100	56728 7/16" L.W. 100	56729 1/2" L.W. 100	56730 9/16" L.W. 50	56731 5/8" L.W. 50	56732 3/4" L.W. 25
56765 1/4" F.W. 200	56766 5/16" F.W. 200	56767 3/8" F.W. 200	56768 7/16" F.W. 100	56769 1/2" F.W. 50	56770 9/16" F.W. 50	56771 5/8" F.W. 25	56772 3/4" F.W. 25
81000 1/4" X 1/2" 25	81001 1/4" X 3/4" 25	81001-1 1/4" X 7/8" 25	81002 1/4" X 1" 25	81004 1/4" X 1-1/2" 25	81006 1/4" X 2" 25	81021 5/16" X 3/4" 25	81021-1 5/16" X 7/8" 25
81022 5/16" X 1" 25	81023 5/16" X 1-1/4" 25	81024 5/16" X 1-1/2" 25	81026 5/16" X 2" 25	81028 5/16" X 3" 25	81041 3/8" X 3/4" 25	81042 3/8" X 1" 25	81043 3/8" X 1-1/4" 25
81044 3/8" X 1-1/2" 25	81046 3/8" X 2" 15	81046 3/8" X 2-1/2" 15	81050 3/8" X 3" 15	81061 7/16" X 1" 25	81062 7/16" X 1-1/4" 25	81063 7/16" X 1-1/2" 25	81065 7/16" X 2" 15
81067 7/16" X 2-1/2" 15	81068 7/16" X 3" 5	81080 1/2" X 1" 15	81082 1/2" X 1-1/2" 15	81084 1/2" X 2" 15	81086 1/2" X 2-1/2" 5	81087 1/2" X 3" 5	81088 1/2" X 3-1/2" 5
81089 1/2" X 4" 5	81100 9/16" X 1-1/2" 5	81101 9/16" X 2" 5	81102 9/16" X 2-1/2" 5	81103 9/16" X 3" 5	81105 9/16" X 4: 5	81112 5/8" X 1-1/2" 5	81114 5/8" X 2" 5
81116 5/8" X 2-1/2" 5	81118 5/8" X 3" 5	81119 5/8" X 3-1/2" 5	81130 3/4" X 1-1/2" 4	81132 3/4" X 2" 4	81134 3/4" X 2-1/2" 4	81136 3/4" X 3" 4	81137 3/4" X 3-1/2" 4



RS-881

10.9

Metric Assortment

40 Hole Bin

42402-1 M6 Nut 50	42462 M6 F.W. 100	42452 M6 L.W. 100	46002 6 X 12 25	46006 6 X 20 25	46009 6 X 30 25	46012 6 X 45 15	46013 6 X 50 15
42404-1 M8 Nut 50	42464 M8 F.W. 100	42454 M8 L.W. 100	46052 8 X 16 25	46054 8 X 20 25	46057 8 X 30 25	46059 8 X 40 15	46060 8 X 45 15
42405-1 M10 Nut 50	42465 M10 F.W. 100	42455 M10 L.W. 100	46102 10 X 20 15	46105 10 X 30 15	46108 10 X 45 15	46112 10 X 65 15	46113 10 X 70 15
42406 M12 Nut 25	42466 M12 F.W. 50	42456 M12 L.W. 50	46152 12 X 20 15	46155 12 X 30 15	46156 12 X 35 15	46157 12 X 40 15	46160 12 X 55 15

RS-882

10.9

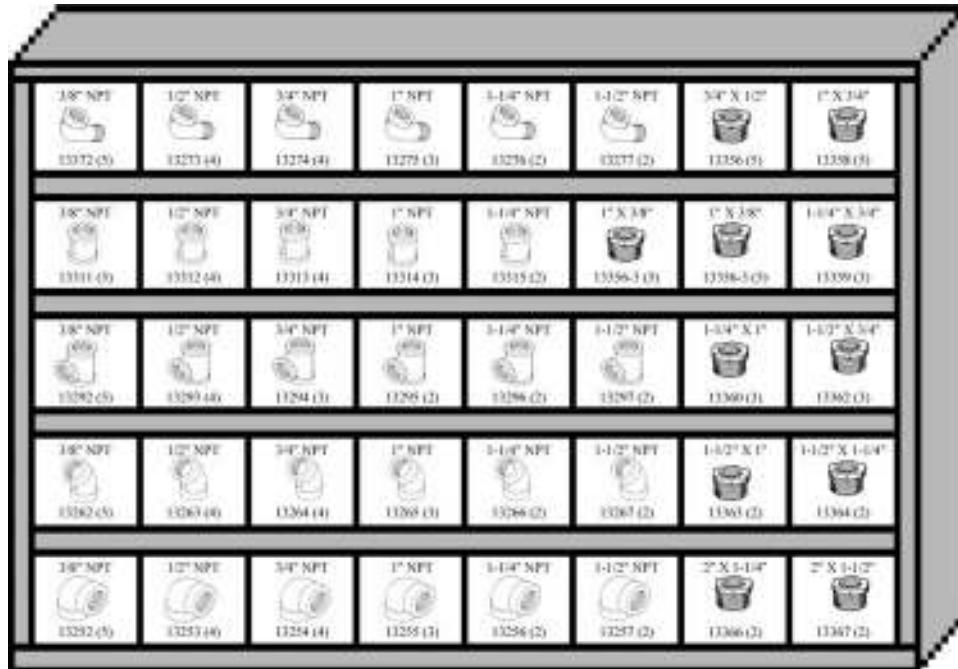
Metric Assortment

72 Hole Bin

46602 M6 Nut 50	46604 M8 Nut 50	46605 M10 Nut 50	46606 M12 Nut 25	46607 M14 Nut 25	46502 M6 F.W. 100	46504 M8 F.W. 100	46505 M10 F.W. 100
46552 M6 L.W. 100	46554 M8 L.W. 100	46555 M10 L.W. 100	46556 M12 L.W. 50	46557 M14 L.W. 25	46506 M12 F.W. 50	46507 M14 F.W. 25	
46002 6 X 12 25	46006 6 X 20 25	46009 6 X 30 25	46012 6 X 45 25	46013 6 X 50 25	46052 8 X 10 25	46054 8 X 20 25	46057 8 X 30 25
46059 8 X 40 15	46060 8 X 45 25	46062 8 X 55 25	46063 8 X 60 25	46102 10 X 20 15	46105 10 X 30 15	46108 10 X 45 15	46112 10 X 65 15
46113 10 X 70 15	46115 10 X 80 10			46152 12 X 20 15	46155 12 X 30 15	46156 12 X 35 15	46157 12 X 40 15
46158 12 X 45 15	16160 12 X 55 15	46161 12 X 60 15	46163 12 X 70 10		46203 14 X 30 5	46204 14 X 35 5	46205 14 X 40 5
46207 14 X 50 5	46209 14 X 60 5						

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R90095
Black Pipe Fittings
40 Hole Bin



R90096
Black Pipe Fittings
40 Hole Bin

